

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013373.D
 Acq On : 01 Oct 2019 17:45
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:56 AM

Quant Time: Oct 02 12:04:02 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	367011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150110	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	152584	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
50) Toluene-d8	10.32	98	641699	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	
62) 4-Bromofluorobenzene	12.62	95	220365	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	71942	50.680	ug/l	95
3) Chloromethane	2.21	50	113840	48.598	ug/l	99
4) Vinyl Chloride	2.35	62	162151	48.775	ug/l	98
5) Bromomethane	2.76	94	101732	49.808	ug/l	89
6) Chloroethane	2.92	64	91829	47.836	ug/l	98
7) Trichlorofluoromethane	3.25	101	76304	52.904	ug/l	98
8) Diethyl Ether	3.68	74	84552	50.649	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	160668	50.245	ug/l	99
10) Methyl Iodide	4.27	142	256233	49.618	ug/l	99
11) Tert butyl alcohol	5.15	59	76269	339.689	ug/l	95
12) 1,1-Dichloroethene	4.04	96	168786	49.959	ug/l	97
13) Acrolein	3.89	56	70950	255.816	ug/l	100
14) Allyl chloride	4.66	41	254194	50.860	ug/l	98
15) Acrylonitrile	5.37	53	196736	260.696	ug/l	98
16) Acetone	4.11	43	205043	244.106	ug/l	95
17) Carbon Disulfide	4.38	76	482406	51.183	ug/l	98
18) Methyl Acetate	4.66	43	92802	47.203	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	255014	51.285	ug/l	99
20) Methylene Chloride	4.92	84	176361	50.304	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	179642	49.930	ug/l	99
22) Diisopropyl ether	6.31	45	495555	51.343	ug/l	97
23) Vinyl Acetate	6.25	43	1549896	267.613	ug/l	98
24) 1,1-Dichloroethane	6.21	63	298156	50.717	ug/l	98
25) 2-Butanone	7.17	43	267280	248.676	ug/l	95
26) 2,2-Dichloropropane	7.17	77	176969	52.098	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	190740	50.647	ug/l	98
28) Bromochloromethane	7.51	49	115865	54.511	ug/l	95
29) Tetrahydrofuran	7.52	42	166772	266.119	ug/l	99
30) Chloroform	7.67	83	283543	49.187	ug/l	99
31) Cyclohexane	7.95	56	303851	48.465	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	228458	50.587	ug/l	100
36) 1,1-Dichloropropene	8.08	75	247055	51.076	ug/l	99
37) Ethyl Acetate	7.25	43	115987	54.318	ug/l	99
38) Carbon Tetrachloride	8.07	117	219170	52.307	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	329341	51.700	ug/l	99
40) Benzene	8.32	78	695042	50.760	ug/l	99
41) Methacrylonitrile	7.48	41	63602	49.413	ug/l	97
42) 1,2-Dichloroethane	8.40	62	180944	51.416	ug/l	99
43) Isopropyl Acetate	8.42	43	209904	52.243	ug/l	99
44) Trichloroethene	9.09	130	198204	51.403	ug/l	96
45) 1,2-Dichloropropane	9.37	63	167339	50.900	ug/l	100
46) Dibromomethane	9.46	93	85217	52.041	ug/l	98
47) Bromodichloromethane	9.64	83	209257	51.910	ug/l	95
48) Methyl methacrylate	9.43	41	98368	50.953	ug/l	97
49) 1,4-Dioxane	9.45	88	29487	1171.263	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	546694	258.977	ug/l	98
52) Toluene	10.38	92	450210	50.976	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	223315	53.259	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	268274	52.771	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	124463	50.951	ug/l	98
56) Ethyl methacrylate	10.65	69	177838	54.087	ug/l	96
57) 1,3-Dichloropropane	10.93	76	216809	51.054	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	370205	274.098	ug/l	99
59) 2-Hexanone	10.96	43	395765	270.483	ug/l	98
60) Dibromochloromethane	11.13	129	148507	53.141	ug/l	100
61) 1,2-Dibromoethane	11.23	107	123098	52.149	ug/l	100
64) Tetrachloroethene	10.86	164	172666	50.880	ug/l	99
65) Chlorobenzene	11.66	112	458494	50.172	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	162101	52.081	ug/l	100
67) Ethyl Benzene	11.73	91	858753	52.433	ug/l	100
68) m/p-Xylenes	11.84	106	648176	102.530	ug/l	99
69) o-Xylene	12.16	106	296966	50.806	ug/l	98
70) Styrene	12.18	104	525388	52.582	ug/l	99
71) Bromoform	12.35	173	91758	54.375	ug/l	98
73) Isopropylbenzene	12.46	105	811959	50.198	ug/l	98
74) N-amyl acetate	12.27	43	190719	55.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	141639	51.735	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	109049m	55.486	ug/l	
77) Bromobenzene	12.74	156	203247	52.330	ug/l	98
78) n-propylbenzene	12.80	91	992395	53.337	ug/l	100
79) 2-Chlorotoluene	12.89	91	542599	52.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	712660	53.039	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47214	50.995	ug/l	98
82) 4-Chlorotoluene	12.99	91	553080	51.091	ug/l	97
83) tert-Butylbenzene	13.21	119	623383	53.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	689186	51.595	ug/l	99
85) sec-Butylbenzene	13.38	105	837846	51.779	ug/l	98
86) p-Isopropyltoluene	13.49	119	786640	52.456	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	372033	50.914	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	383341	52.395	ug/l	99
89) n-Butylbenzene	13.82	91	706436	52.252	ug/l	99
90) Hexachloroethane	14.09	117	129239	52.164	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	338396	52.387	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22938	56.014	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	252518	54.472	ug/l	99
94) Hexachlorobutadiene	15.24	225	164483	54.621	ug/l	98
95) Naphthalene	15.36	128	444856	56.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	218424	53.966	ug/l	99

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

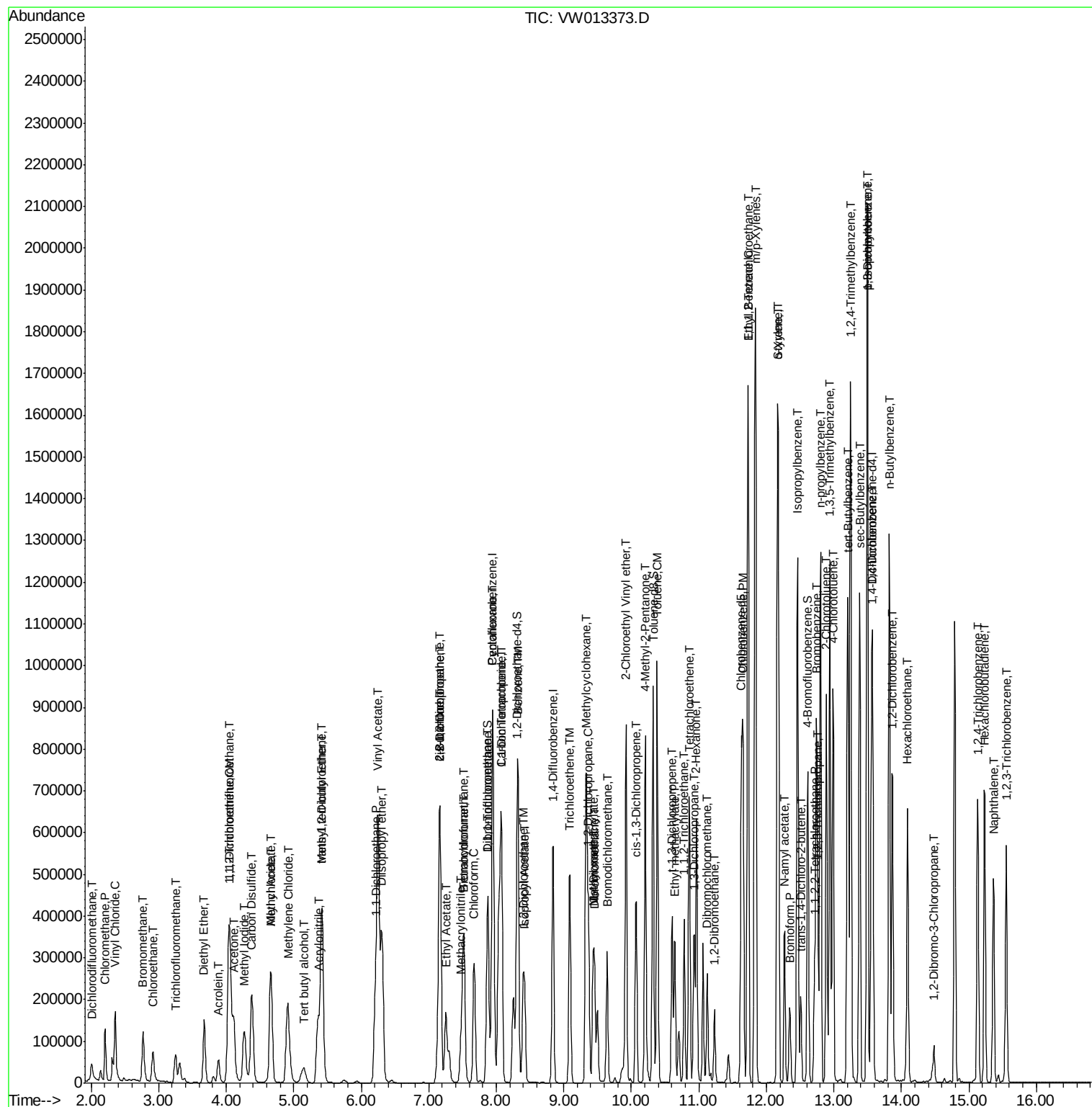
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Data File : VW013373.D
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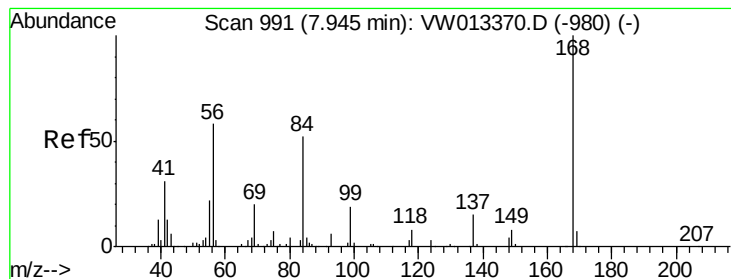
Instrument :
MSVOA_W
ClientSampled :
ICVW100119

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW100119

Tot Ion:168 Resp: 367011

Ion Ratio Lower Upper

168 100

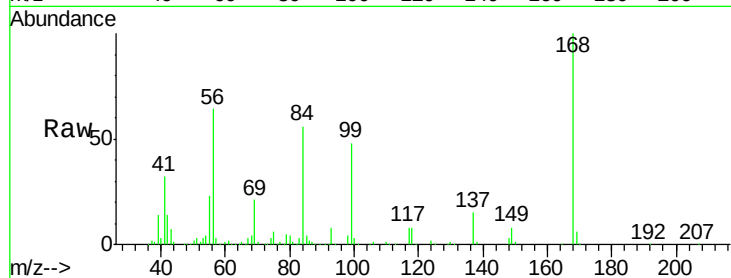
99 47.9 40.2 60.4

Manual Integrations

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10/7/2019 8:22:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

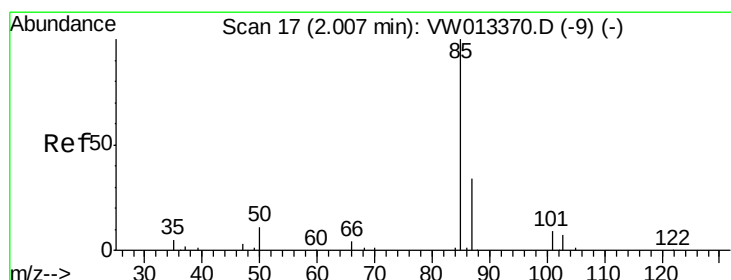
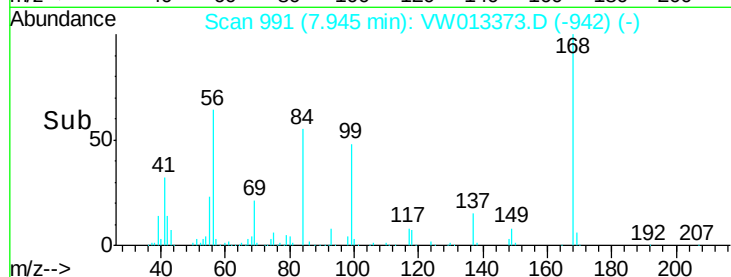
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 50.680 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013373.D

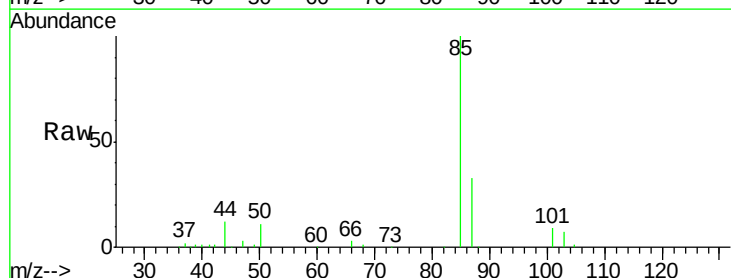
Acq: 01 Oct 2019 17:45

Tgt Ion: 85 Resp: 71942

Ion Ratio Lower Upper

85 100

87 32.7 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

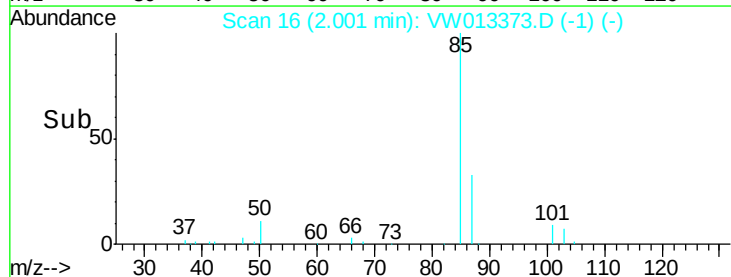
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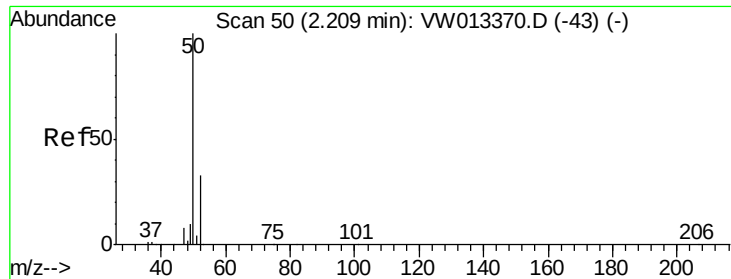
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 48.598 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVWV100119

Tot Ion: 50 Resp: 113840

Ion Ratio Lower Upper

50 100

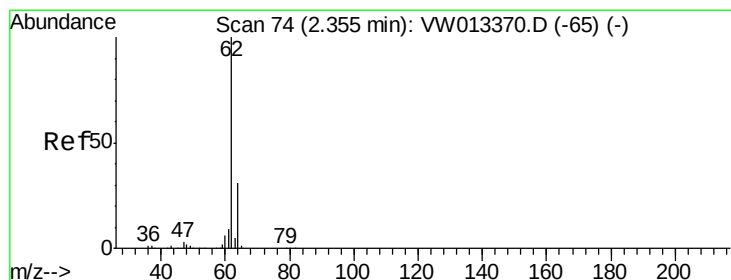
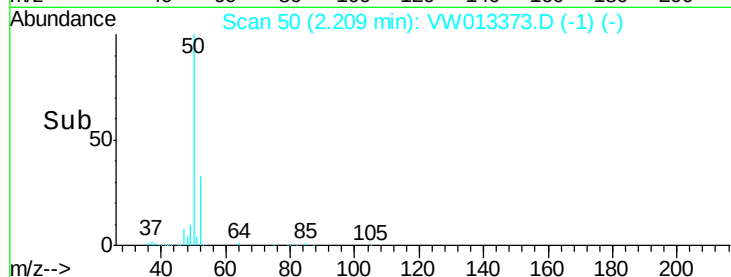
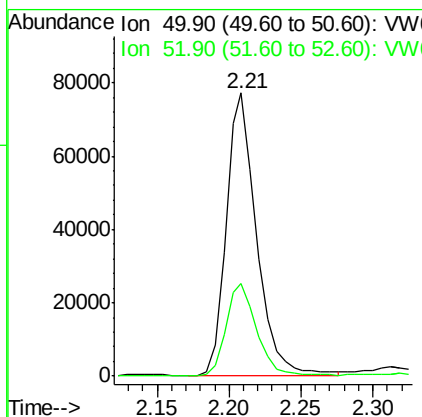
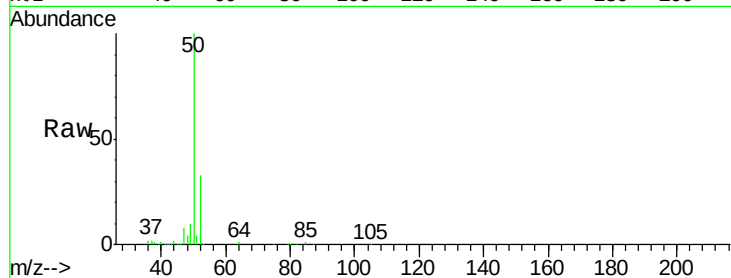
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.775 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013373.D

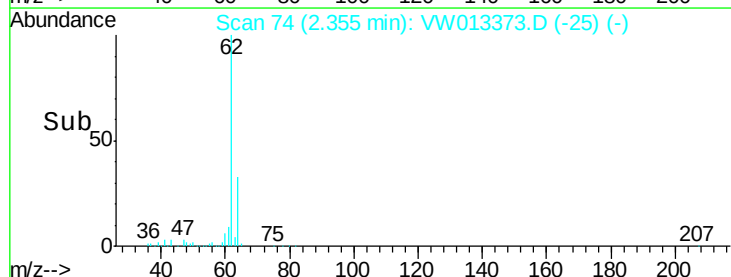
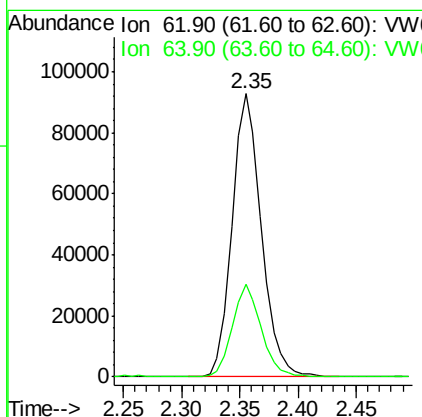
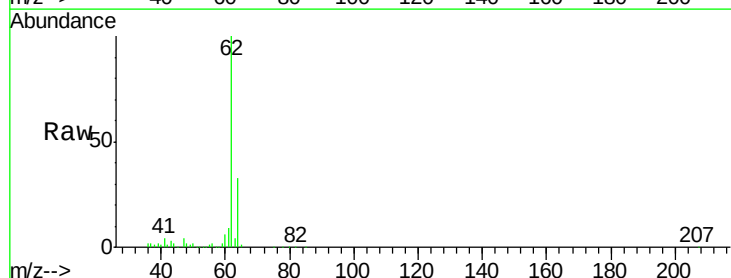
Acq: 01 Oct 2019 17:45

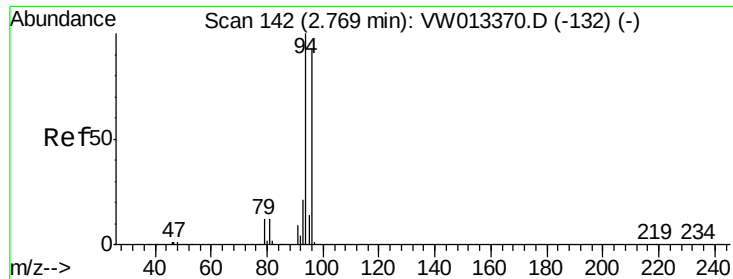
Tgt Ion: 62 Resp: 162151

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9





#5

Bromomethane

Concen: 49.808 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVWV100119

Tot Ion: 94 Resp: 101732

Ion Ratio Lower Upper

94 100

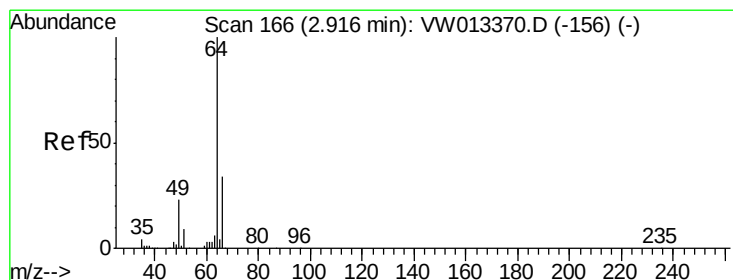
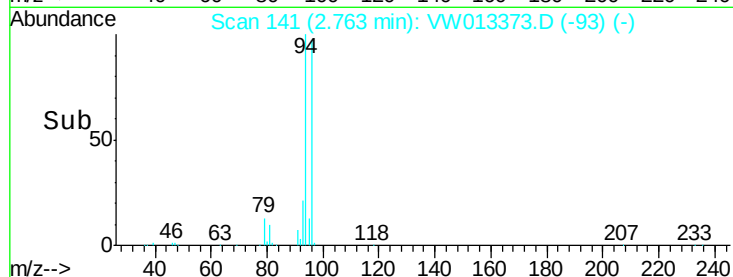
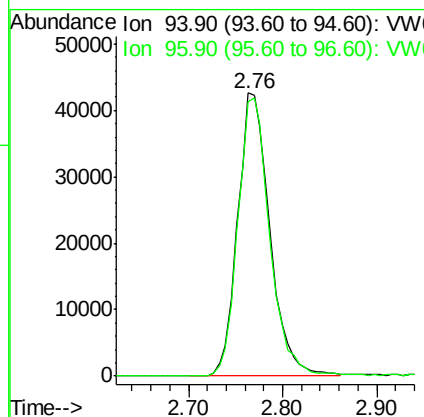
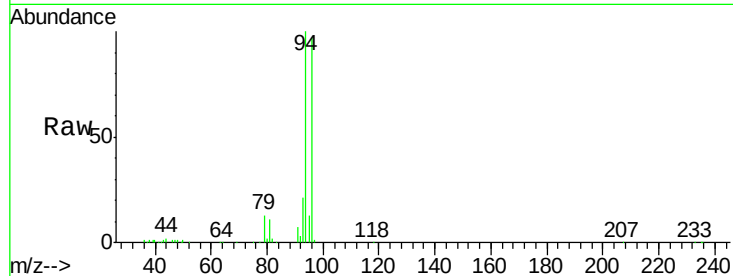
96 97.0 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 47.836 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013373.D

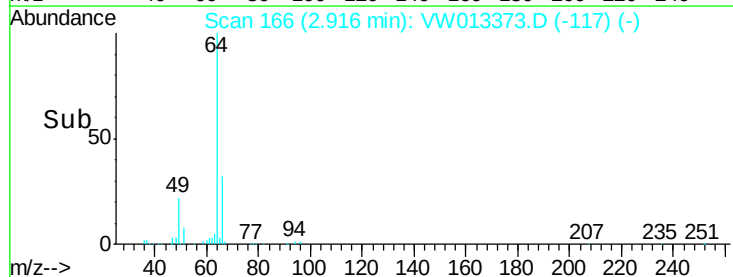
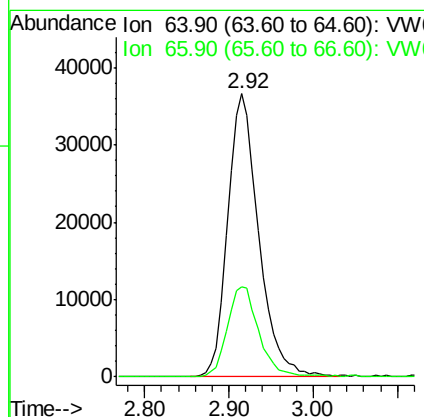
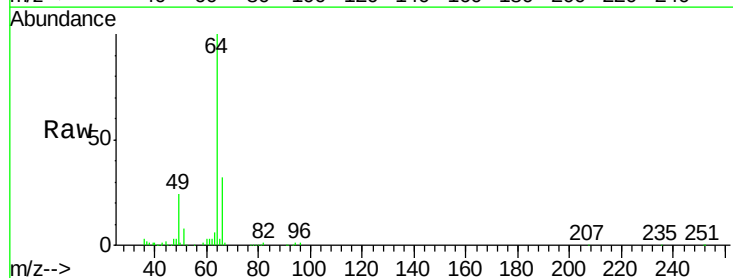
Acq: 01 Oct 2019 17:45

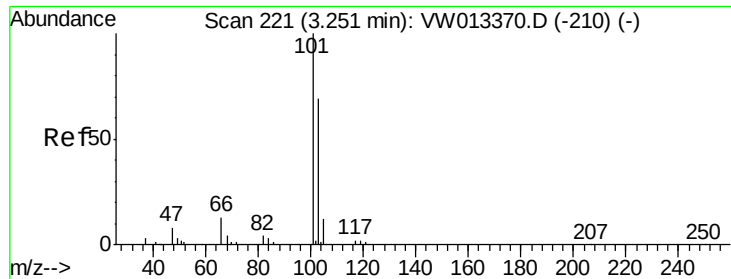
Tgt Ion: 64 Resp: 91829

Ion Ratio Lower Upper

64 100

66 31.9 26.6 39.8





#7

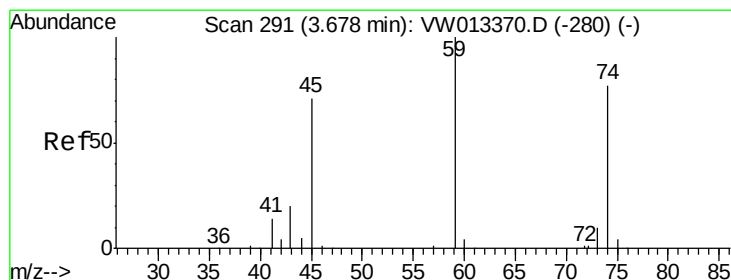
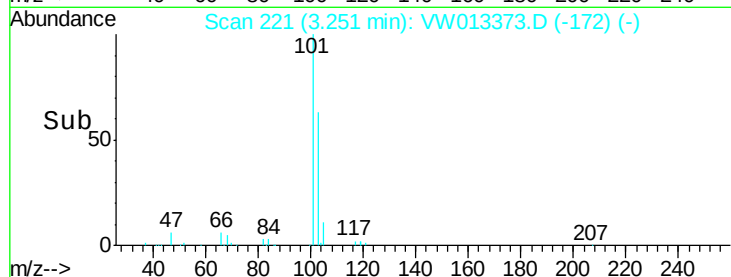
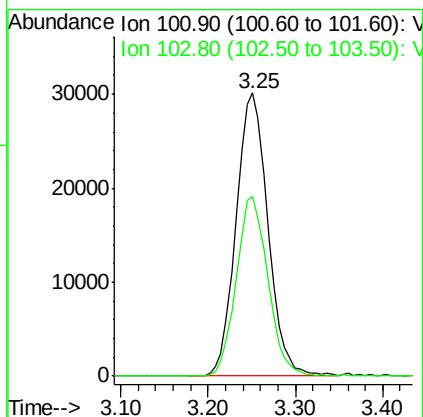
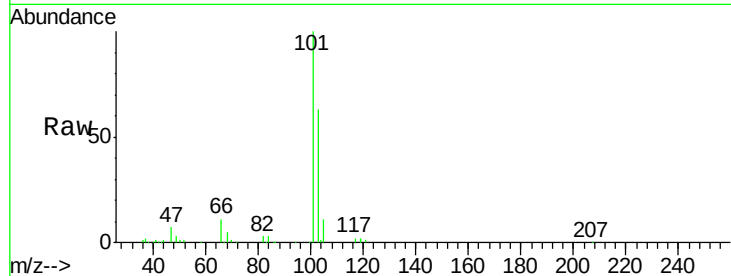
Trichlorofluoromethane
 Concen: 52.904 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	49.7	74.5

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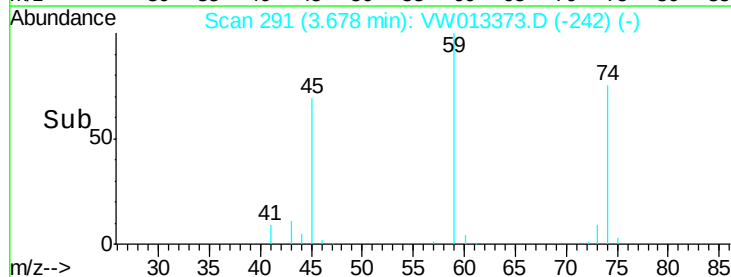
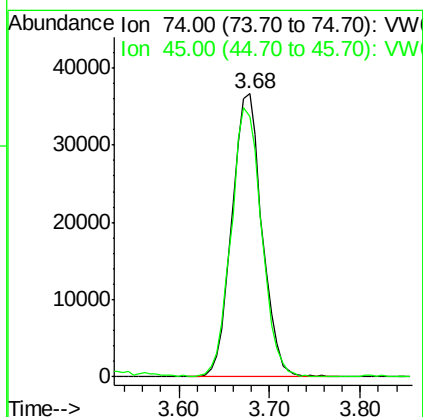
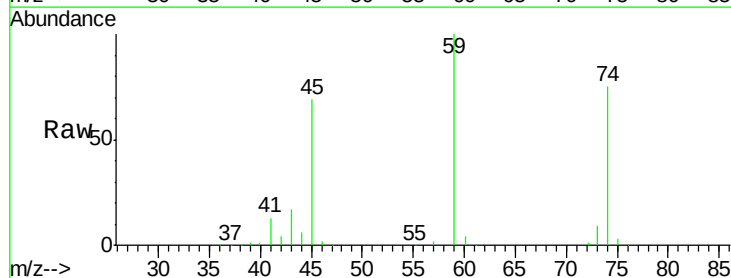
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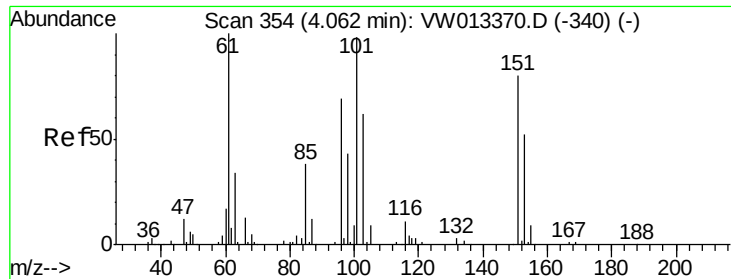


#8

Diethyl Ether
 Concen: 50.649 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.245 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

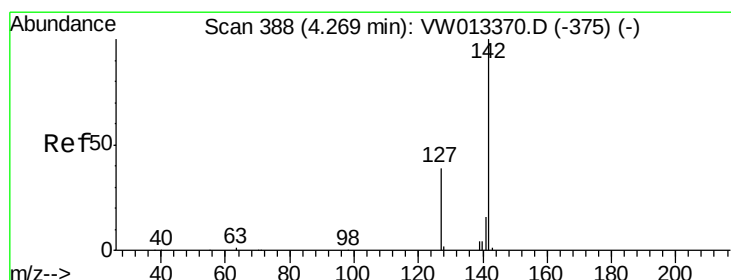
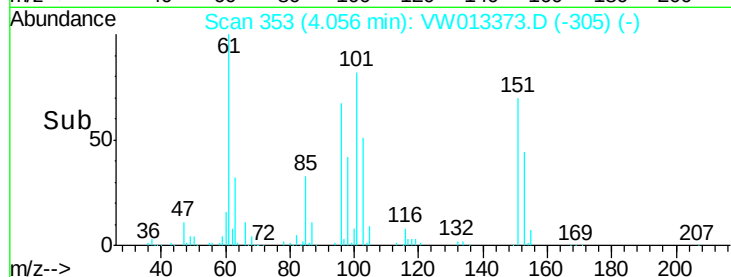
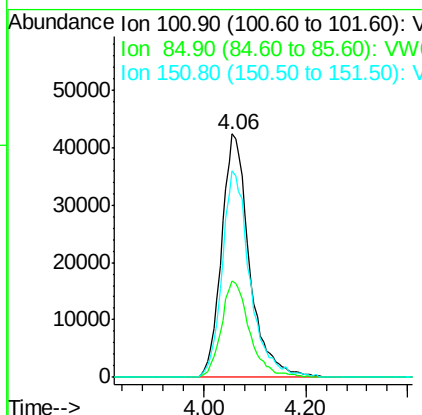
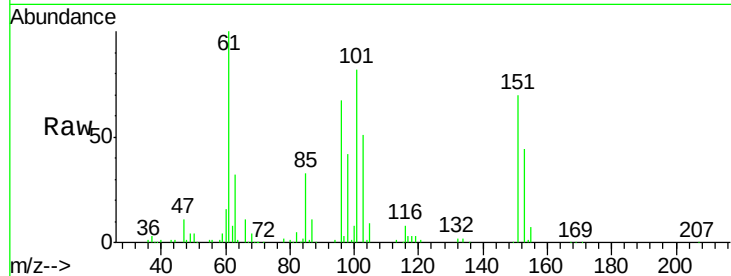
ClientSampleId :

ICVW100119

Tot Ion:	101	Resp:	160668
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.4	50.0
151	84.3	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 49.618 ug/l

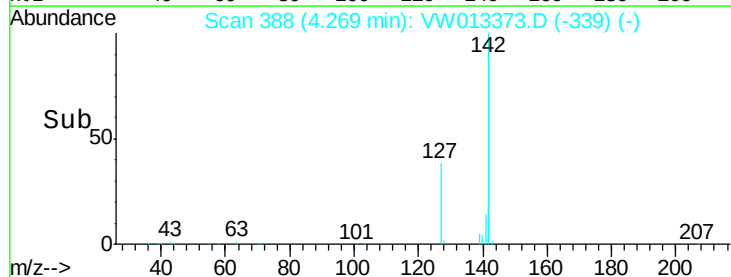
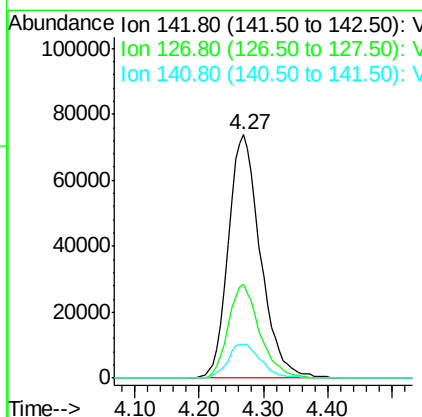
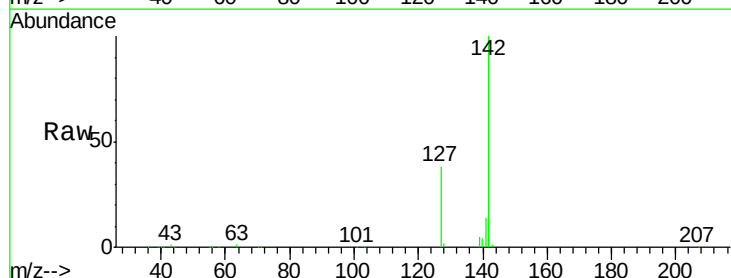
RT: 4.27 min Scan# 388

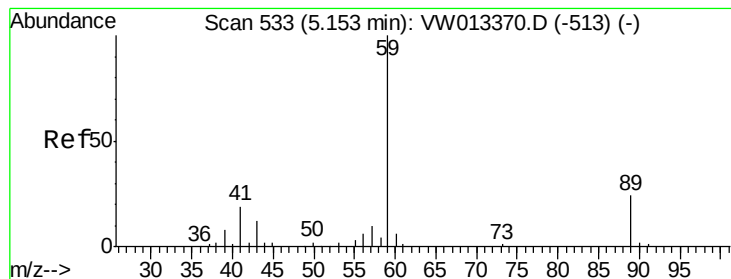
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	142	Resp:	256233
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.9	46.3
141	14.6	11.7	17.5





#11

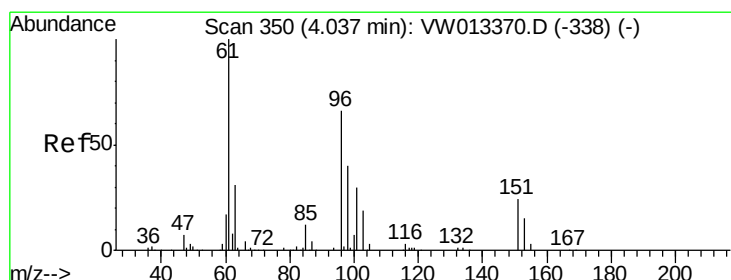
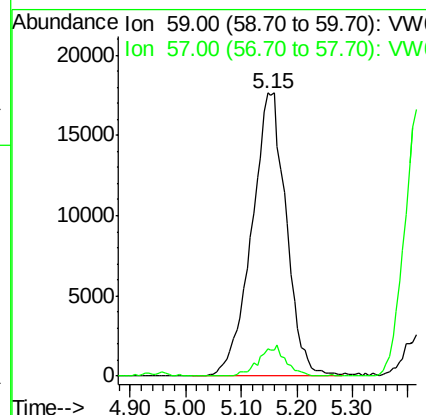
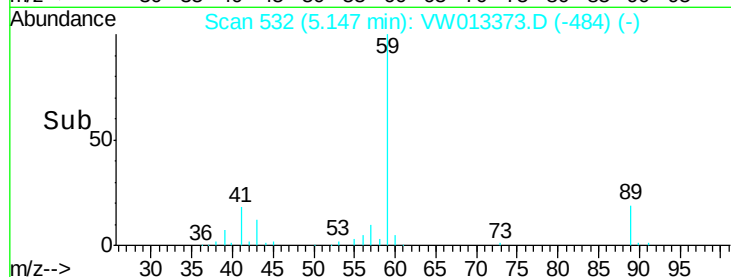
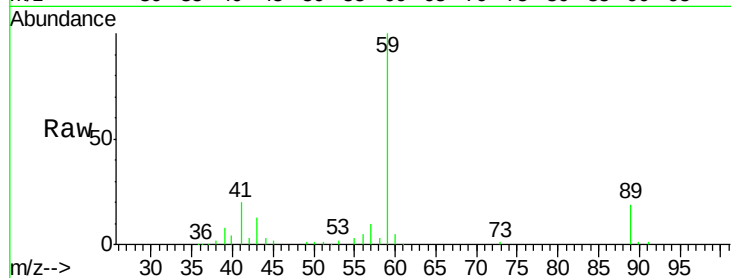
Tert butyl alcohol
Concen: 339.689 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	8.2	12.2

Manual Integrations
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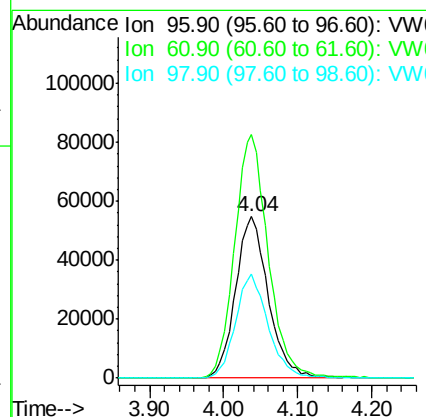
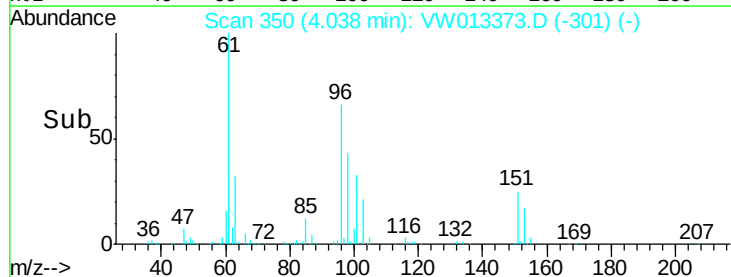
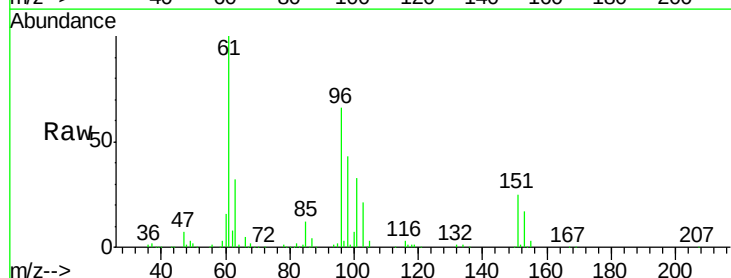
MMDadoda
10/7/2019 8:22:56 AM

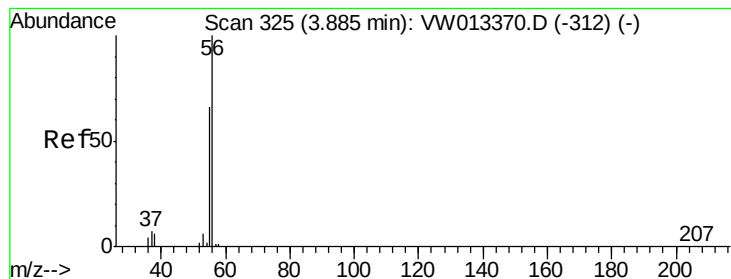


#12

1,1-Dichloroethene
Concen: 49.959 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	125.1	187.7
98	64.2	50.8	76.2





#13

Acrolein

Concen: 255.816 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVWV100119

Tot Ion: 56 Resp: 70950

Ion Ratio Lower Upper

56 100

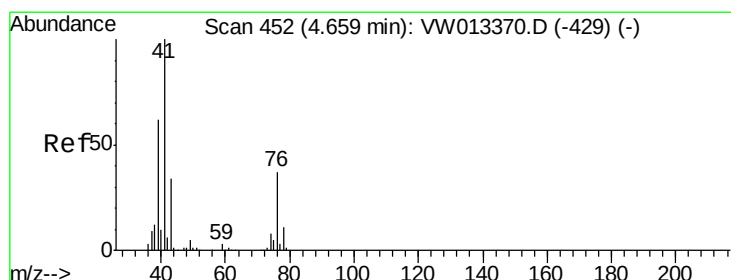
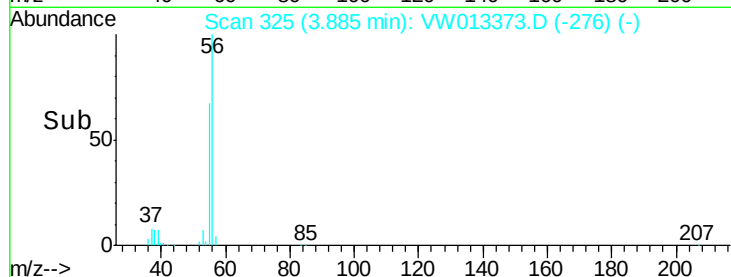
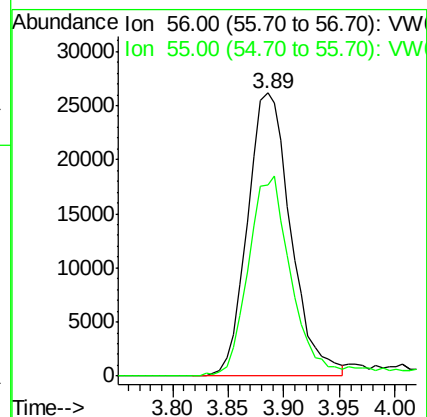
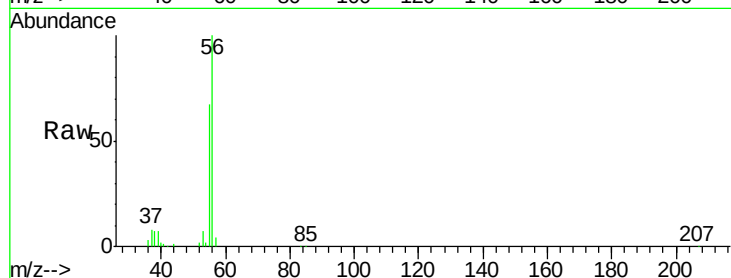
55 69.0 55.4 83.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 50.860 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

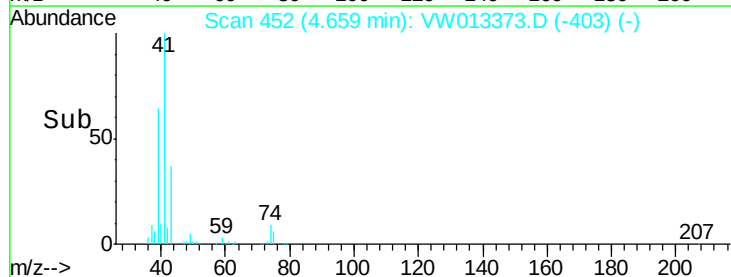
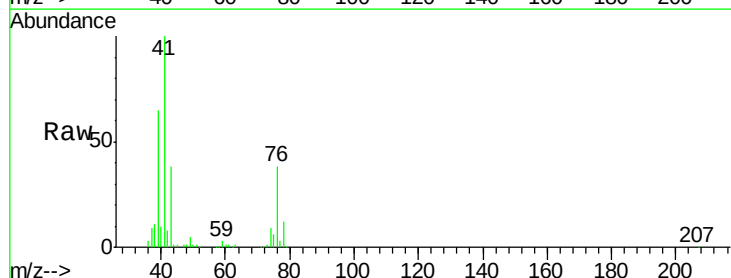
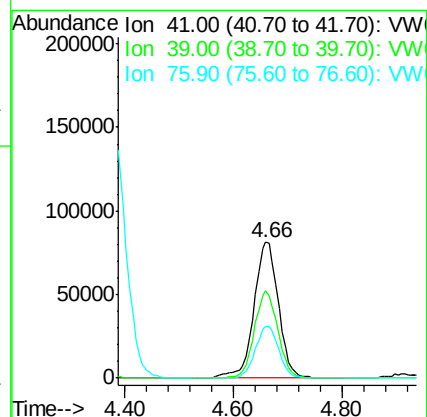
Tgt Ion: 41 Resp: 254194

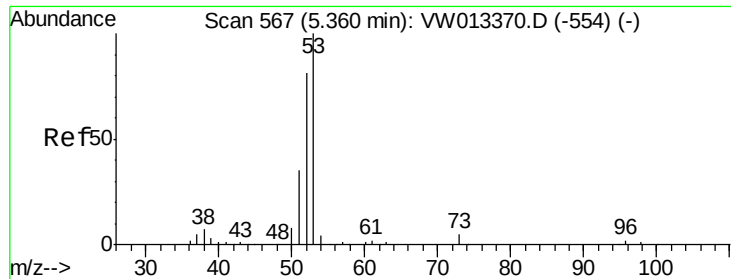
Ion Ratio Lower Upper

41 100

39 61.6 51.0 76.4

76 36.2 28.4 42.6





#15

Acrylonitrile

Concen: 260.696 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

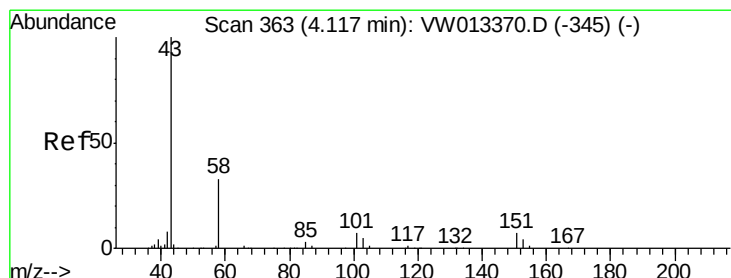
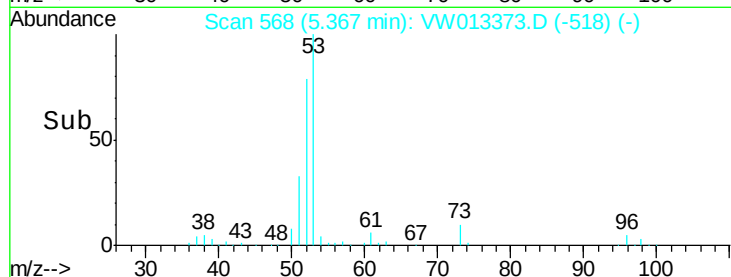
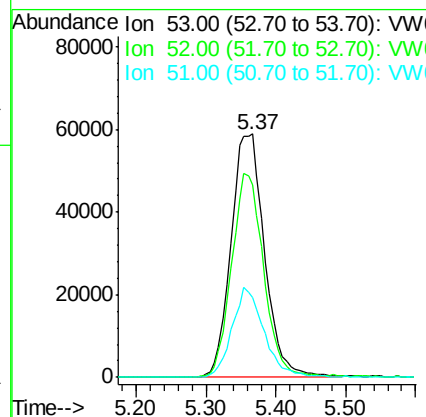
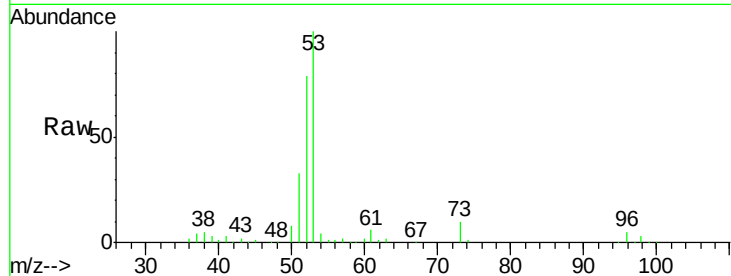
ClientSampleId :

ICVW100119

Tot Ion:	53	Resp:	196736
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.3	97.9
51	35.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 244.106 ug/l

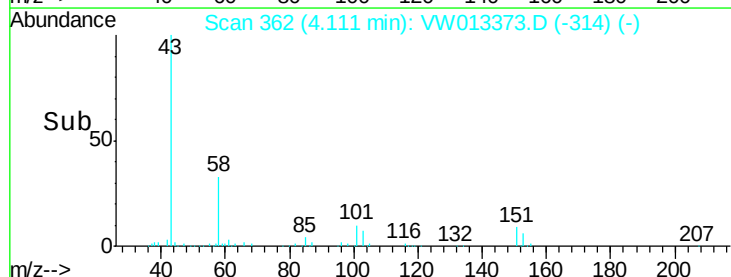
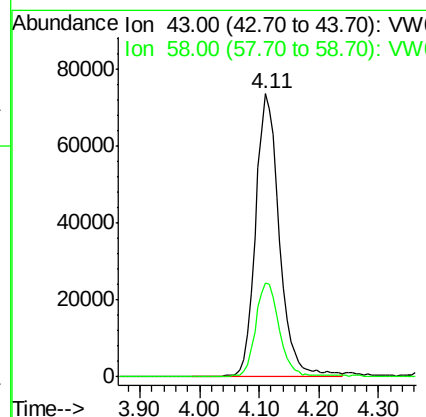
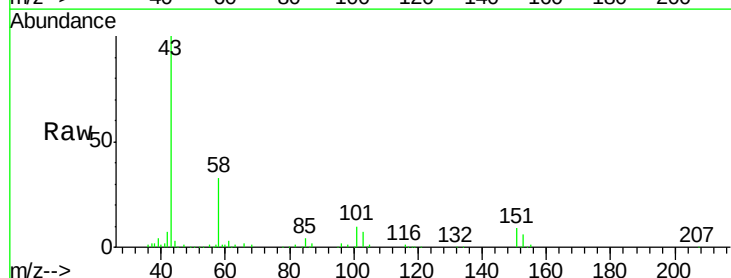
RT: 4.11 min Scan# 362

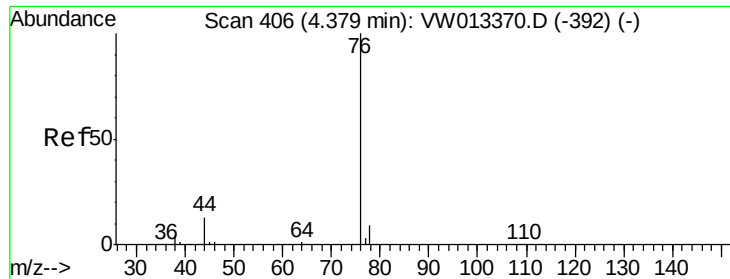
Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	43	Resp:	205043
Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.1	36.1





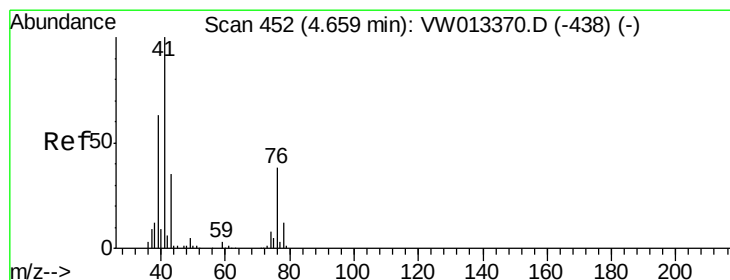
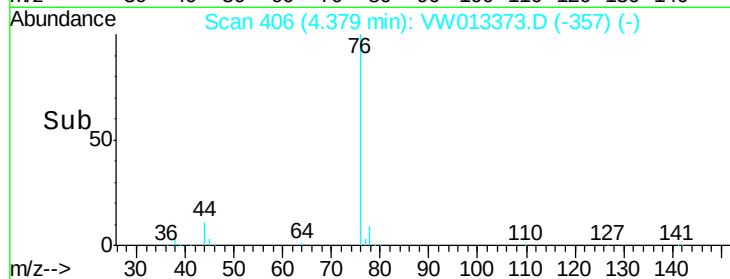
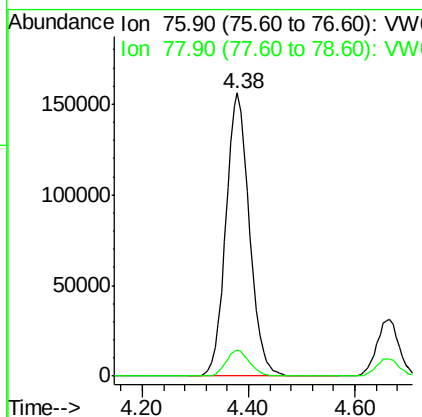
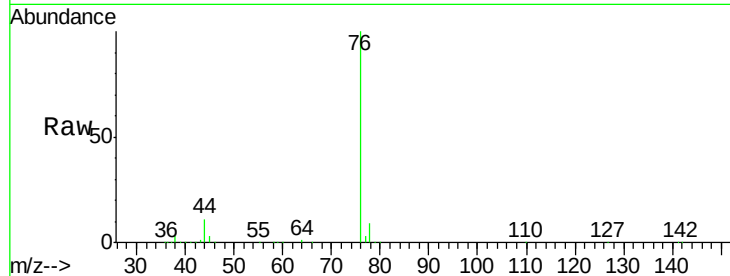
#17
Carbon Disulfide
Concen: 51.183 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVWV100119

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

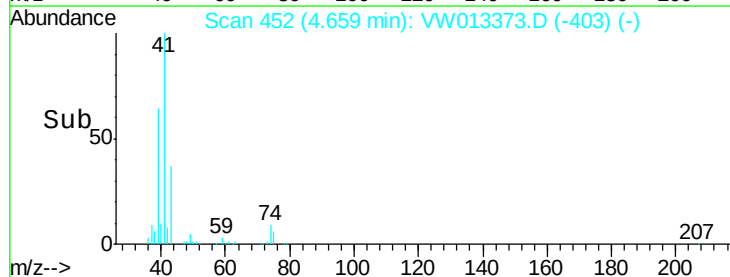
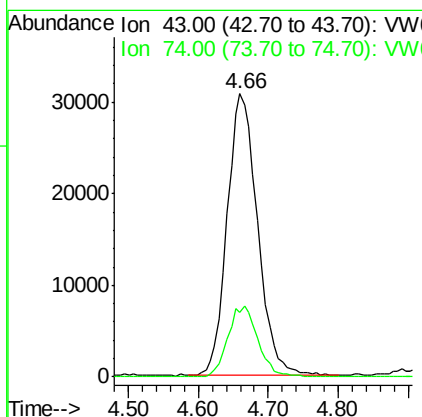
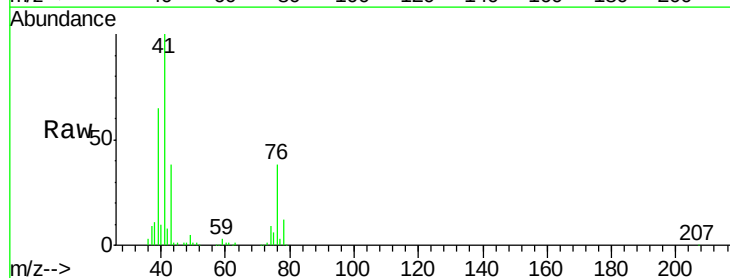
Manual Integrations
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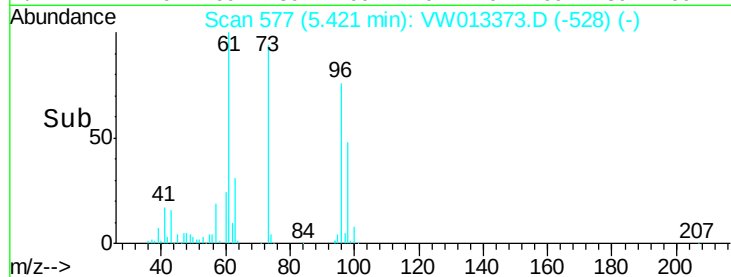
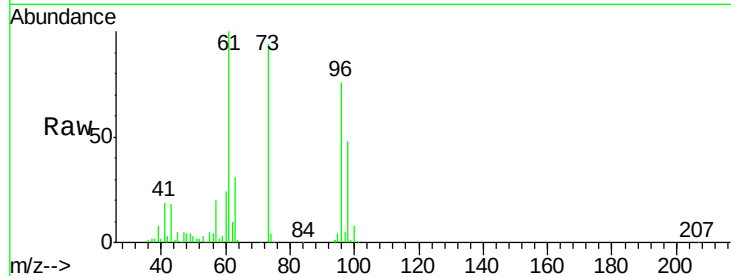
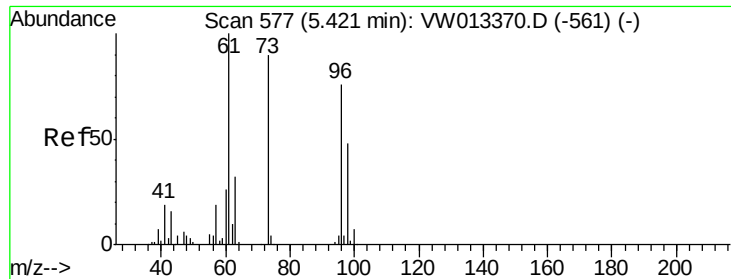
MMDadoda
10/7/2019 8:22:56 AM



#18
Methyl Acetate
Concen: 47.203 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.3	28.9





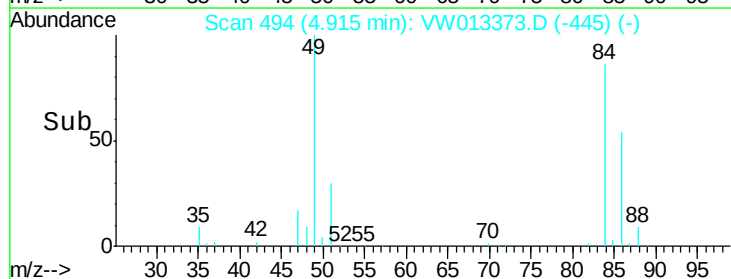
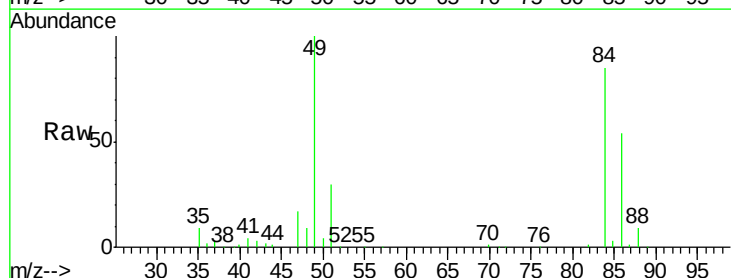
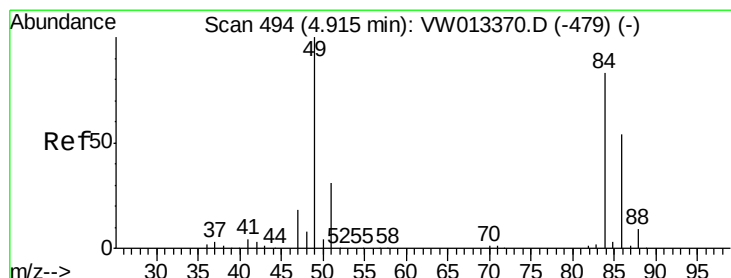
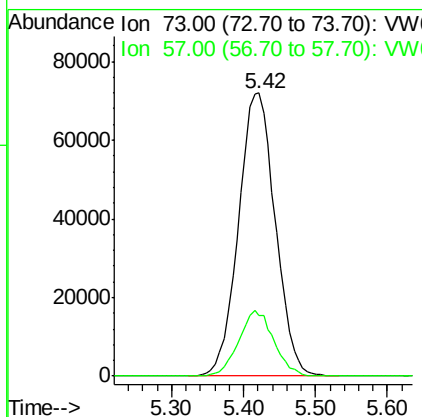
#19
Methyl tert-butyl Ether
Concen: 51.285 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

Instrument :
MSVOA_W
ClientSampleId :
ICVWV100119

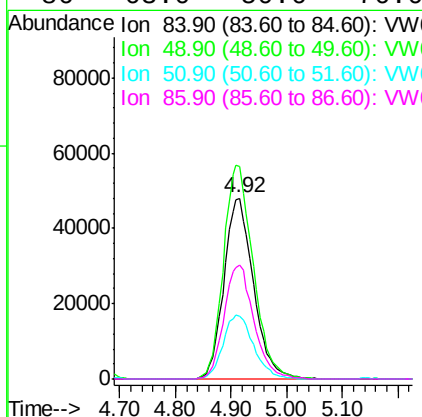
Manual Integrations
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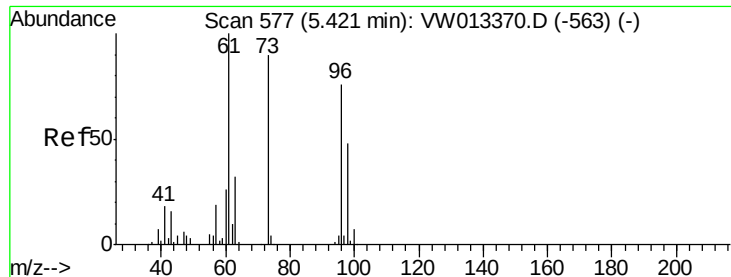
MMDadoda
10/7/2019 8:22:56 AM



#20
Methylene Chloride
Concen: 50.304 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	97.6	146.4
51	34.8	30.2	45.2
86	63.0	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 49.930 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW100119

Tot Ion: 96 Resp: 179642

Ion Ratio Lower Upper

96 100

61 132.1 106.6 159.8

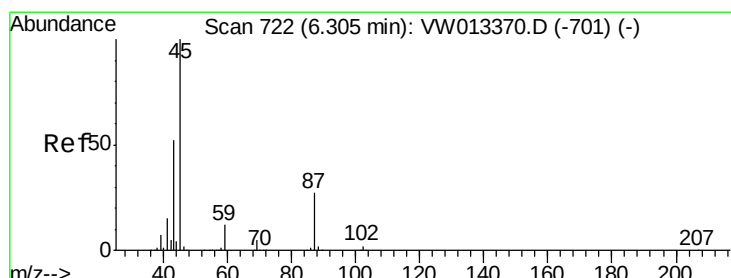
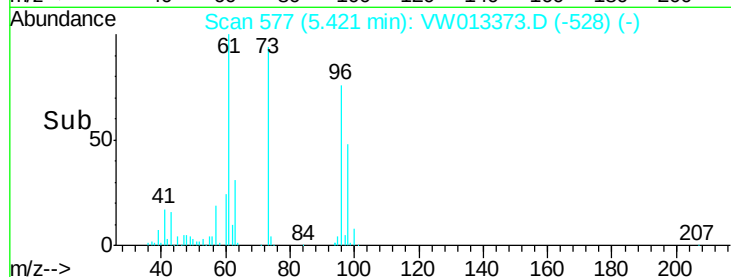
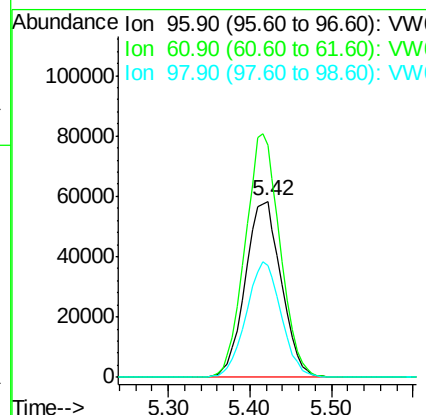
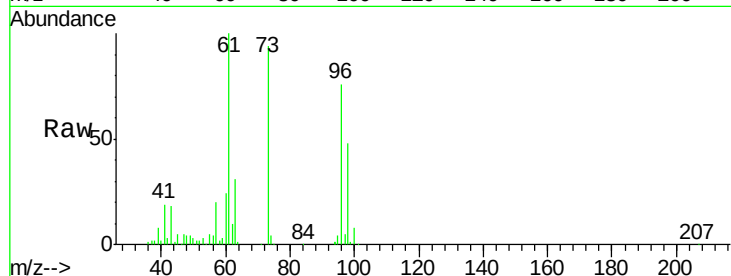
98 63.5 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.343 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion: 45 Resp: 495555

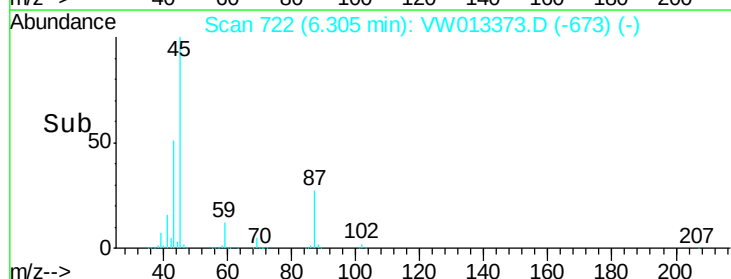
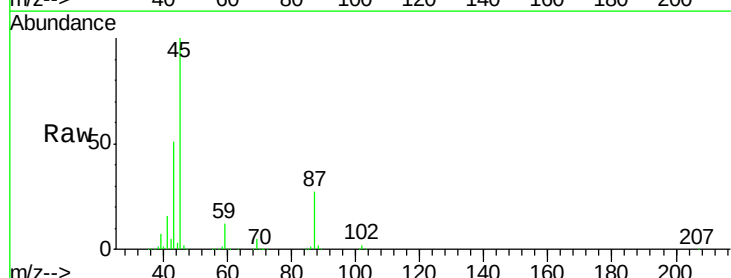
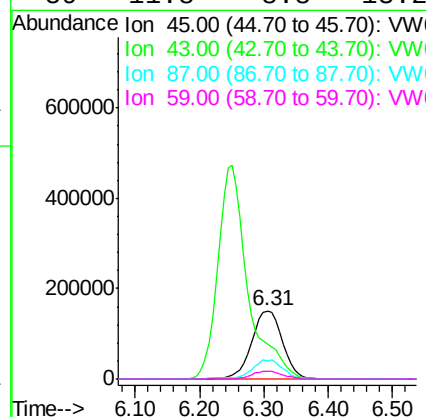
Ion Ratio Lower Upper

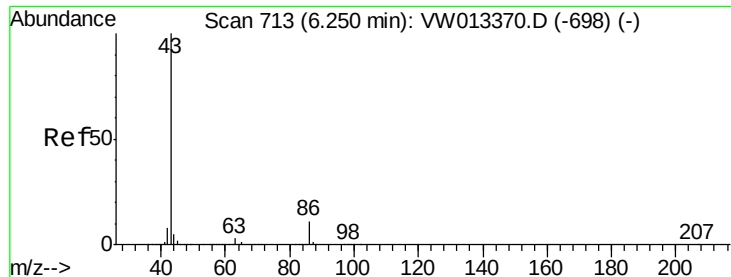
45 100

43 50.9 42.4 63.6

87 26.9 20.4 30.6

59 11.8 8.8 13.2





#23

Vinyl Acetate

Concen: 267.613 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVWV100119

Tot Ion: 43 Resp: 1549896

Ion Ratio Lower Upper

43 100

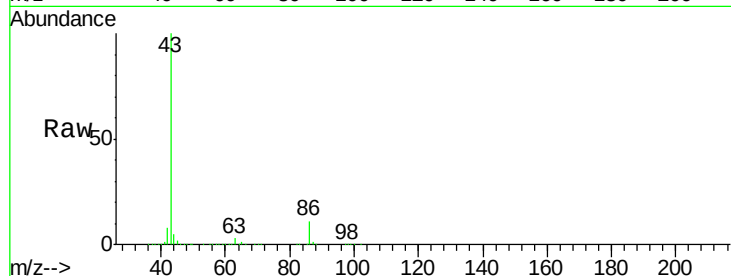
86 11.3 8.3 12.5

Manual Integrations

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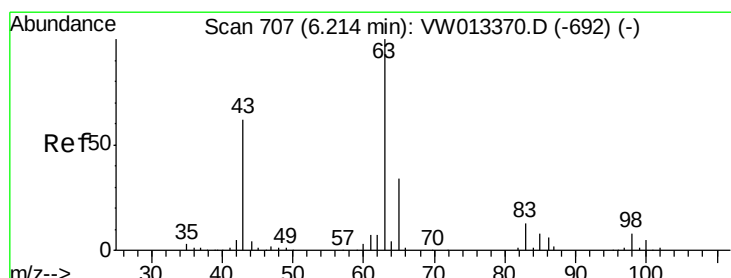
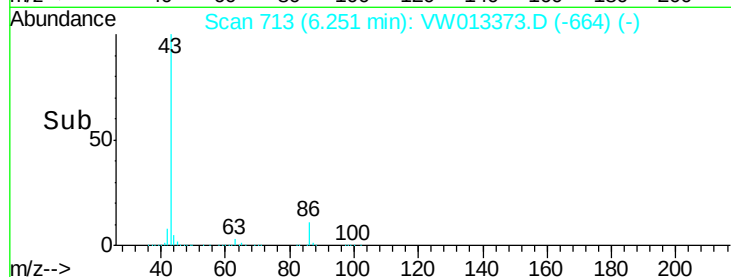
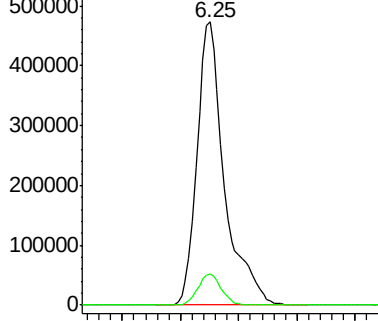
MMDadoda

10/7/2019 8:22:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.717 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

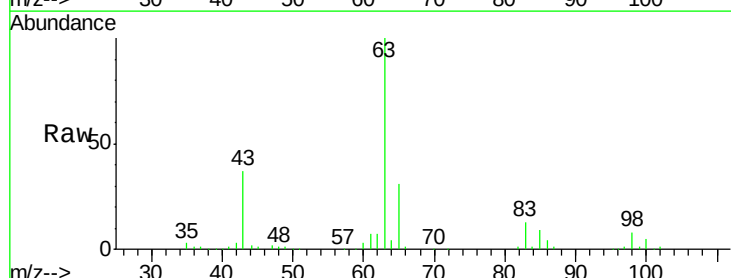
Tgt Ion: 63 Resp: 298156

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.5

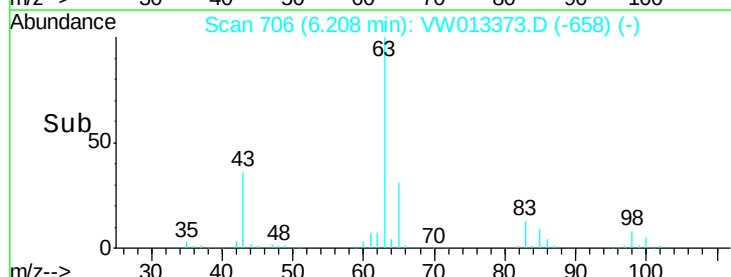
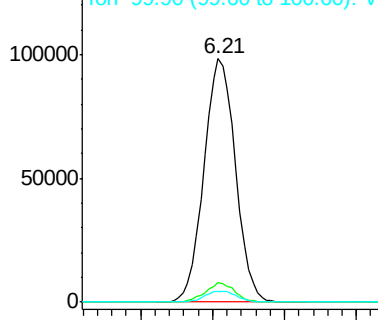
100 4.6 2.4 7.1

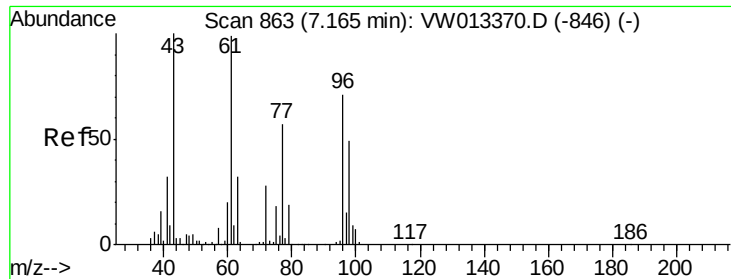


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 248.676 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

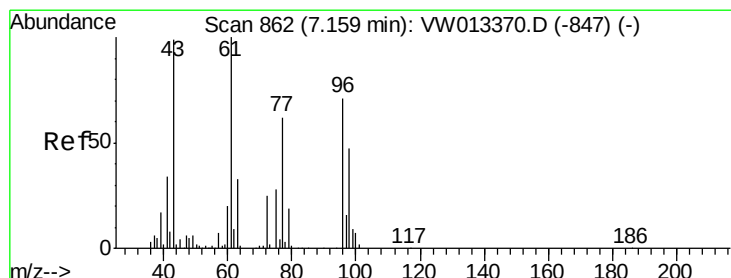
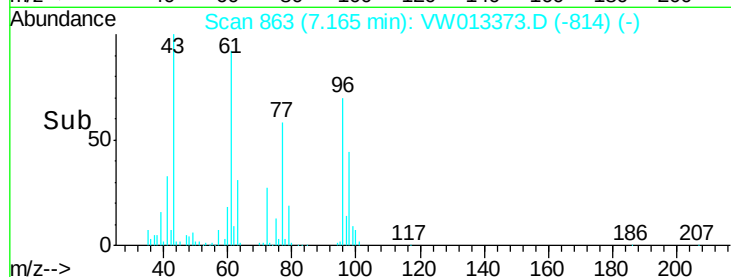
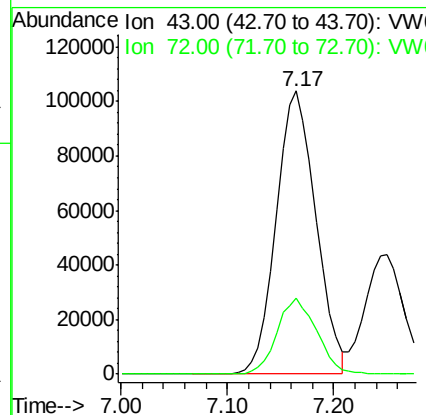
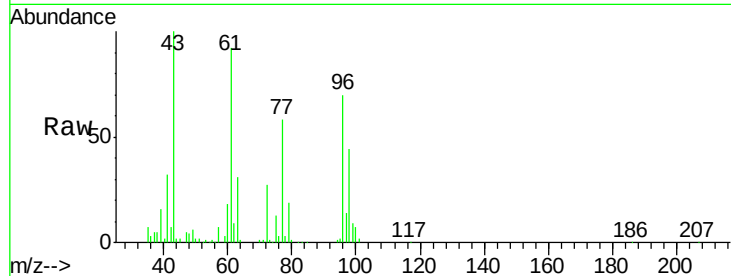
ClientSampleId :

ICVWV100119

Manual Integrations
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10/7/2019 8:22:56 AM

Tot Ion	43	Resp	267280
Ion	Ratio	Lower	Upper
43	100		
72	26.9	19.4	29.0



#26

2,2-Dichloropropane

Concen: 52.098 ug/l

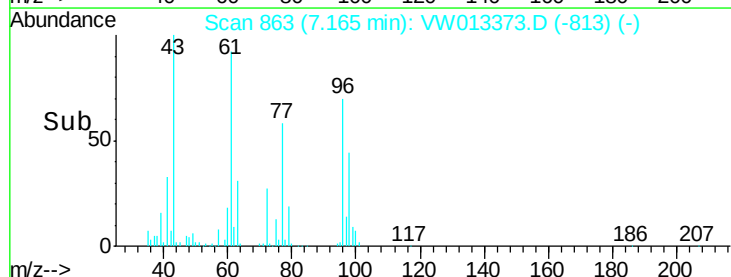
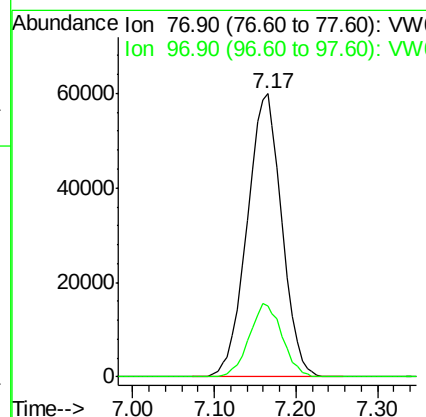
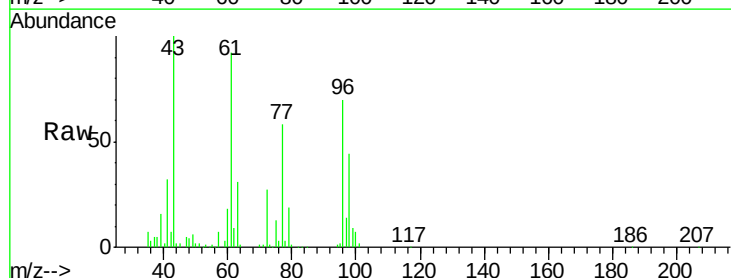
RT: 7.17 min Scan# 863

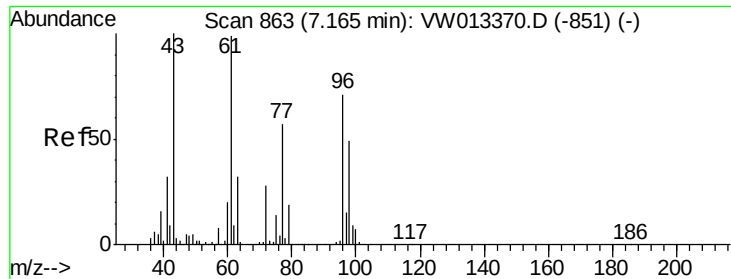
Delta R.T. 0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion	77	Resp	176969
Ion	Ratio	Lower	Upper
77	100		
97	24.7	11.8	35.4





#27

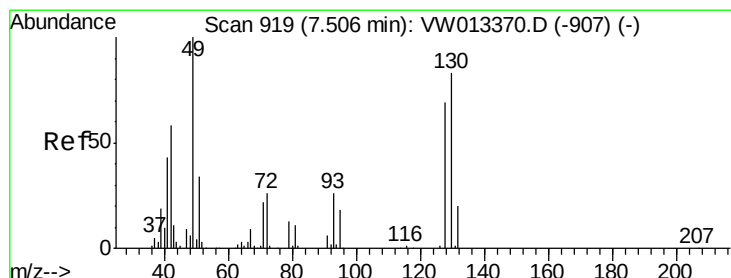
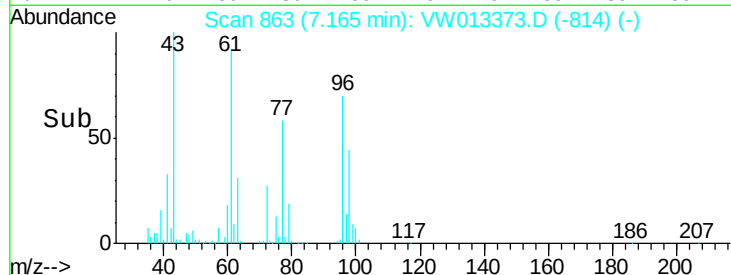
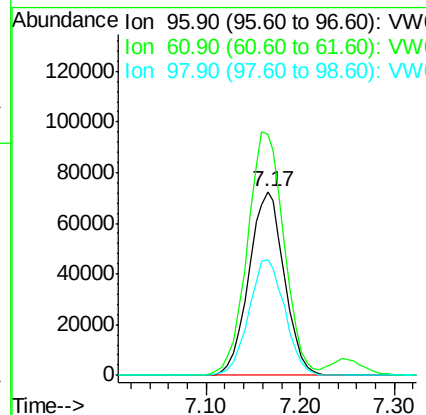
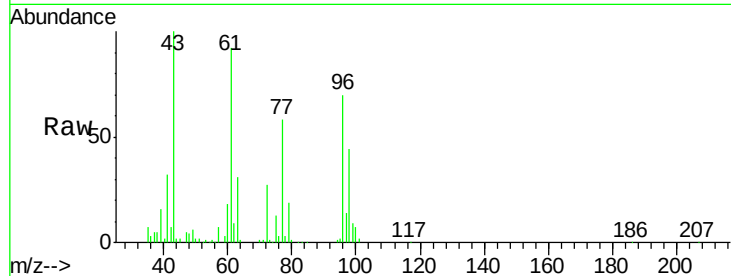
cis-1,2-Dichloroethene
Concen: 50.647 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	282.4
98	63.9	0.0	128.2

Manual Integrations
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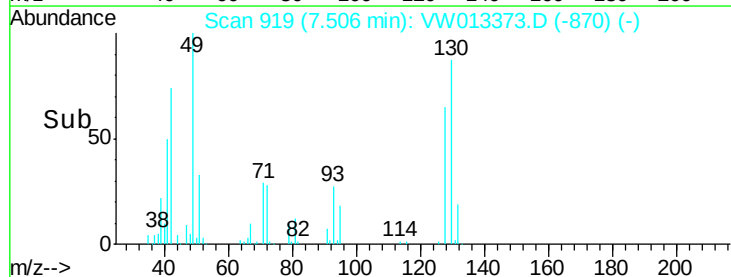
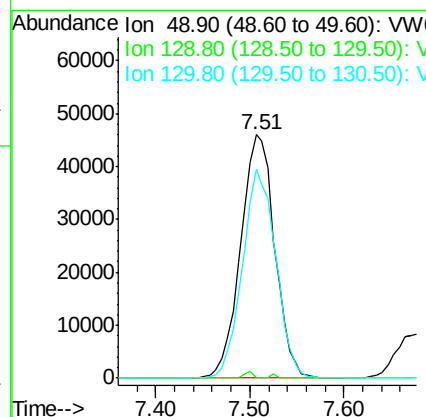
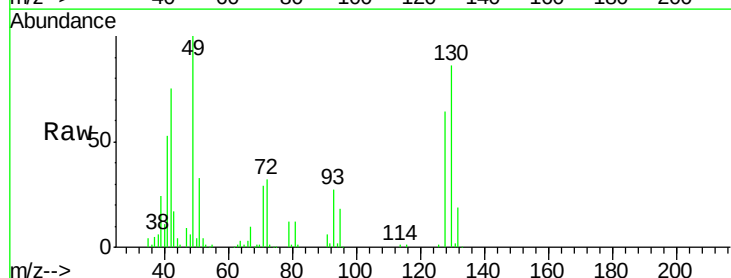
MMDadoda
10/7/2019 8:22:56 AM

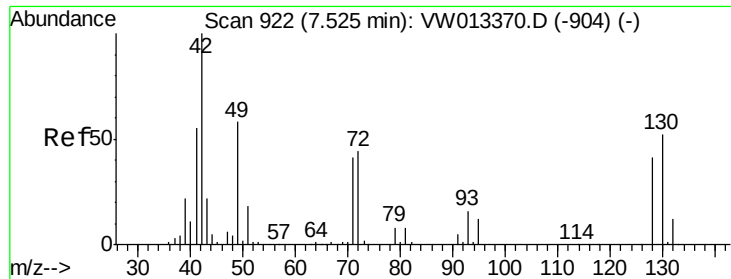


#28

Bromochloromethane
Concen: 54.511 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	84.0	63.4	95.2





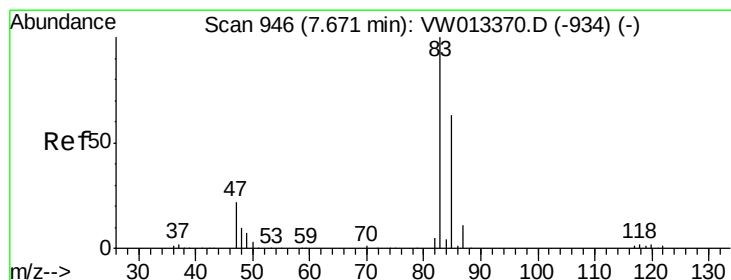
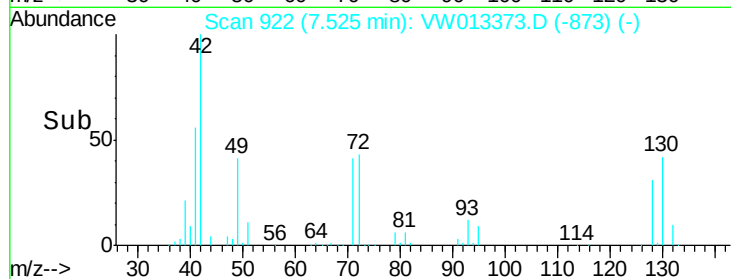
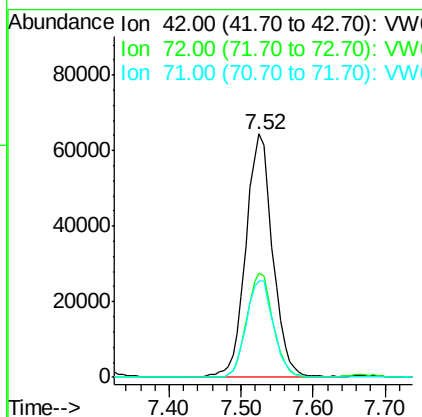
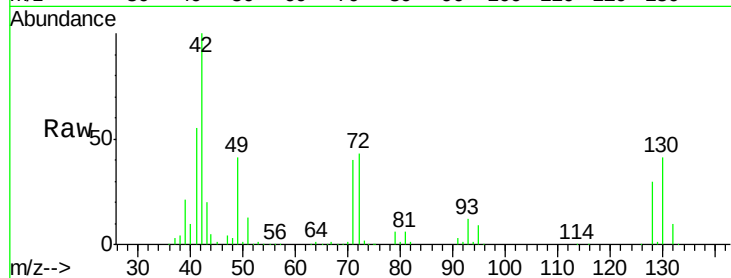
#29
Tetrahydrofuran
Concen: 266.119 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVWV100119

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.9	50.9
71	40.5	31.9	47.9

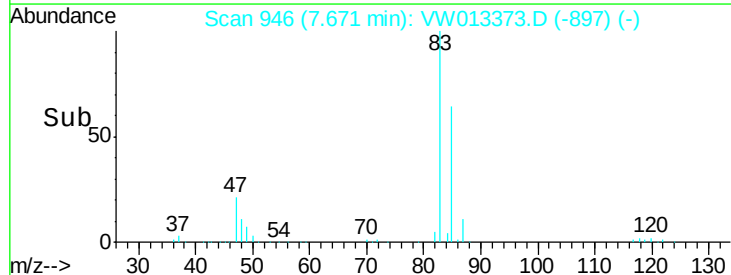
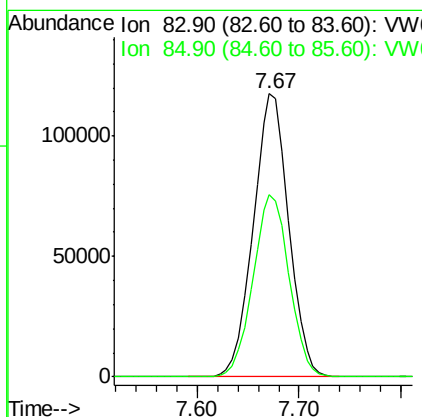
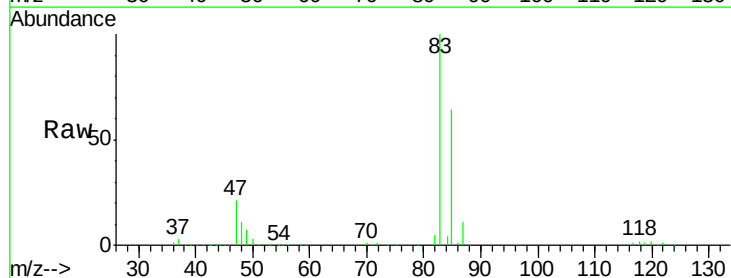
Manual Integrations
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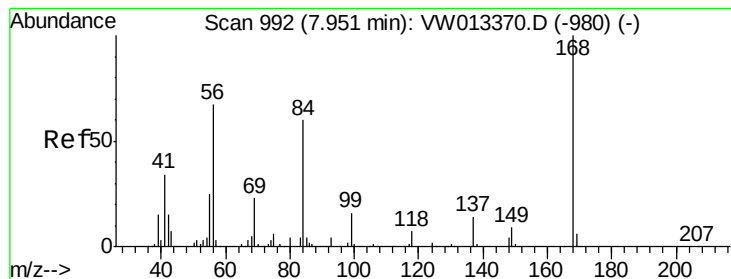
MMDadoda
10/7/2019 8:22:56 AM



#30
Chloroform
Concen: 49.187 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5





#31

Cyclohexane

Concen: 48.465 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

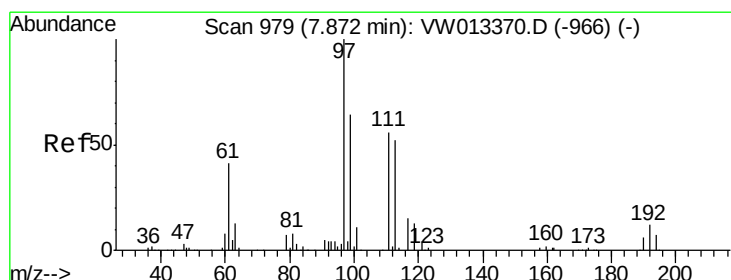
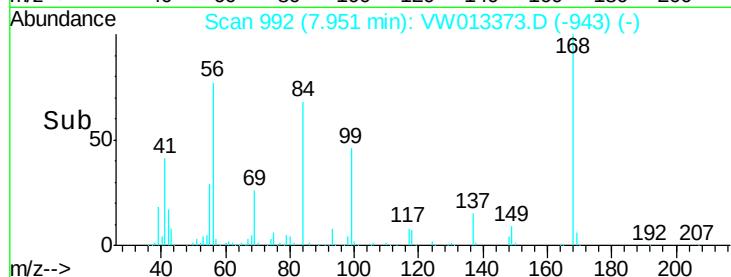
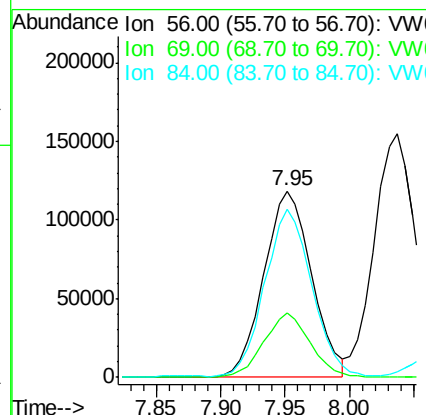
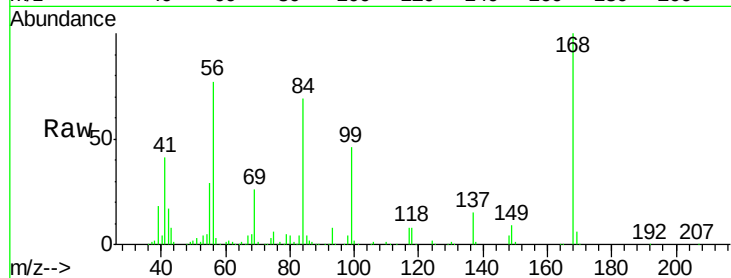
ClientSampleId :

ICVW100119

Tot Ion:	56	Resp:	303851
Ion Ratio		Lower	Upper
56	100		
69	34.4	27.2	40.8
84	89.2	70.8	106.2

Manual Integrations
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10/7/2019 8:22:56 AM



#32

1,1,1-Trichloroethane

Concen: 50.587 ug/l

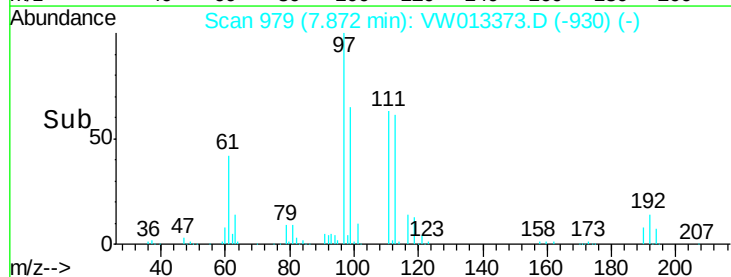
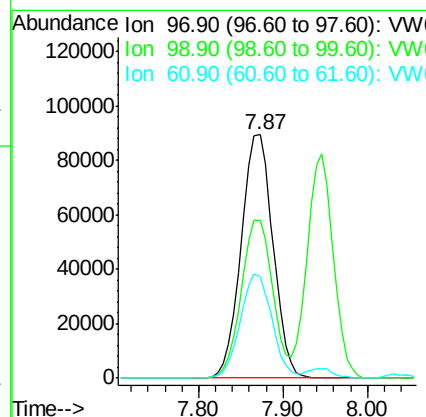
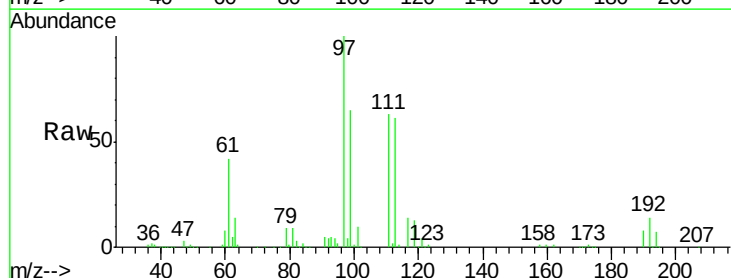
RT: 7.87 min Scan# 979

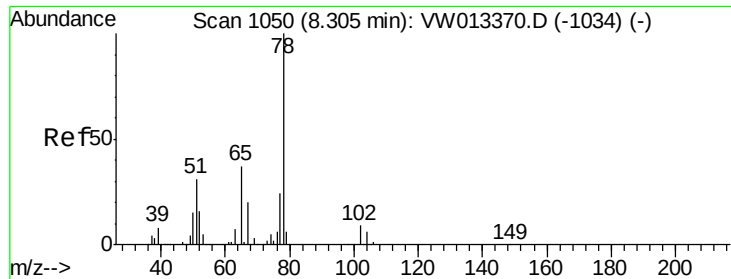
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	97	Resp:	228458
Ion Ratio		Lower	Upper
97	100		
99	64.6	51.7	77.5
61	42.4	34.6	51.8





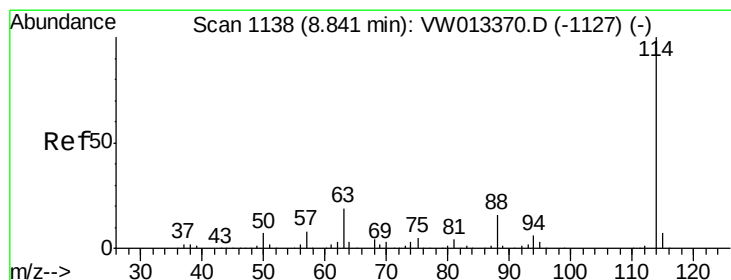
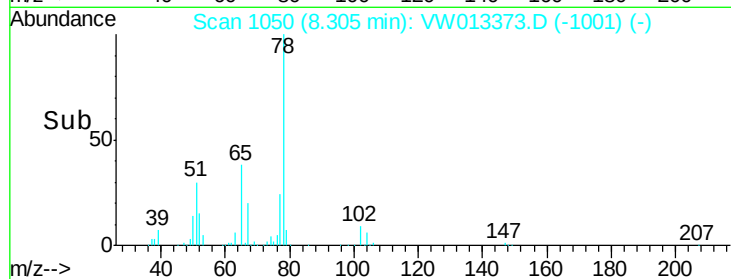
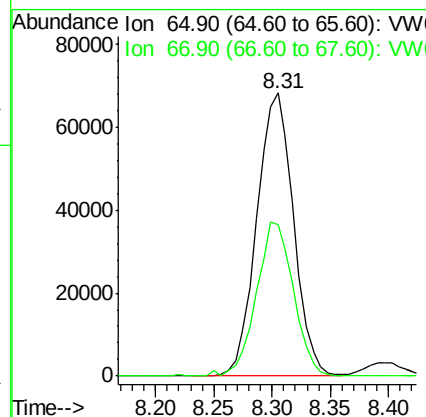
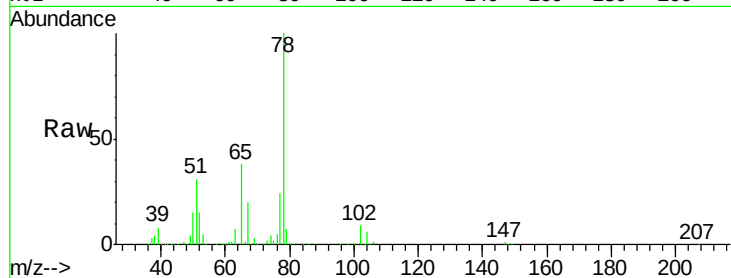
#33
 1,2-Dichloroethane-d4
 Concen: 54.777 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150110		
67	54.9	0.0	106.2	

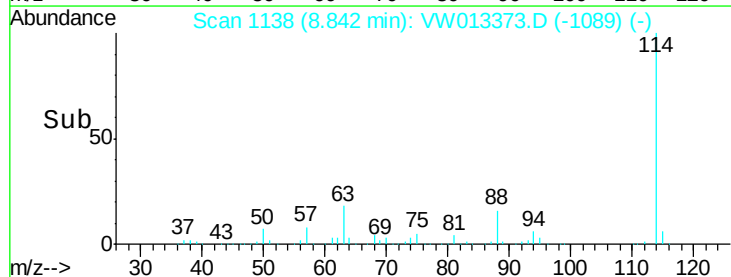
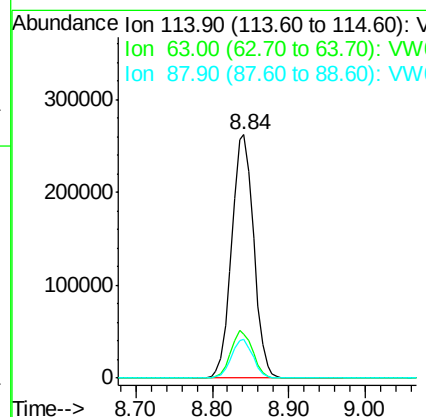
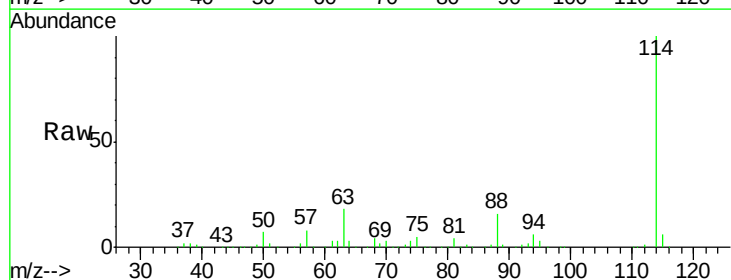
Manual Integrations
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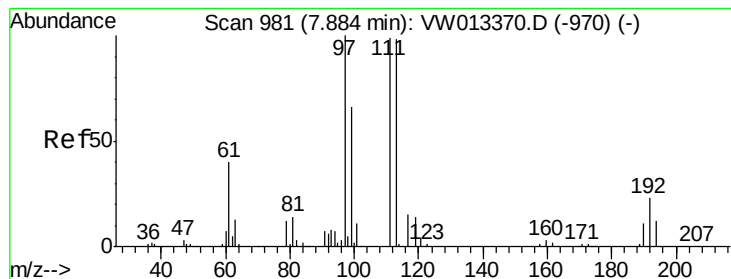
MMDadoda
 10/7/2019 8:22:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	520779		
63	18.1	0.0	41.4	
88	15.8	0.0	32.0	





#35

Dibromofluoromethane

Concen: 55.837 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

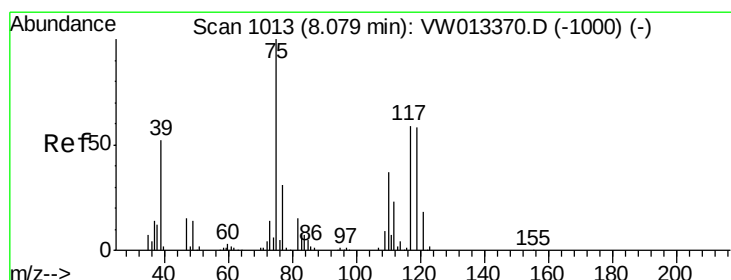
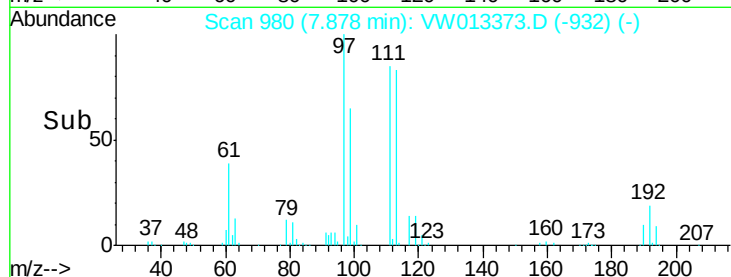
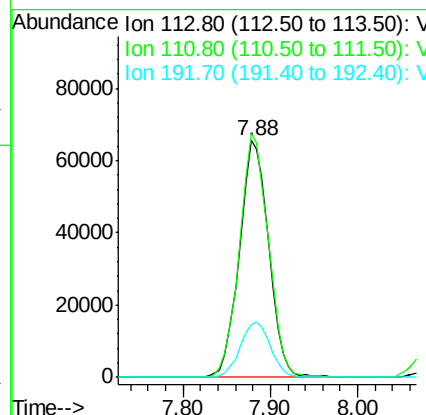
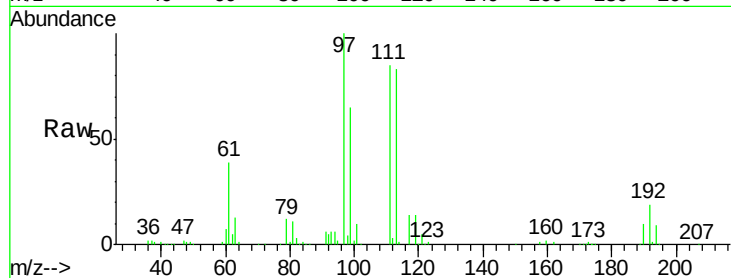
ClientSampleId :

ICVWV100119

Tot Ion:	113	Resp:	152584
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.9	122.9
192	23.9	19.1	28.7

Manual Integrations
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10/7/2019 8:22:56 AM



#36

1,1-Dichloropropene

Concen: 51.076 ug/l

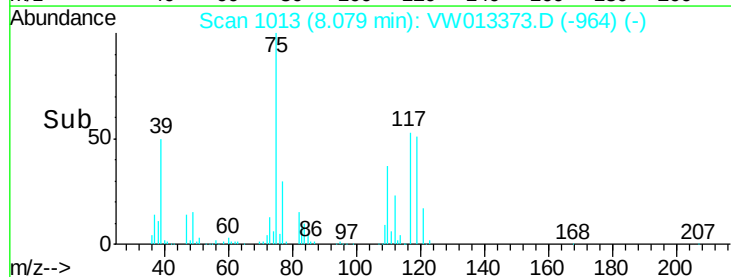
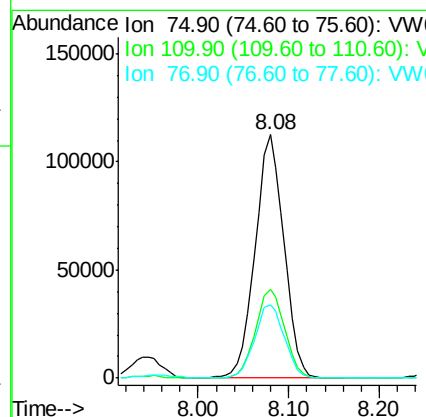
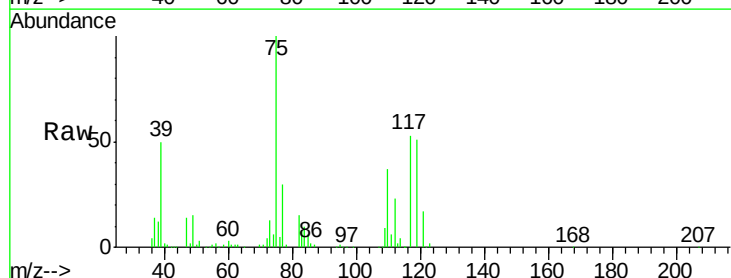
RT: 8.08 min Scan# 1013

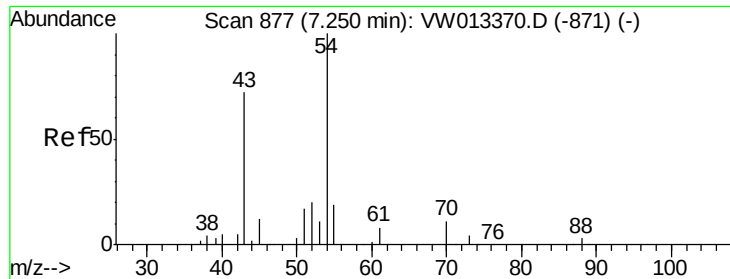
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	75	Resp:	247055
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.1	54.3
77	31.2	25.8	38.6





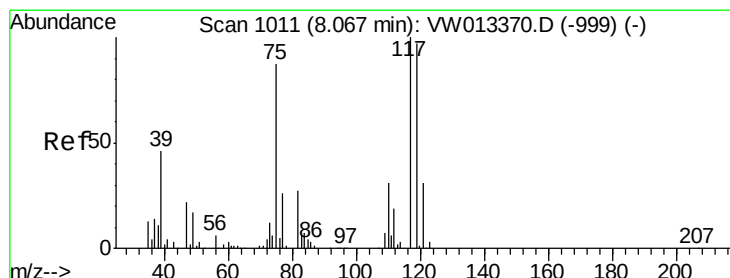
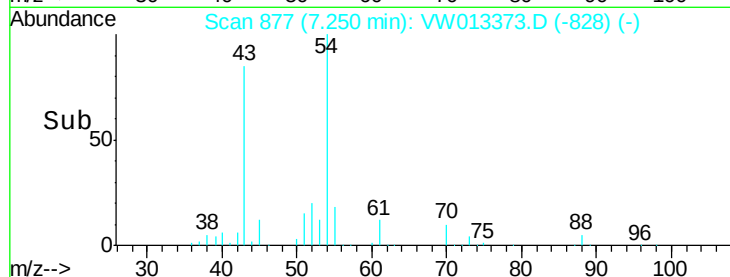
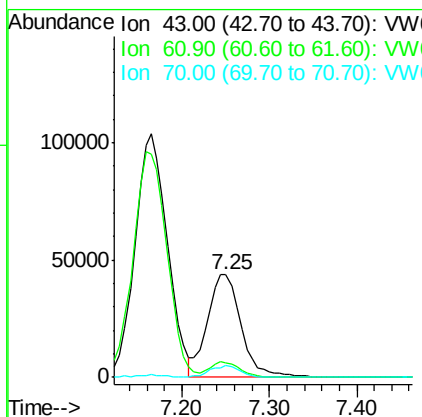
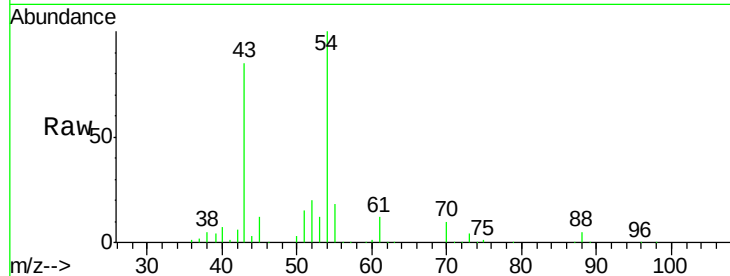
#37
Ethyl Acetate
Concen: 54.318 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampled :
ICVW100119

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.6	8.2	12.2

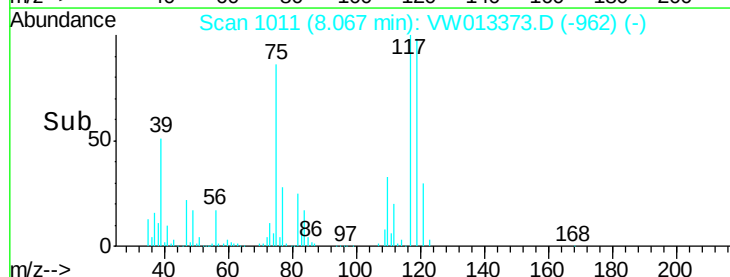
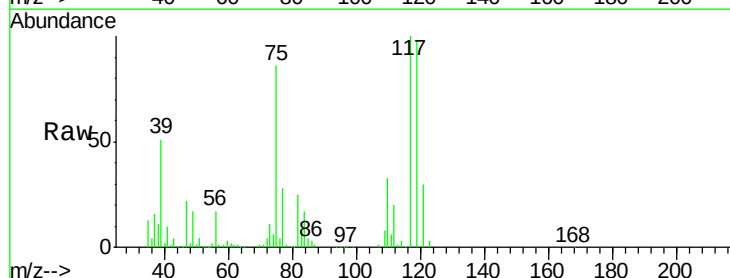
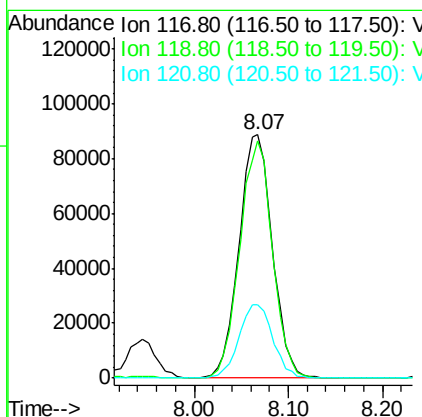
Manual Integrations
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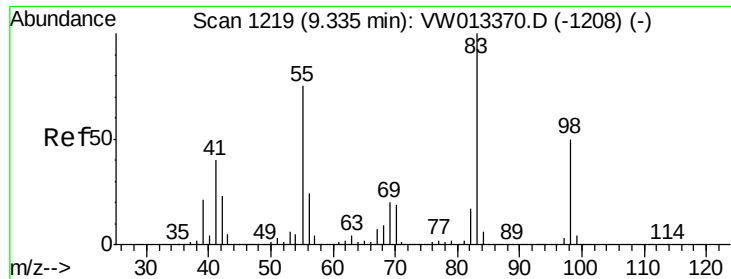
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#38
Carbon Tetrachloride
Concen: 52.307 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	73.5	110.3
121	30.1	25.0	37.6





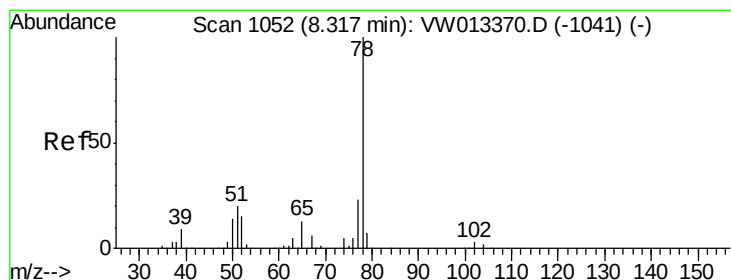
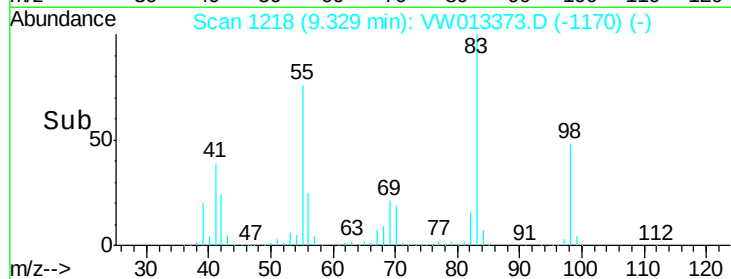
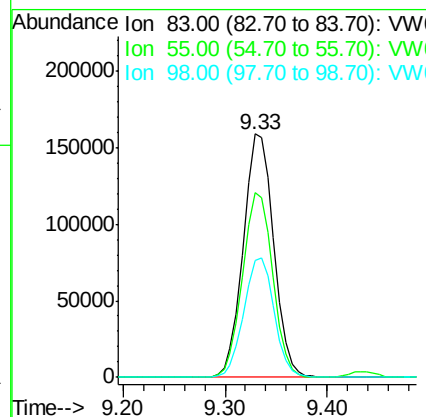
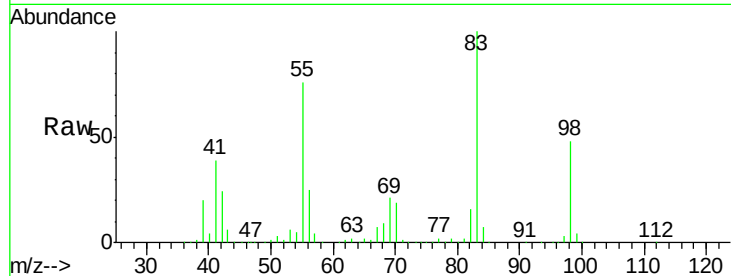
#39
Methylvlcyclohexane
Concen: 51.700 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.4	90.6
98	47.9	40.0	60.0

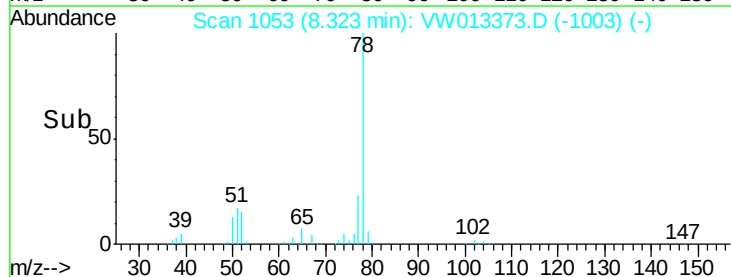
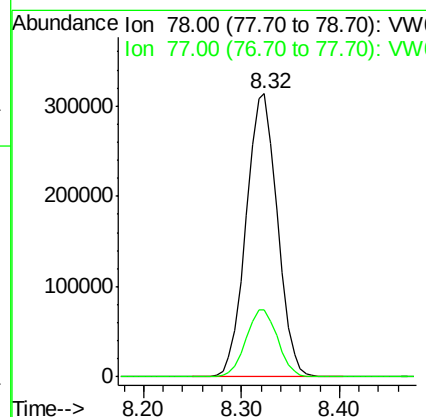
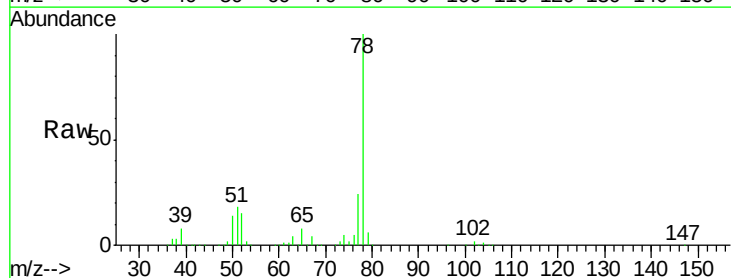
Manual Integrations
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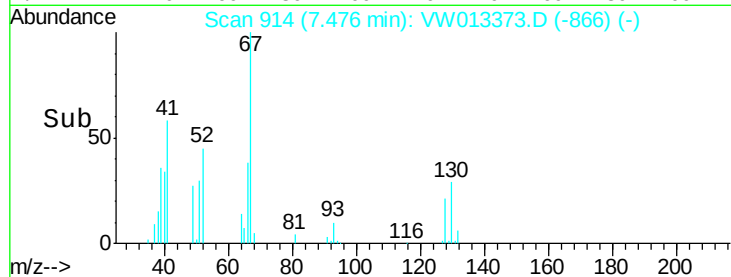
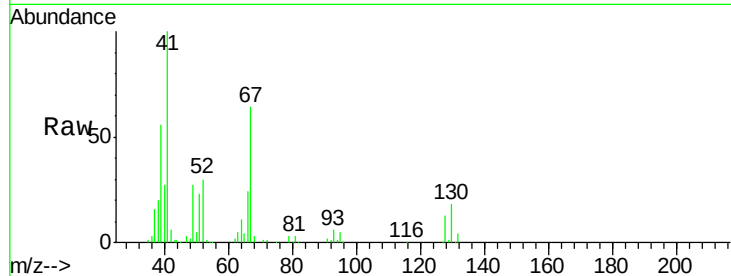
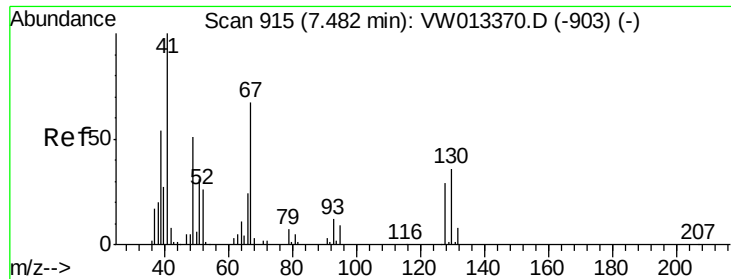
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#40
Benzene
Concen: 50.760 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





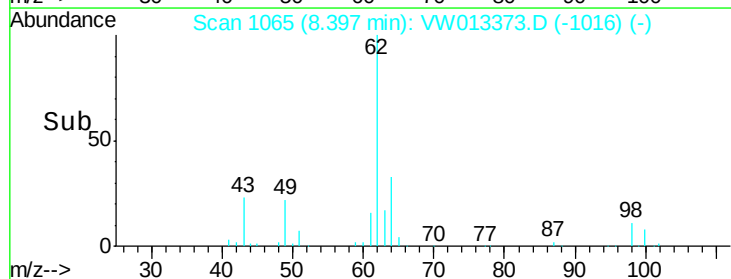
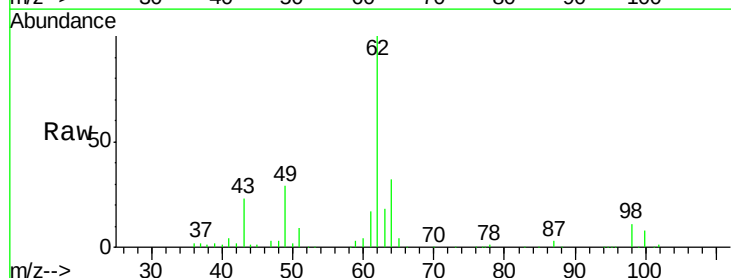
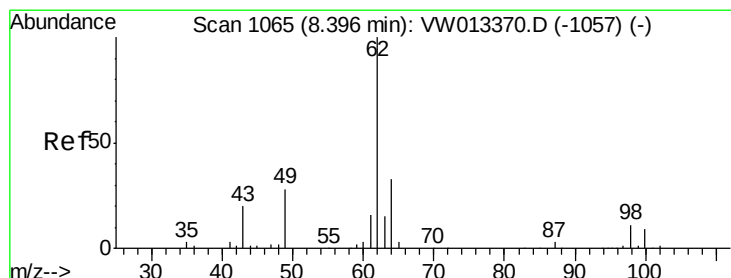
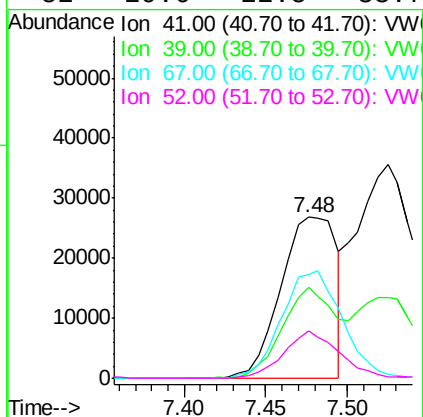
#41
Methacrylonitrile
Concen: 49.413 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		63602		
39	56.6	45.9	68.9		
67	72.5	54.5	81.7		
52	29.6	22.5	33.7		

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

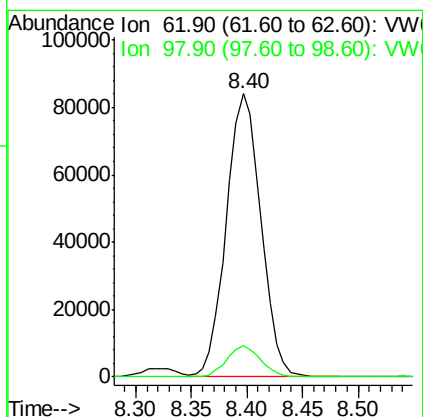
Manual Integrations
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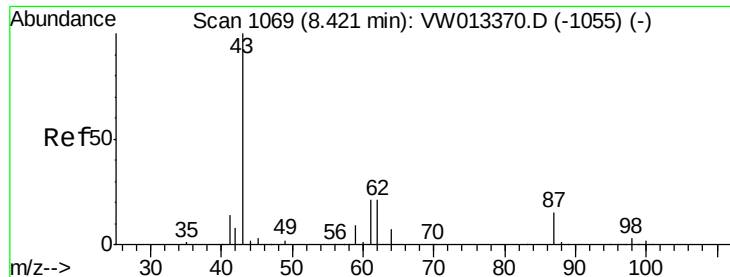
MMDadoda
10/7/2019 8:22:56 AM



#42
1,2-Dichloroethane
Concen: 51.416 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		180944		
98	10.8	0.0	20.6		





#43

Isopropyl Acetate

Concen: 52.243 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

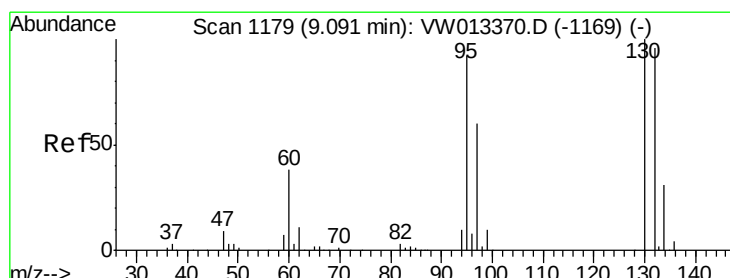
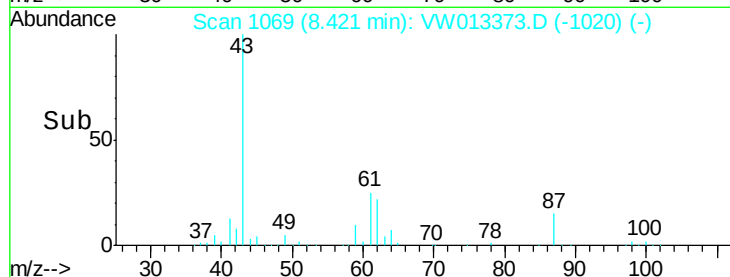
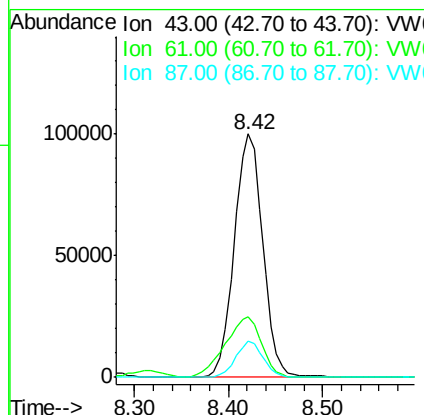
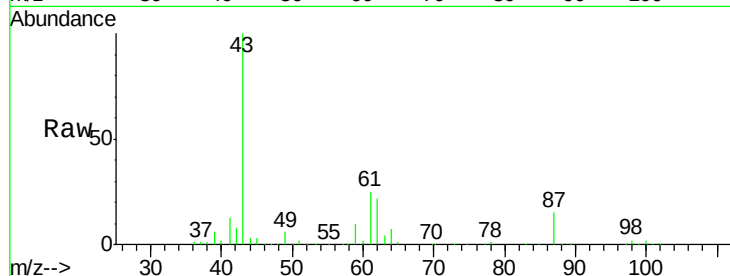
ClientSampleId :

ICVW100119

Tot Ion:	43	Resp:	209904
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	14.3	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.403 ug/l

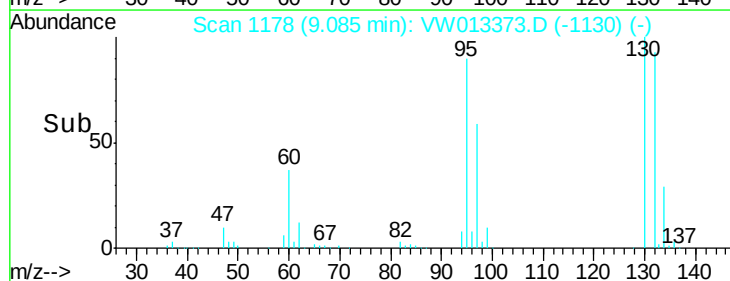
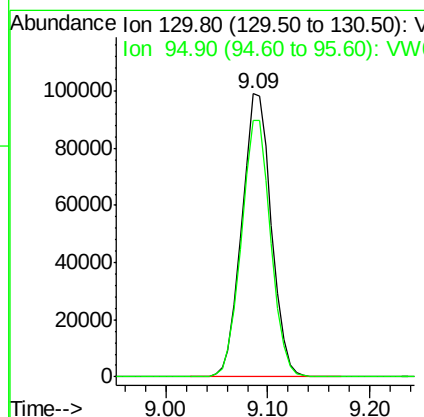
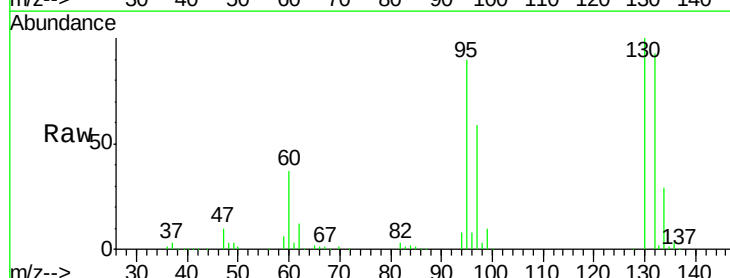
RT: 9.09 min Scan# 1178

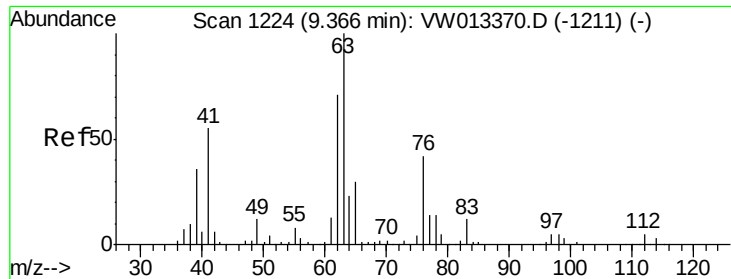
Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	130	Resp:	198204
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	188.0





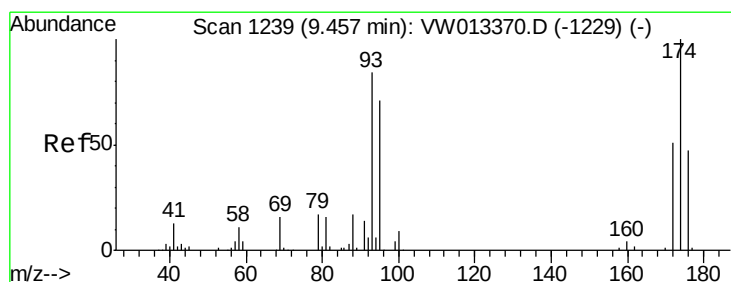
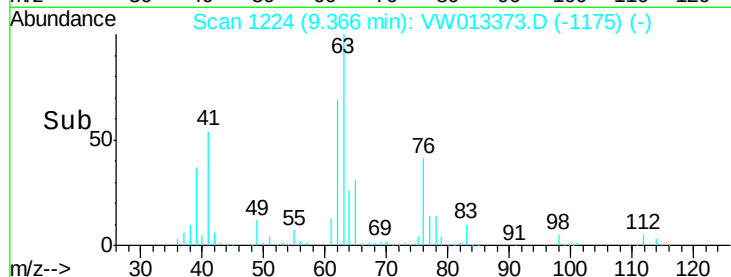
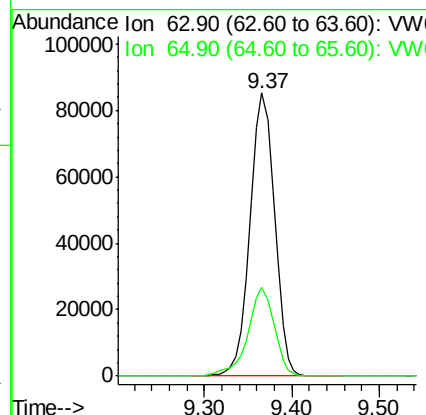
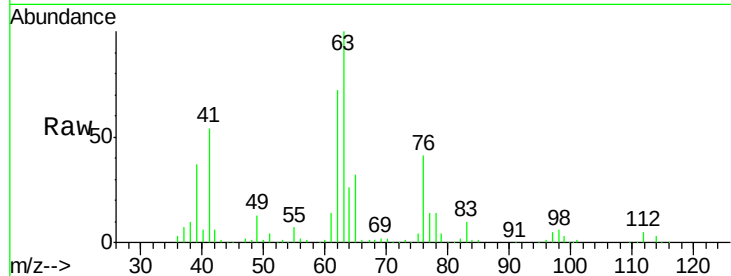
#45
 1,2-Dichloropropane
 Concen: 50.900 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Tot Ion: 63 Resp: 167339
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.3 37.9

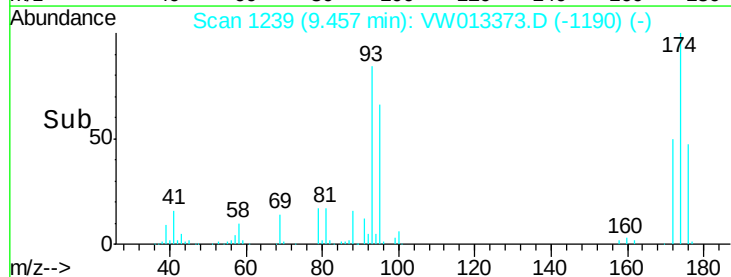
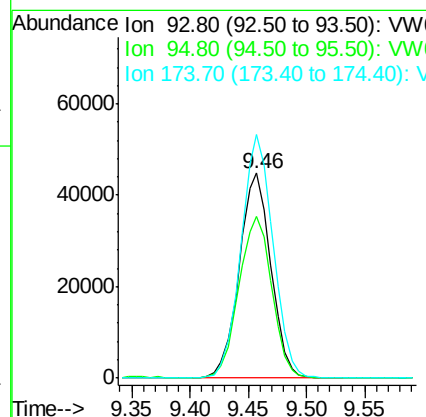
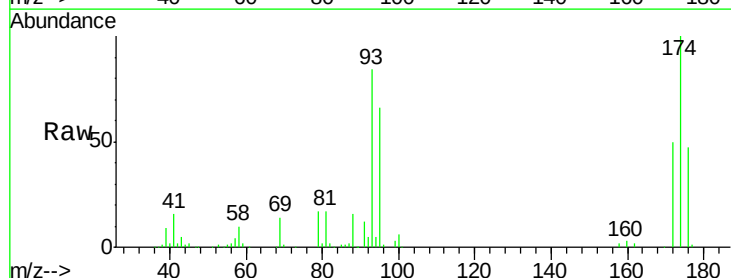
Manual Integrations
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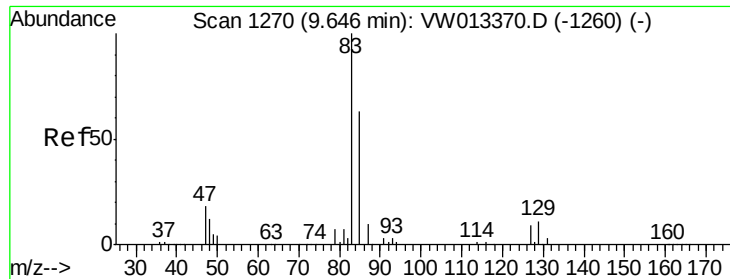
MMDadoda
 10/7/2019 8:22:56 AM



#46
 Dibromomethane
 Concen: 52.041 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion: 93 Resp: 85217
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.4 99.6
 174 119.9 93.0 139.6





#47

Bromodichloromethane

Concen: 51.910 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

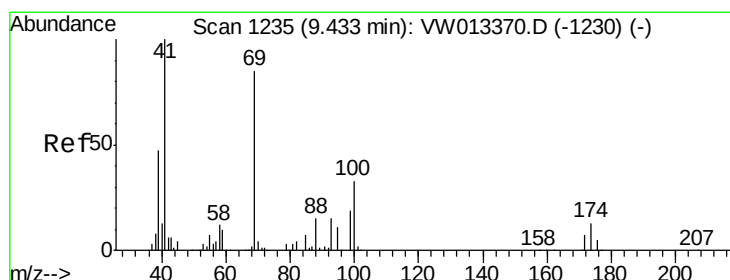
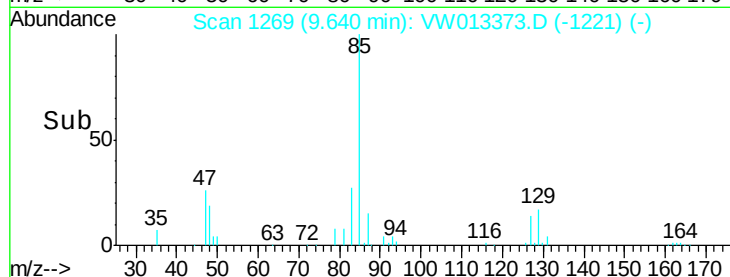
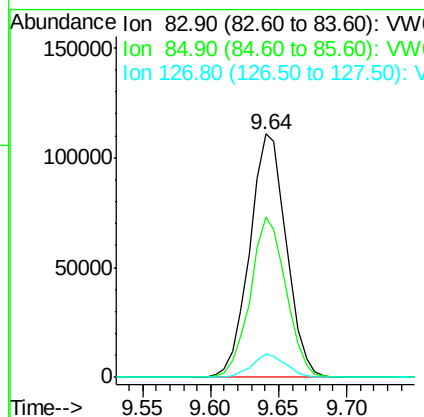
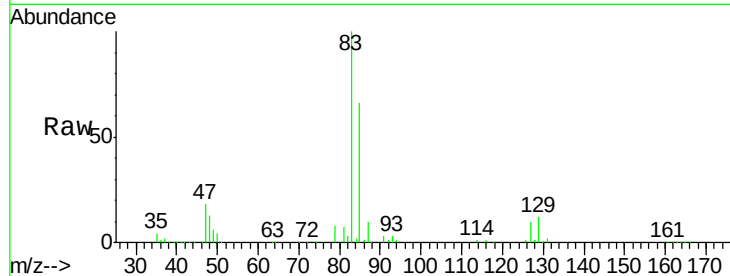
ClientSampled :

ICVW100119

Tot Ion:	83	Resp:	209257
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.4	74.2
127	9.6	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.953 ug/l

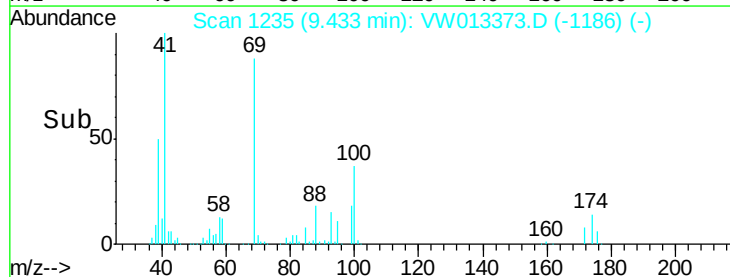
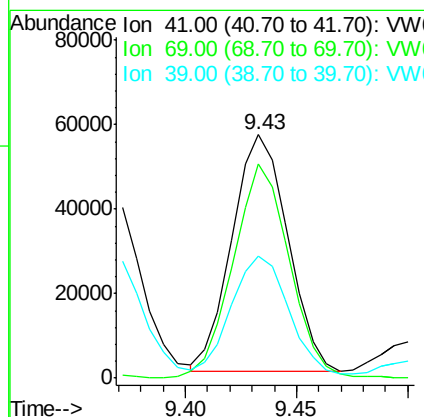
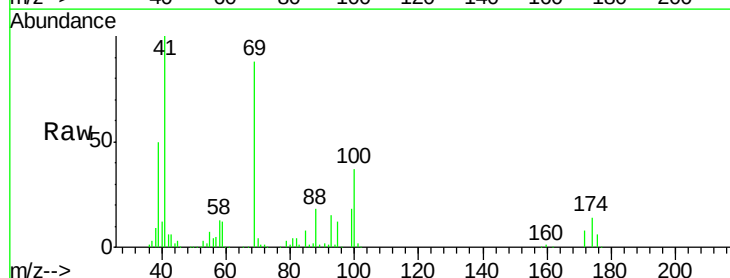
RT: 9.43 min Scan# 1235

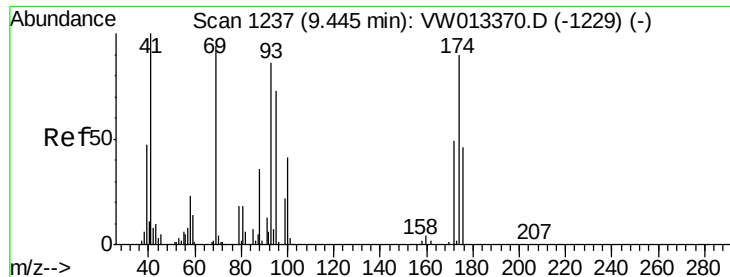
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	41	Resp:	98368
Ion Ratio	Lower	Upper	
41	100		
69	91.3	69.7	104.5
39	50.6	41.1	61.7





#49

1,4-Dioxane

Concen: 1171.263 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW100119

Tot Ion: 88 Resp: 29487

Ion Ratio Lower Upper

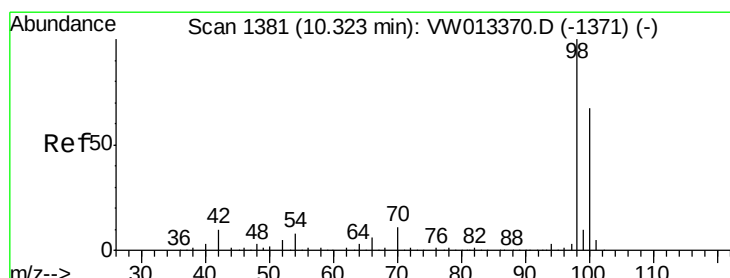
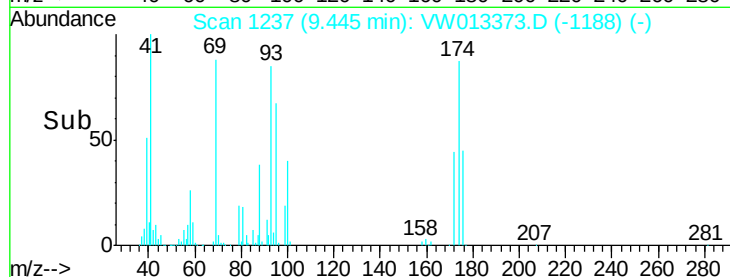
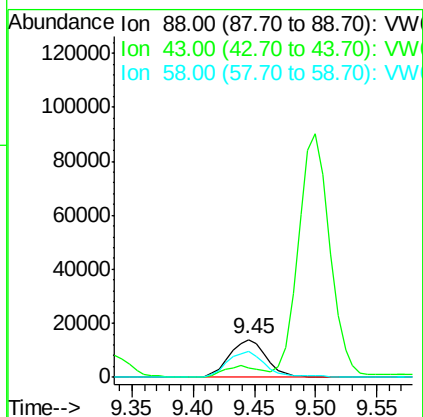
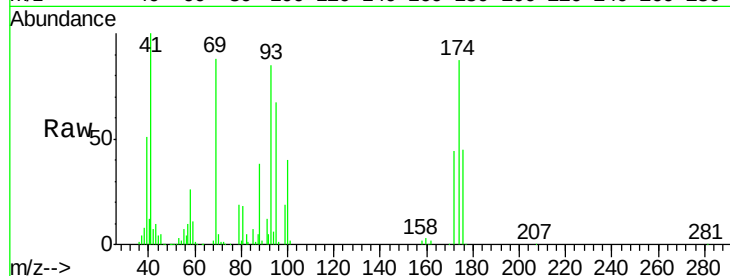
88 100

43 29.4 0.0 0.0#

58 68.6 65.4 98.0

Manual Integrations
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#50

Toluene-d8

Concen: 56.587 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013373.D

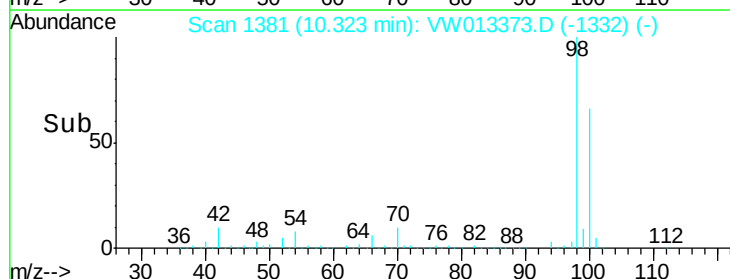
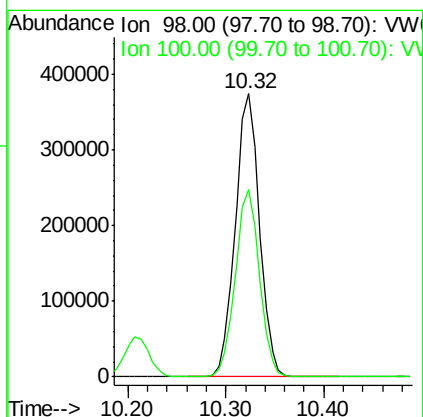
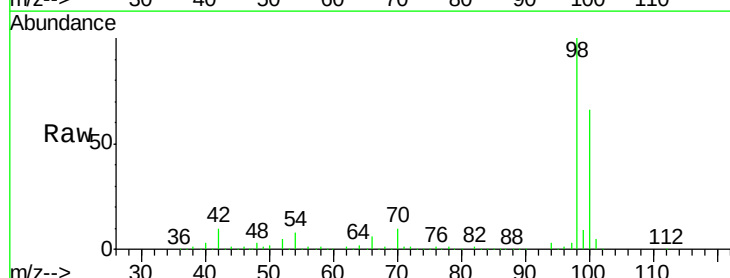
Acq: 01 Oct 2019 17:45

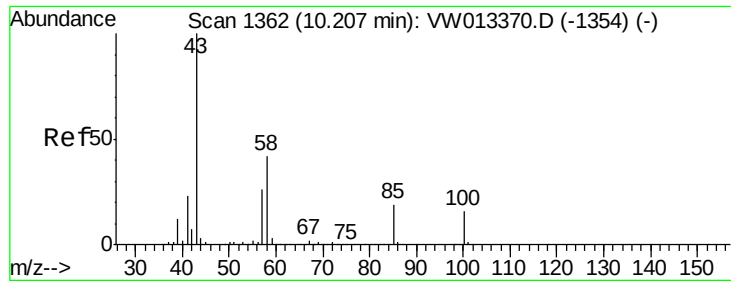
Tgt Ion: 98 Resp: 641699

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3





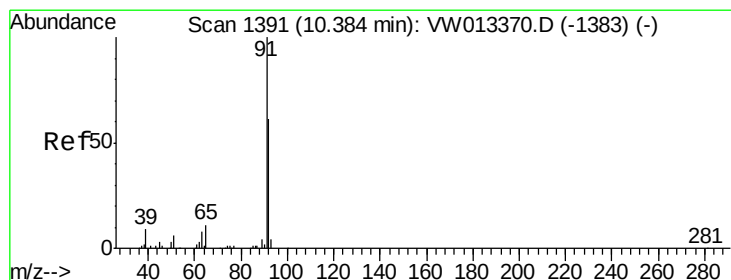
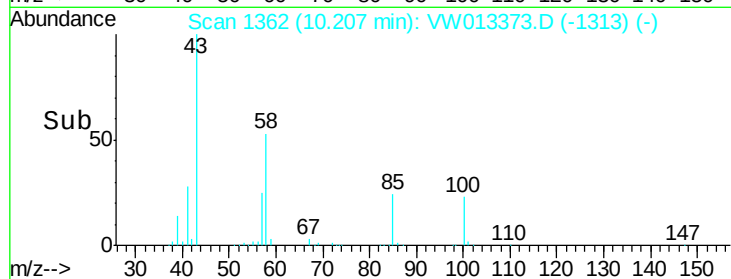
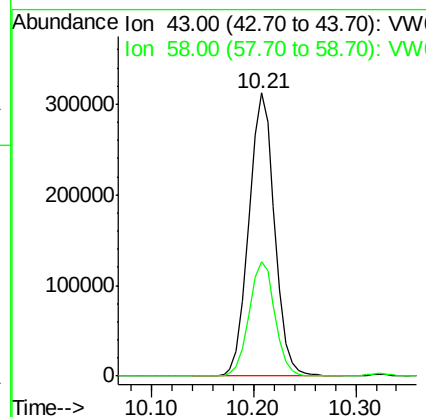
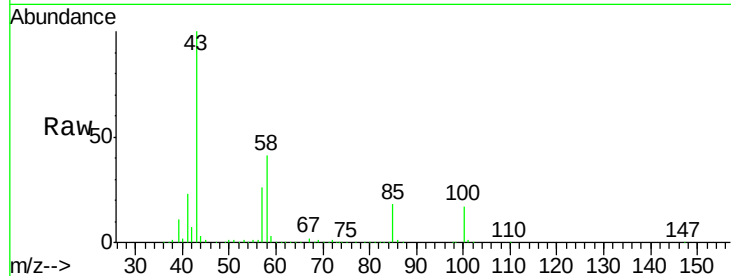
#51
4-Methyl-2-Pentanone
Concen: 258.977 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW0100119

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.8		31.7	47.5	

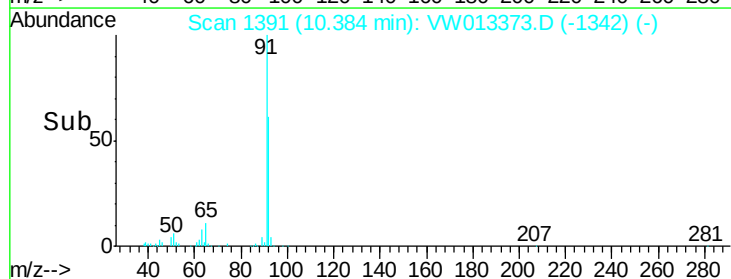
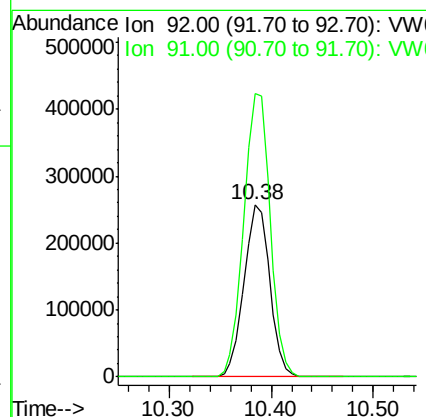
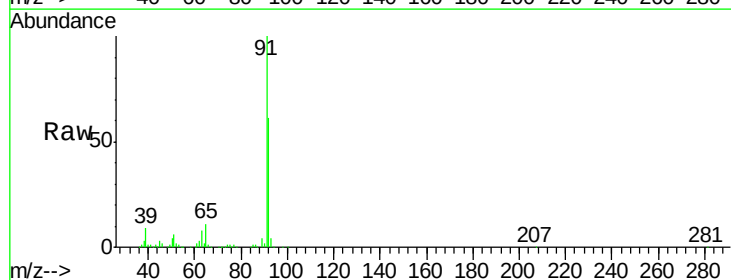
Manual Integrations
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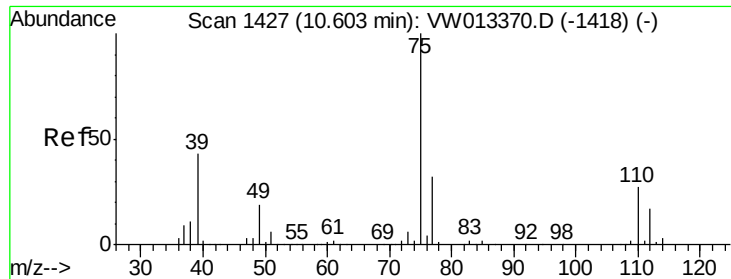
MMDadoda
10/7/2019 8:22:56 AM



#52
Toluene
Concen: 50.976 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	168.7		135.7	203.5	





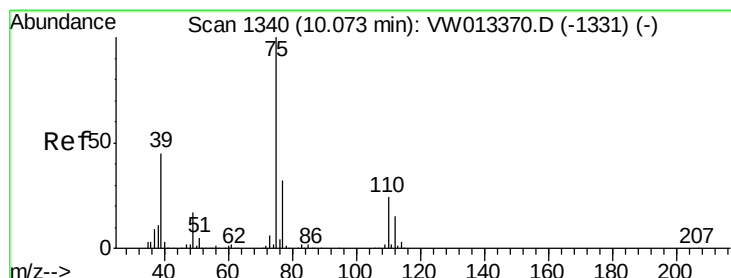
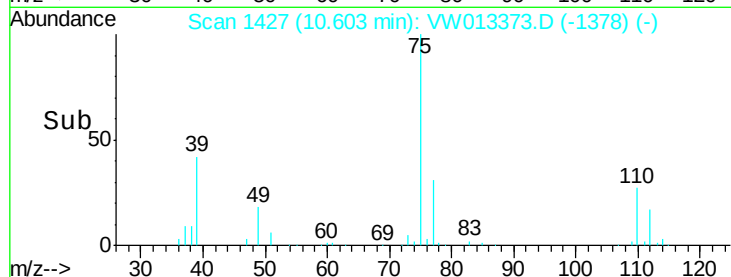
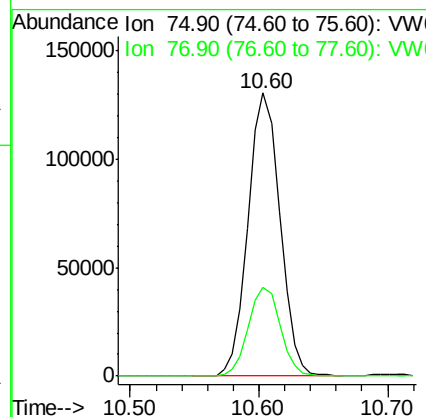
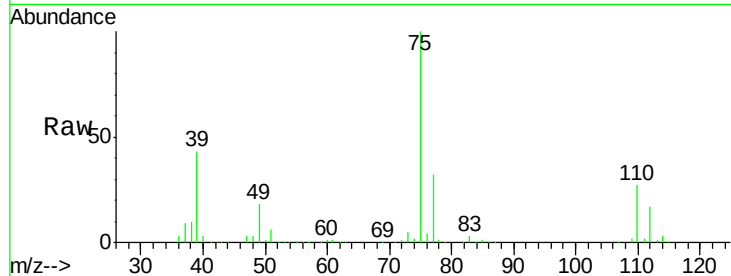
#53
t-1,3-Dichloropropene
Concen: 53.259 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampled :
ICVW100119

Tot Ion	Ratio	Resp	Lower	Upper
75	100	223315		
77	31.5	25.5	38.3	

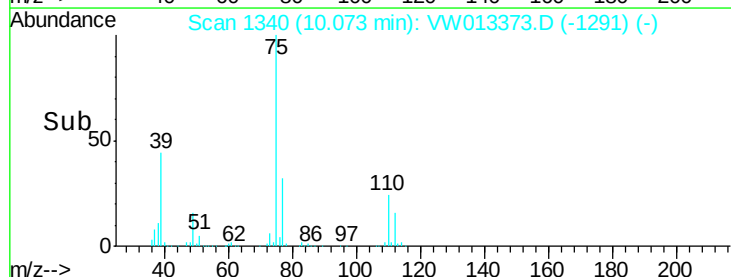
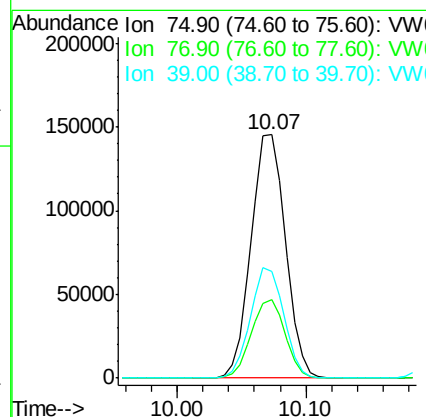
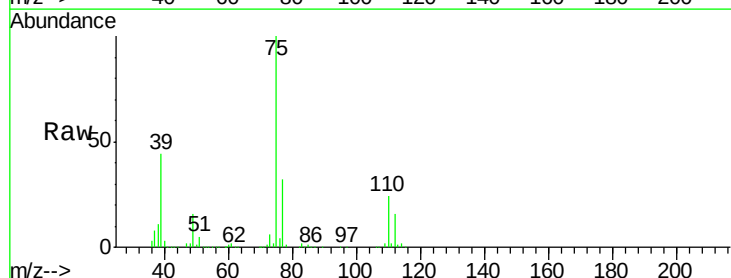
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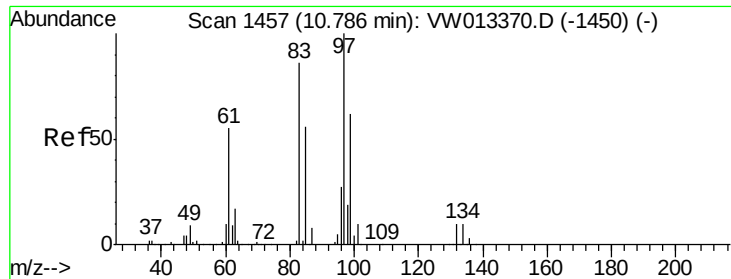
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.771 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	268274		
77	32.2	25.2	37.8	
39	44.0	36.6	55.0	





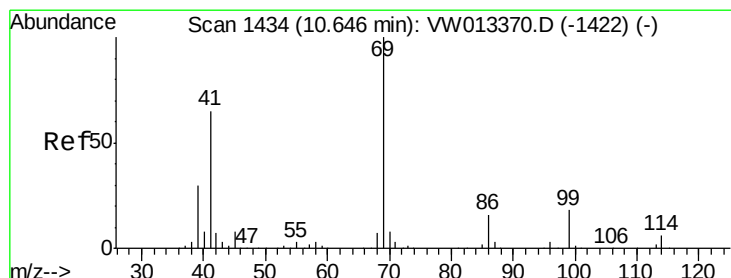
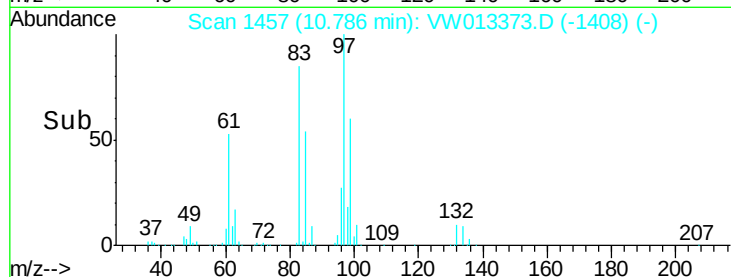
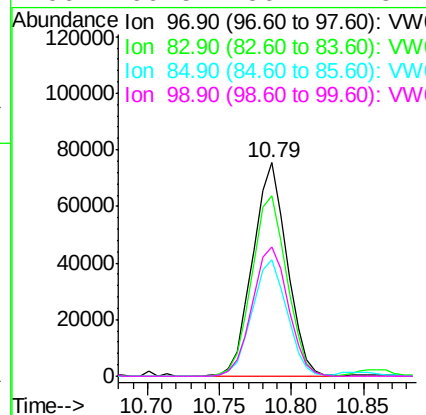
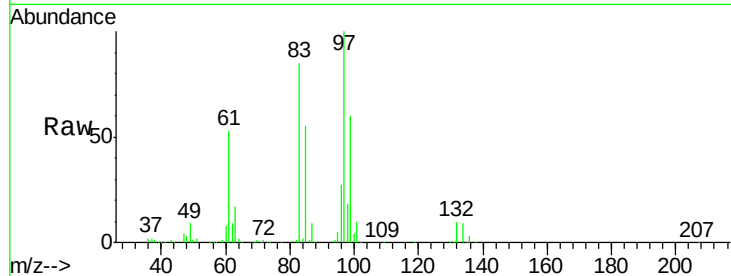
#55
 1,1,2-Trichloroethane
 Concen: 50.951 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW100119

Tot Ion	97	Resp	124463
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.6	101.4
85	54.5	41.9	62.9
99	60.5	50.1	75.1

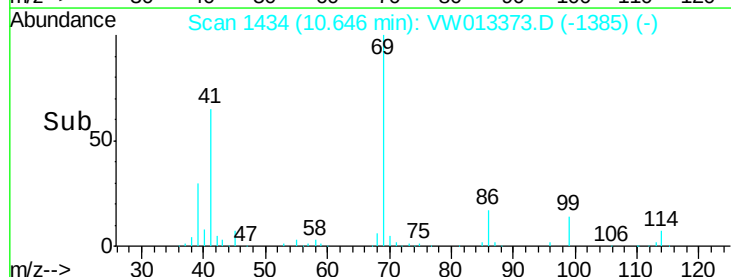
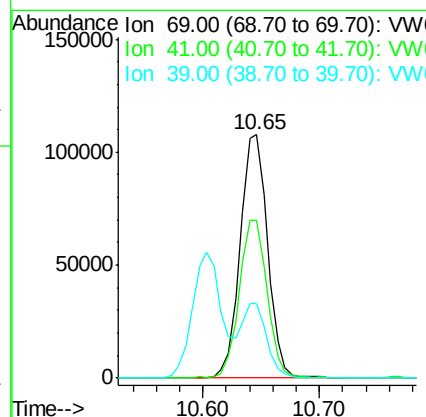
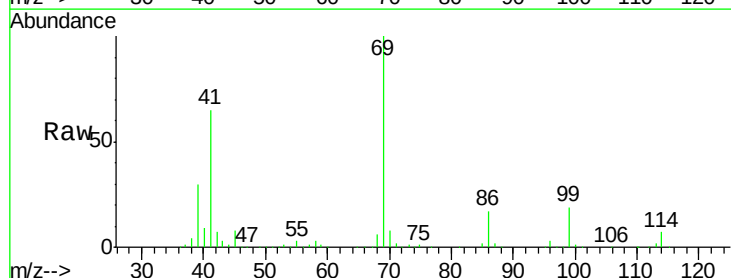
Manual Integrations
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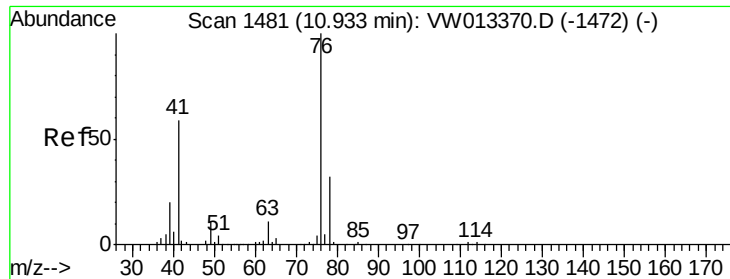
MMDadoda
 10/7/2019 8:22:56 AM



#56
 Ethyl methacrylate
 Concen: 54.087 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	69	Resp	177838
Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.9	80.9
39	26.8	23.8	35.6





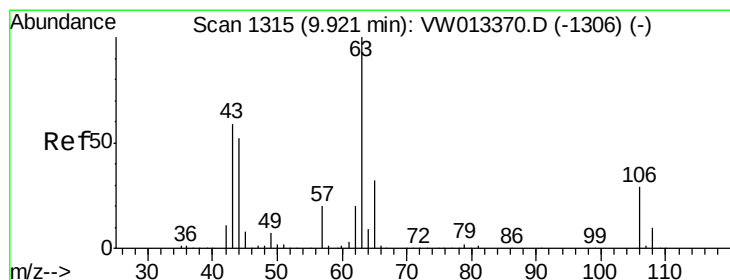
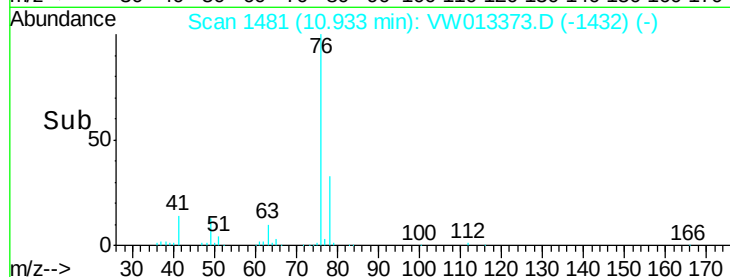
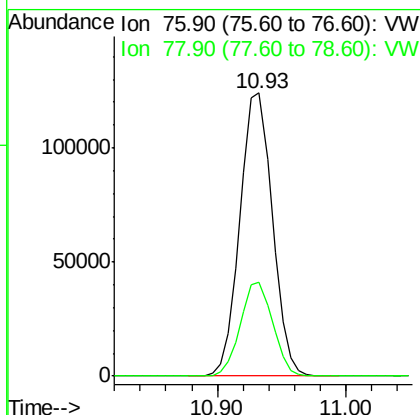
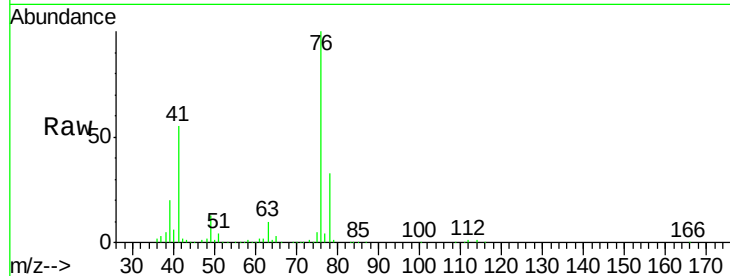
#57
 1,3-Dichloropropane
 Concen: 51.054 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW100119

Tot Ion: 76 Resp: 216809
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.5 38.3

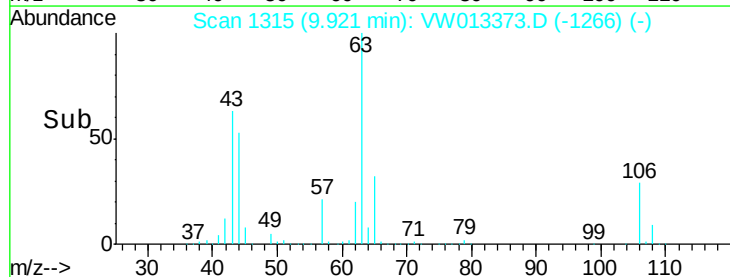
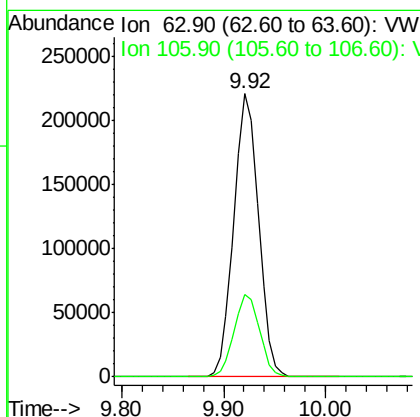
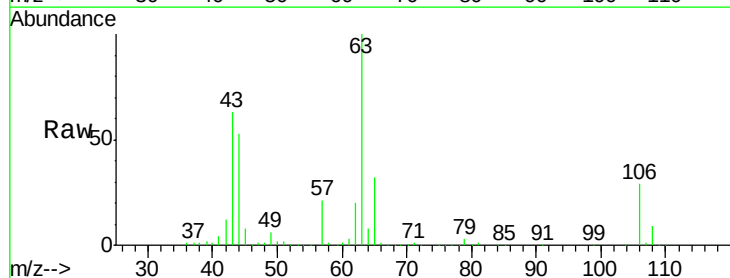
Manual Integrations
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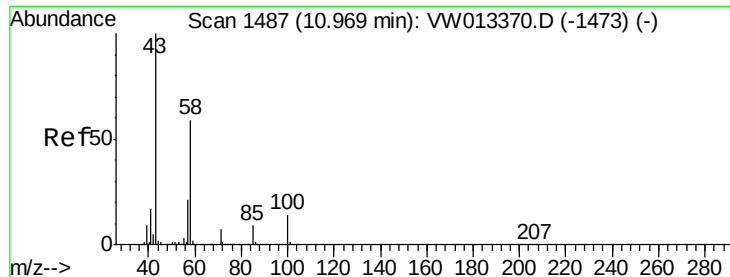
MMDadoda
 10/7/2019 8:22:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.098 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion: 63 Resp: 370205
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.4 35.0





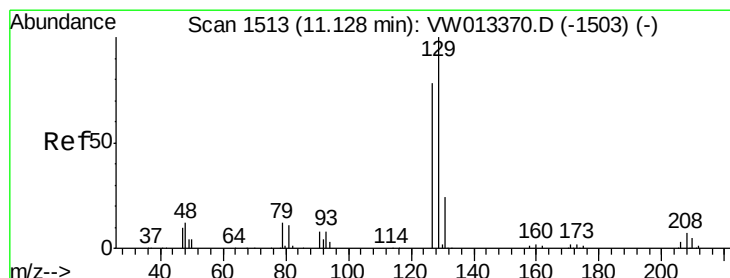
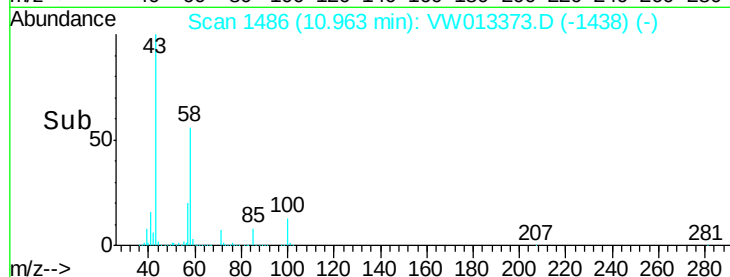
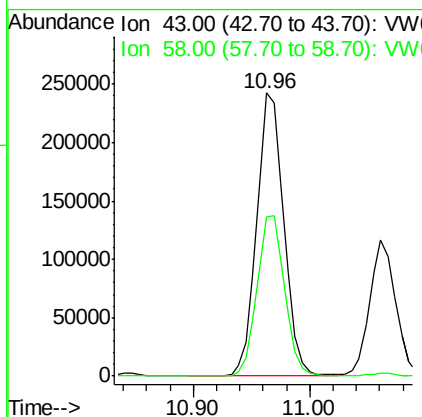
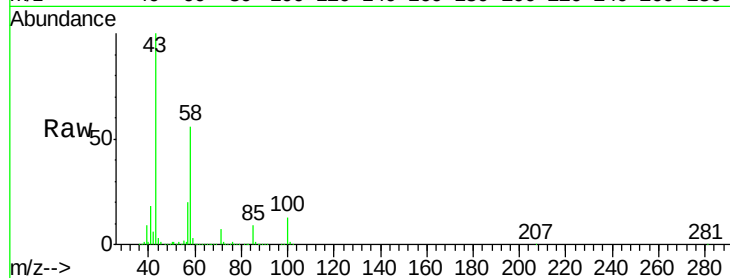
#59
2-Hexanone
Concen: 270.483 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion: 43 Resp: 395765
Ion Ratio Lower Upper
43 100
58 57.9 28.1 84.2

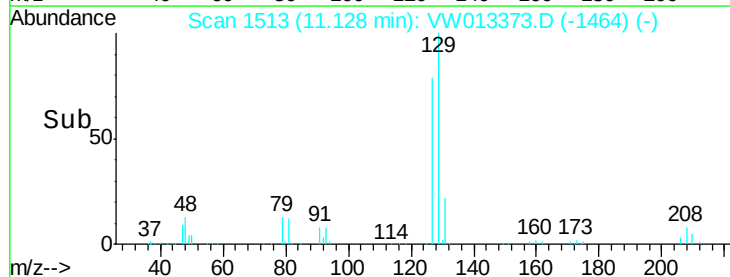
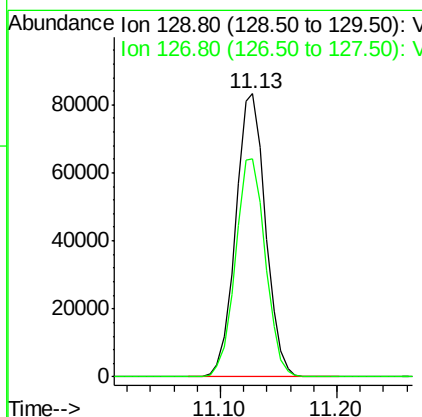
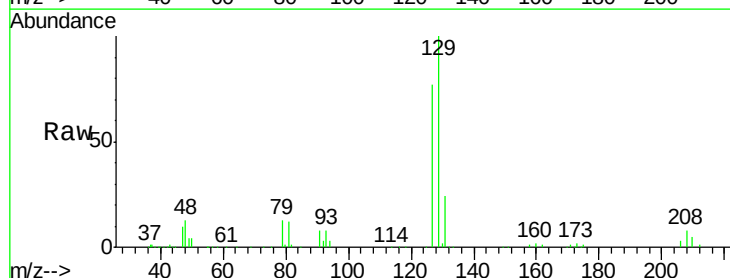
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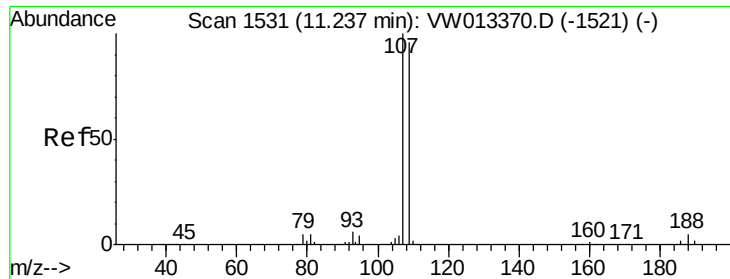
MMDadoda
10/7/2019 8:22:56 AM



#60
Dibromochloromethane
Concen: 53.141 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion: 129 Resp: 148507
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





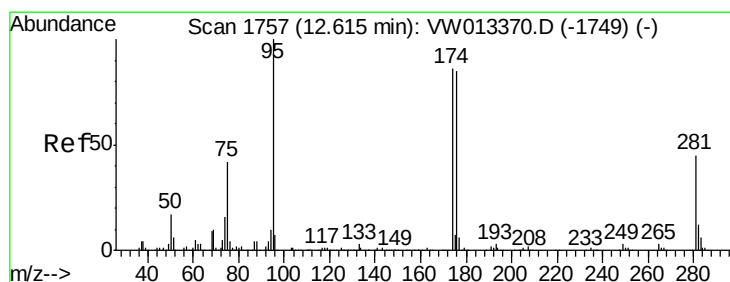
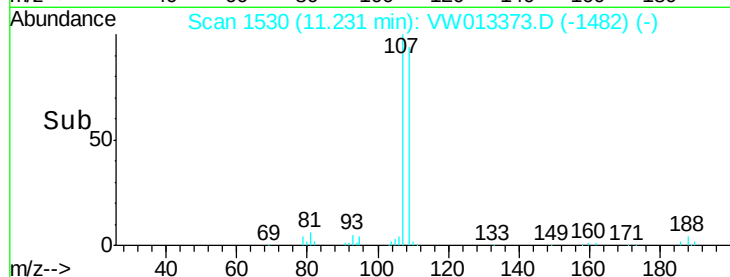
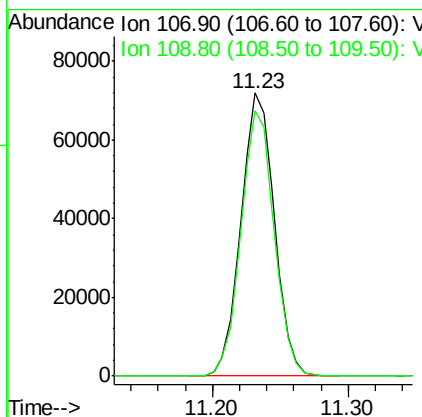
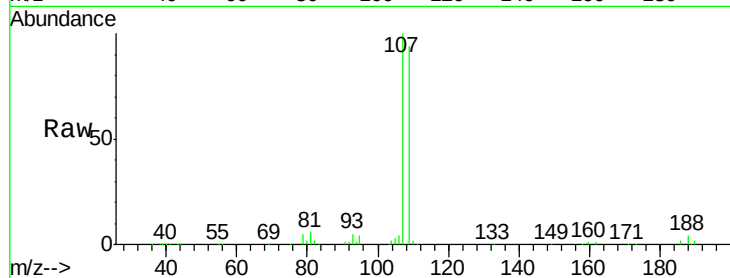
#61
 1,2-Dibromoethane
 Concen: 52.149 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.2	112.8

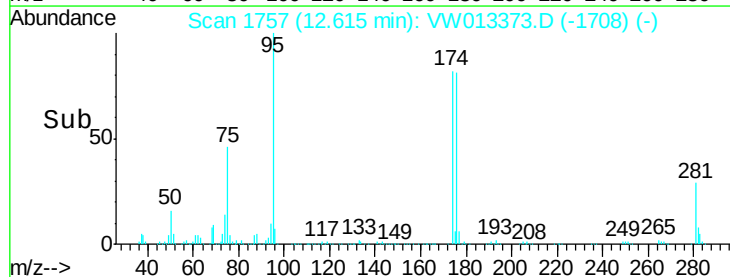
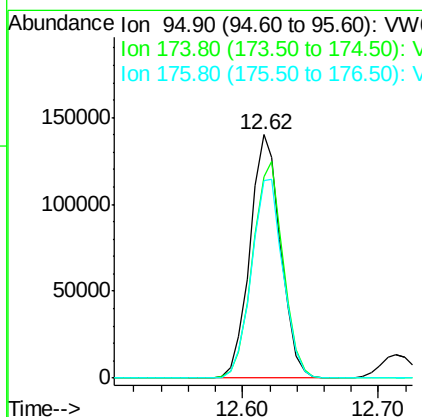
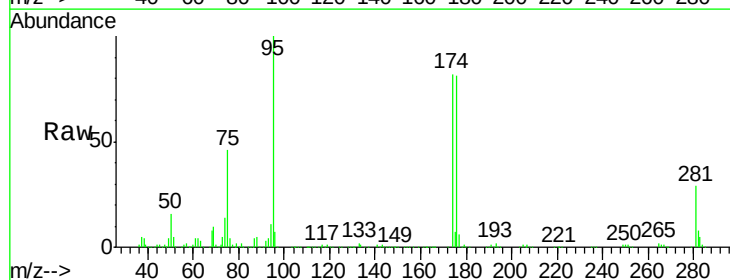
Manual Integrations
 APPROVED

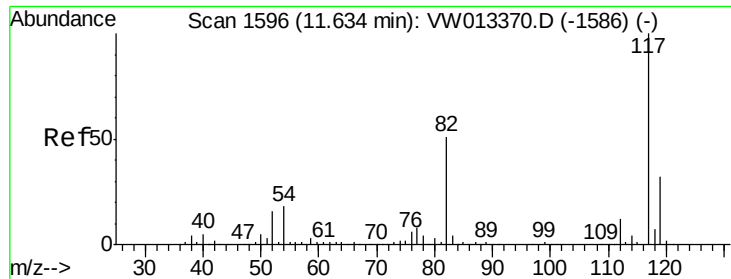
MMDadoda
 10/7/2019 8:22:56 AM



#62
 4-Bromofluorobenzene
 Concen: 58.192 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	178.4
176	84.7	0.0	172.2





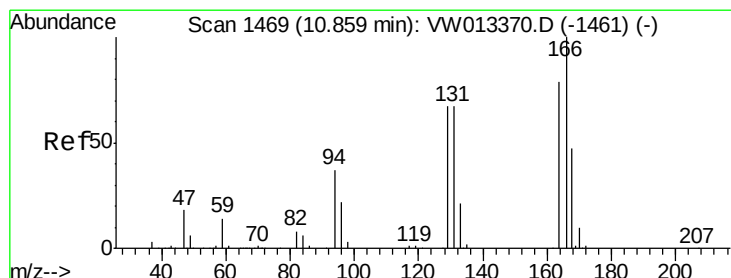
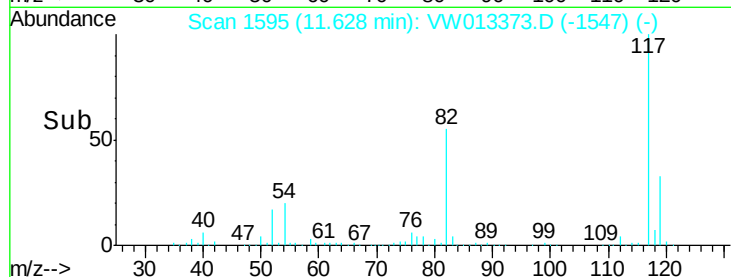
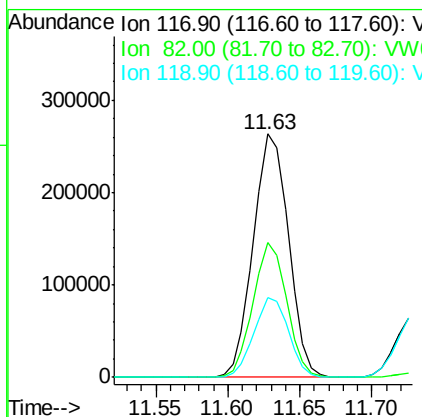
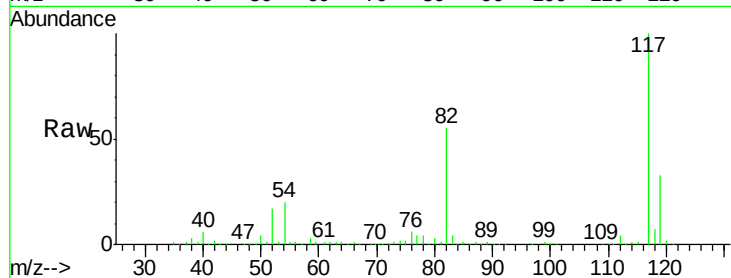
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.9	68.9
119	32.7	26.2	39.2

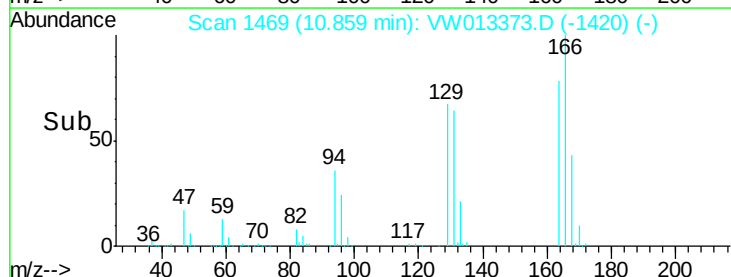
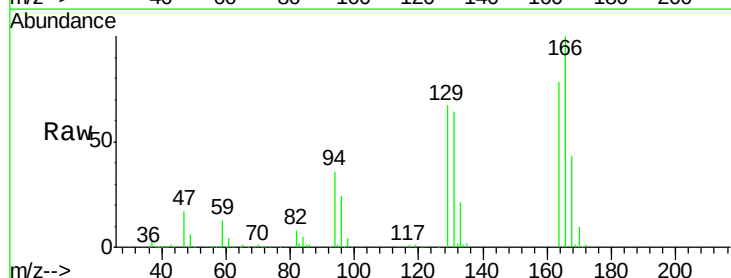
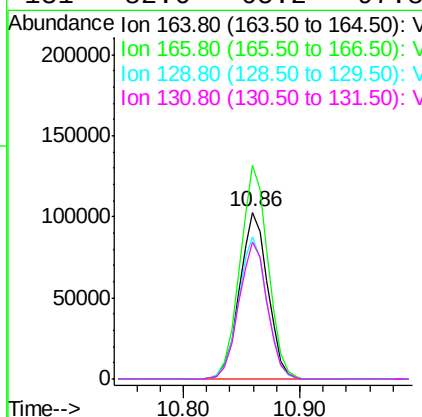
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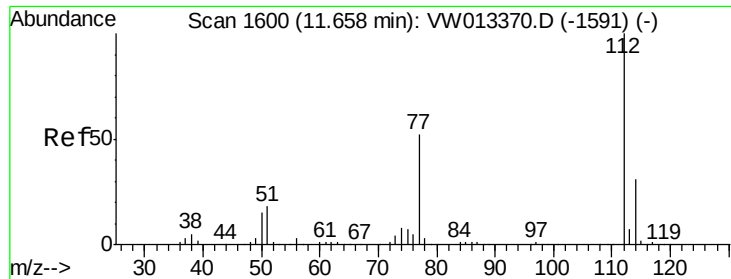
MMDadoda
10/7/2019 8:22:56 AM



#64
Tetrachloroethene
Concen: 50.880 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.2	151.8
129	85.7	68.8	103.2
131	82.6	65.2	97.8





#65

Chlorobenzene

Concen: 50.172 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW100119

Tot Ion:112 Resp: 458494

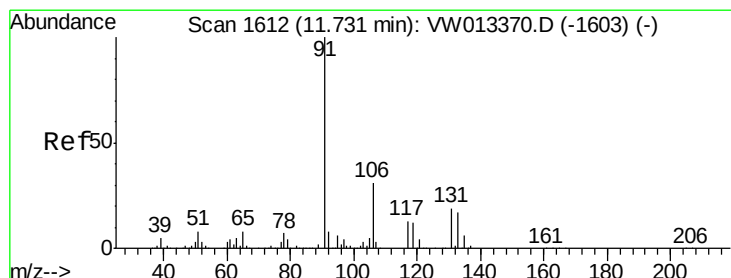
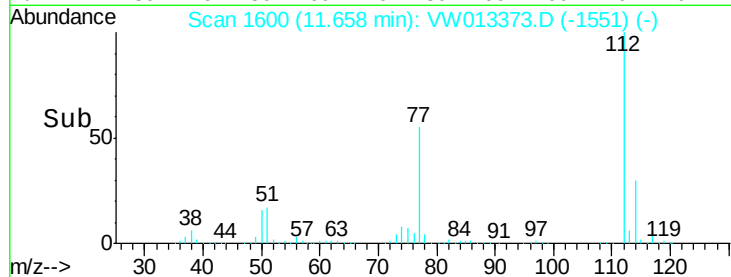
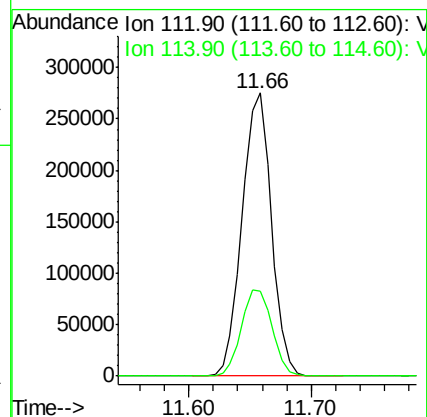
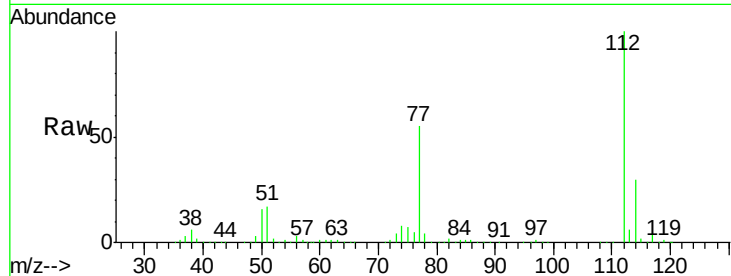
Ion Ratio Lower Upper

112 100

114 30.2 26.5 39.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.081 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

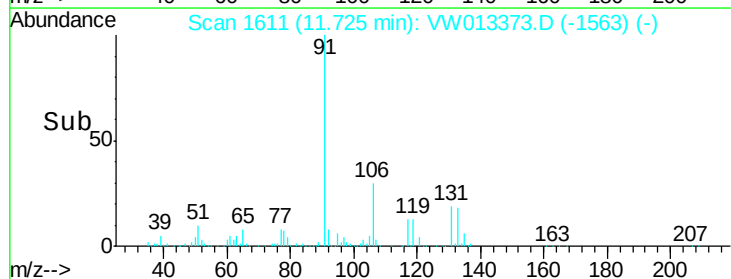
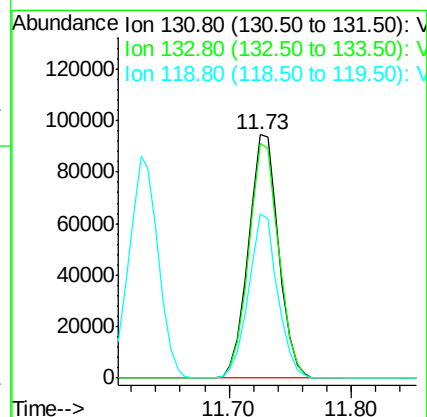
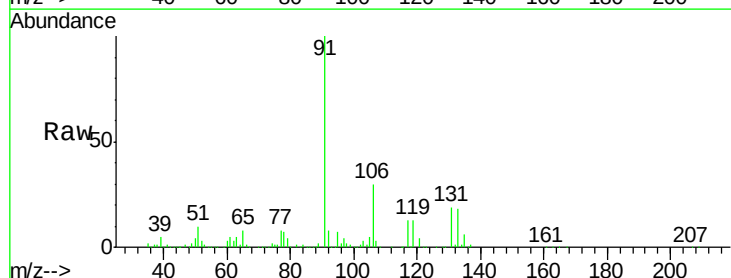
Tgt Ion:131 Resp: 162101

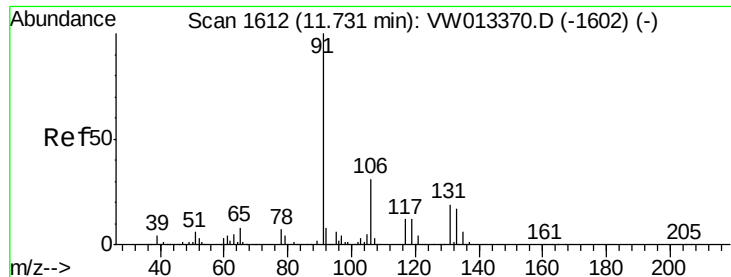
Ion Ratio Lower Upper

131 100

133 95.8 47.5 142.6

119 65.0 32.5 97.5





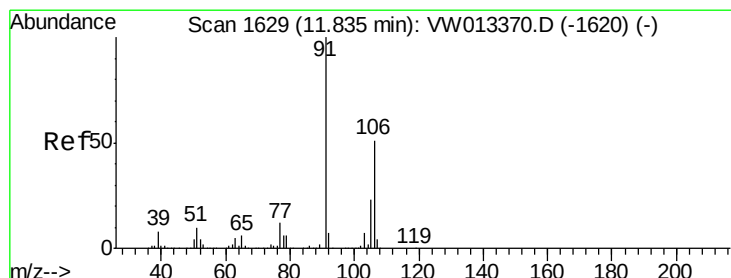
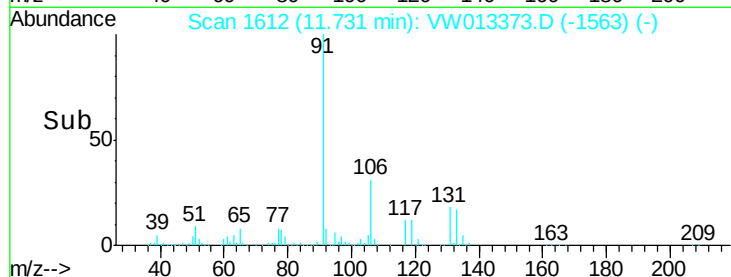
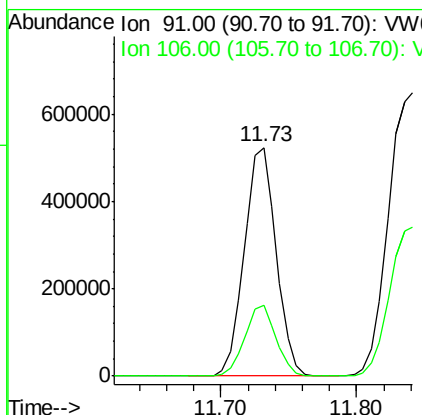
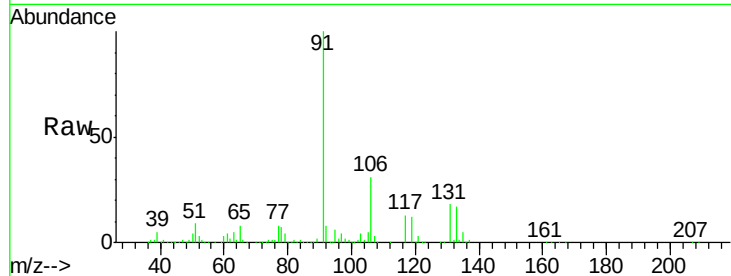
#67
Ethyl Benzene
Concen: 52.433 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion: 91 Resp: 858753
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

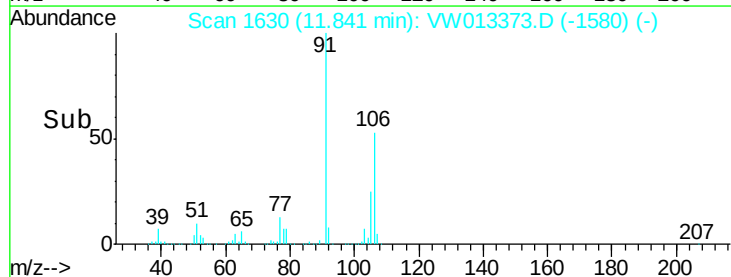
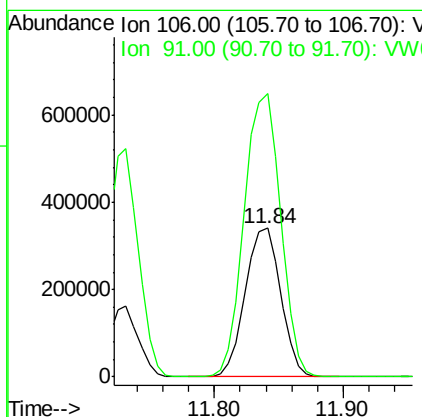
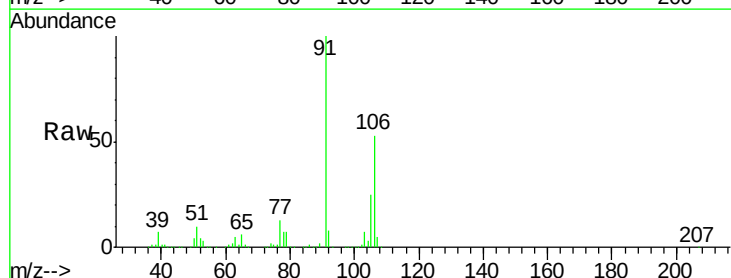
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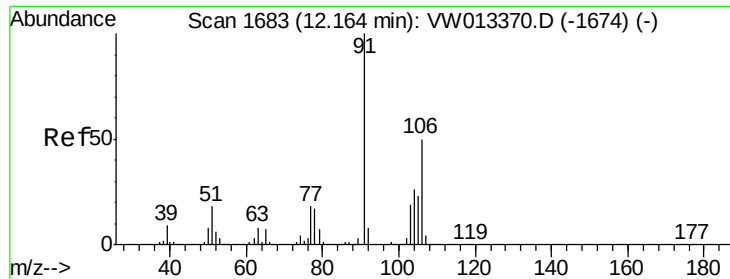
MMDadoda
10/7/2019 8:22:56 AM



#68
m/p-Xylenes
Concen: 102.530 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion: 106 Resp: 648176
Ion Ratio Lower Upper
106 100
91 195.9 157.9 236.9





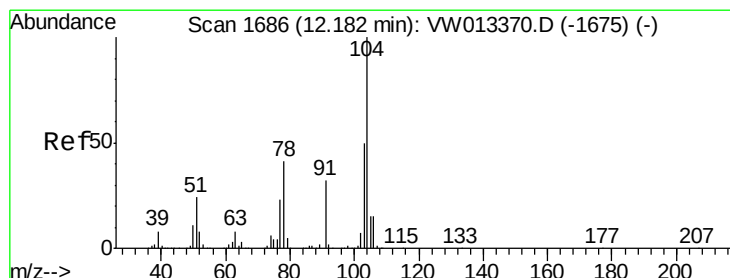
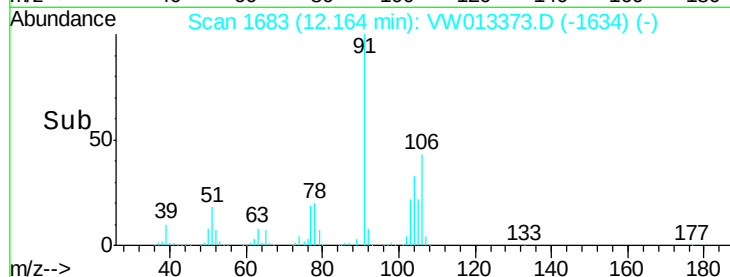
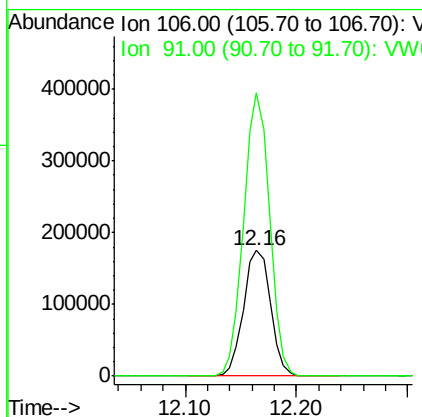
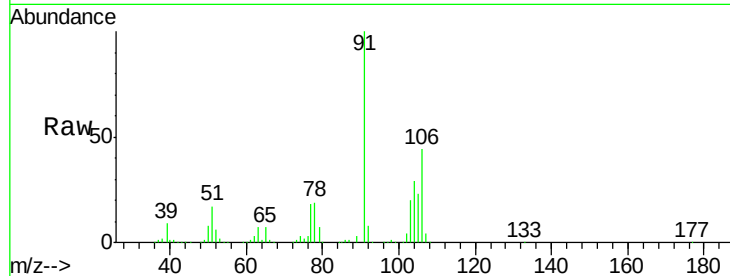
#69
o-Xylene
Concen: 50.806 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		296966		
91	215.8	106.5	319.5		

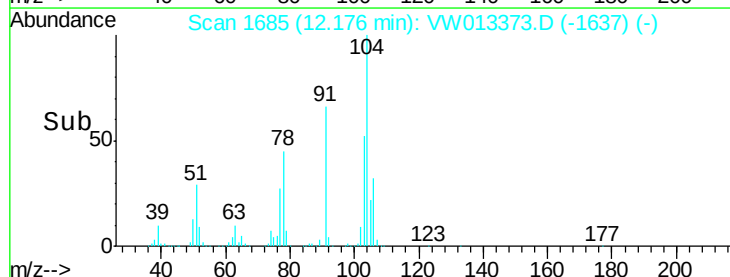
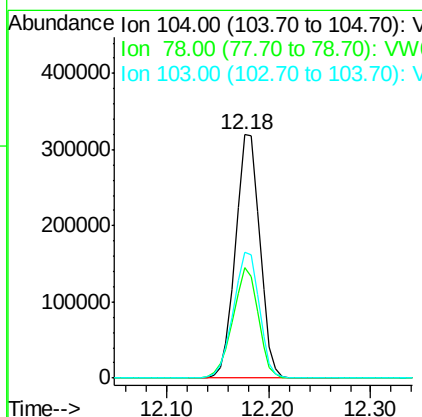
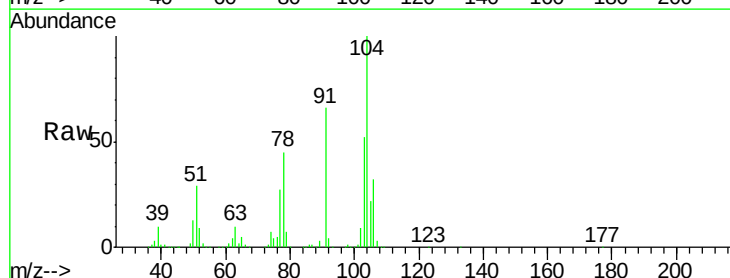
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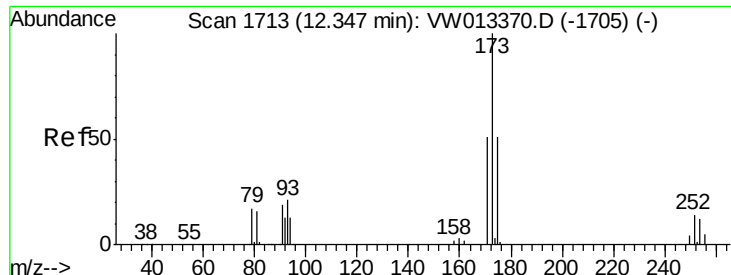
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#70
Styrene
Concen: 52.582 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		525388		
78	47.5	38.4	57.6		
103	55.3	43.3	64.9		





#71

Bromoform

Concen: 54.375 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW100119

Tot Ion:173 Resp: 91758

Ion Ratio Lower Upper

173 100

175 47.4 24.3 73.0

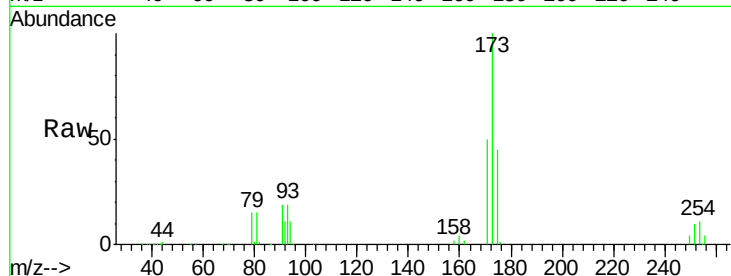
254 0.1 0.1 0.1

Manual Integrations

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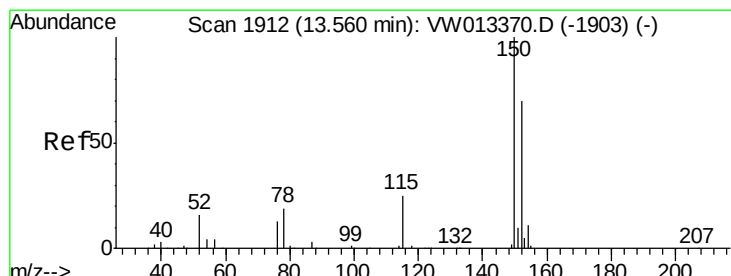
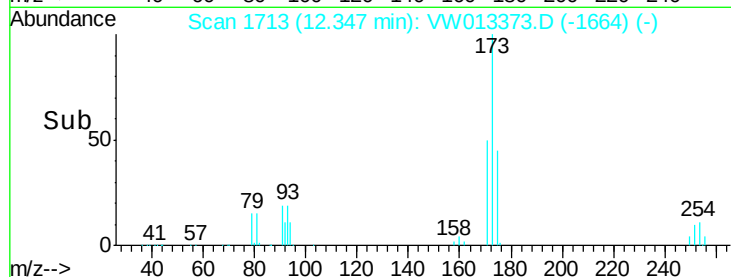
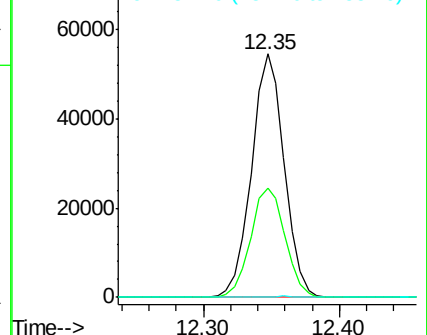
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

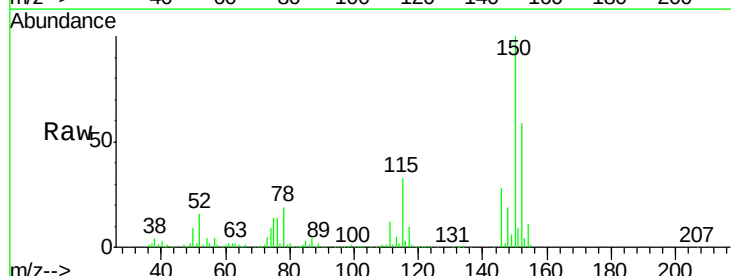
Tgt Ion:152 Resp: 221130

Ion Ratio Lower Upper

152 100

115 56.8 27.3 81.9

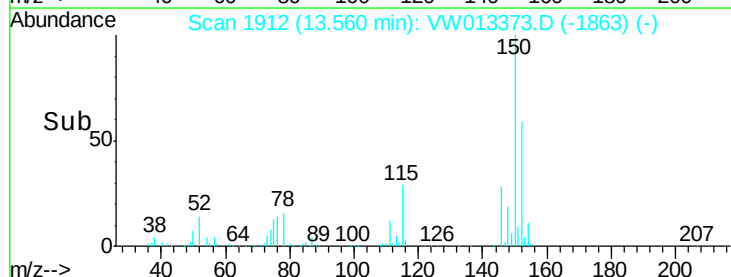
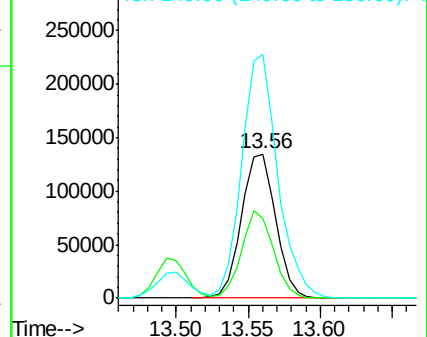
150 178.9 0.0 349.0

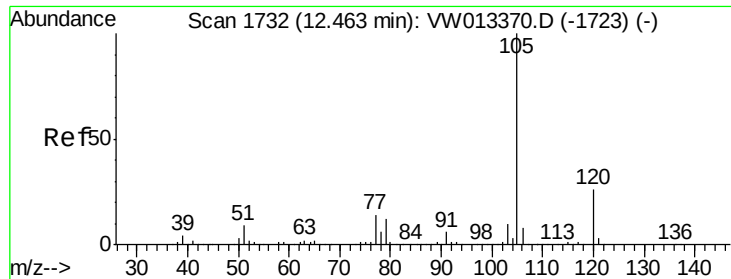


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.198 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

ICVW100119

Tot Ion: 105 Resp: 811959

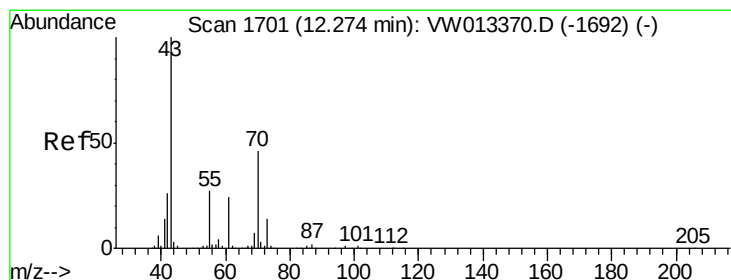
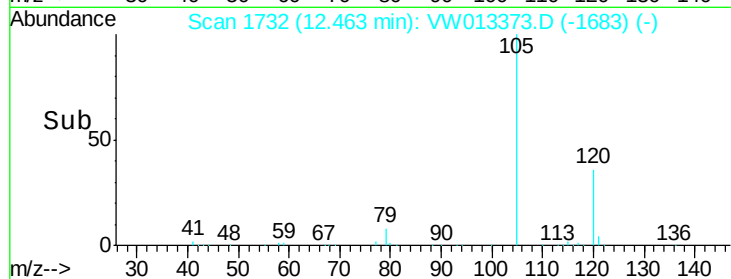
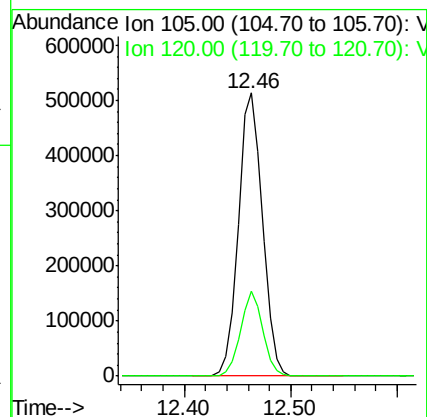
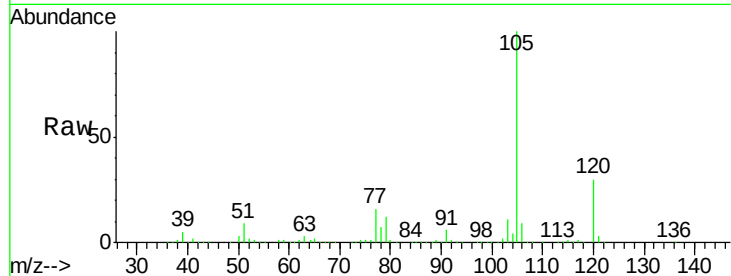
Ion Ratio Lower Upper

105 100

120 27.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 55.403 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion: 43 Resp: 190719

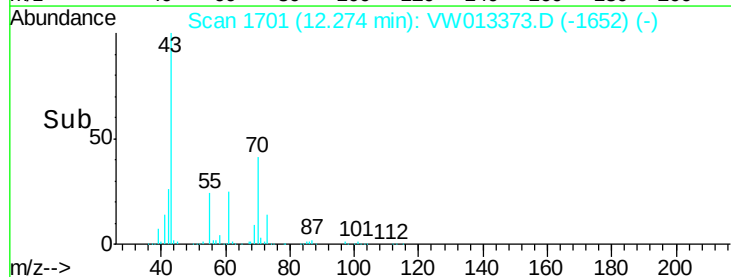
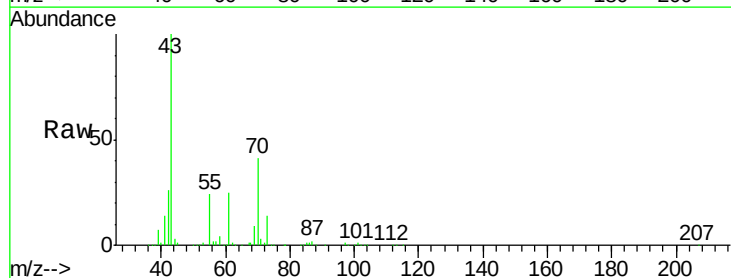
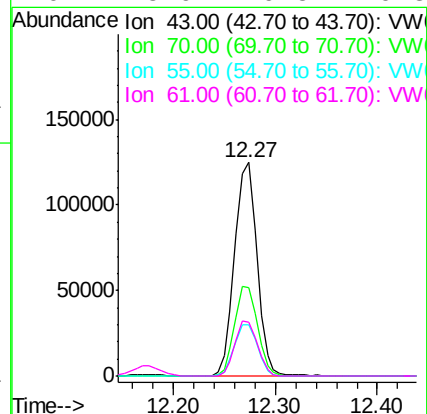
Ion Ratio Lower Upper

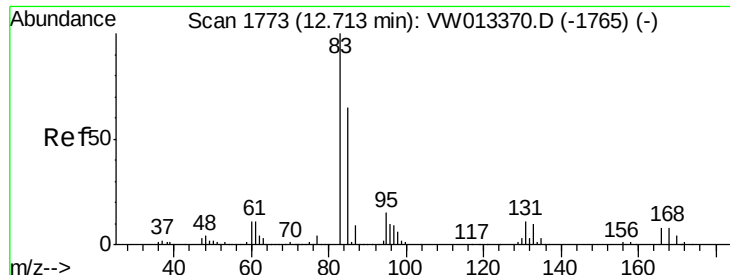
43 100

70 43.3 35.1 52.7

55 25.1 19.9 29.9

61 25.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.735 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

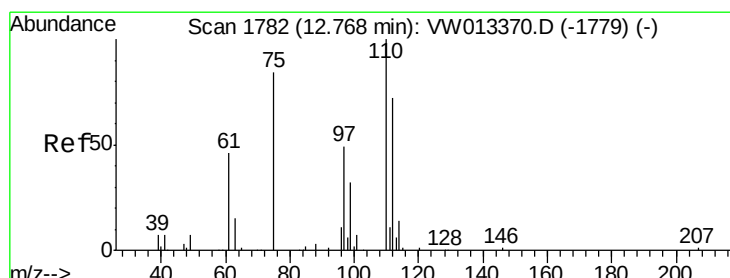
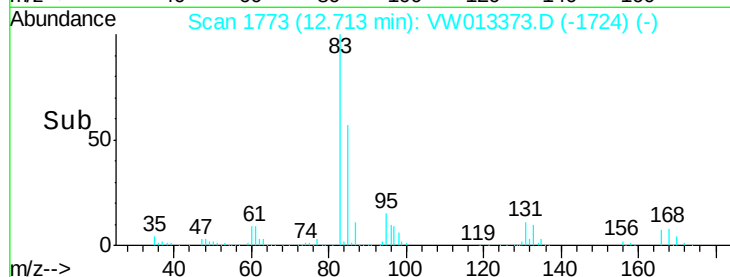
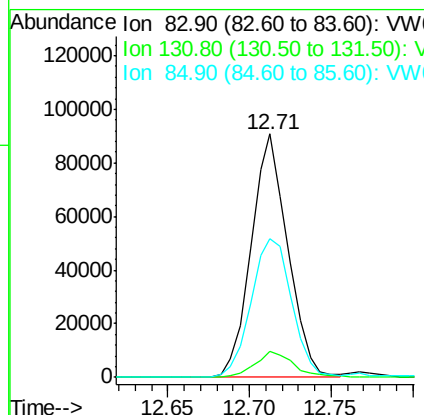
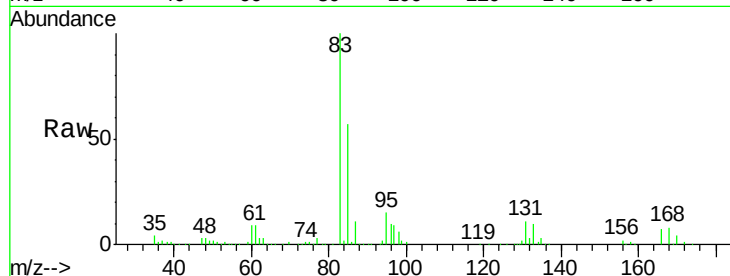
ClientSampleId :

ICVW100119

Tot Ion:	83	Resp:	141639
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	63.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.486 ug/l m

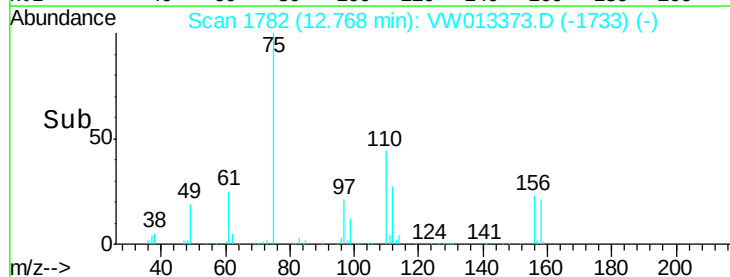
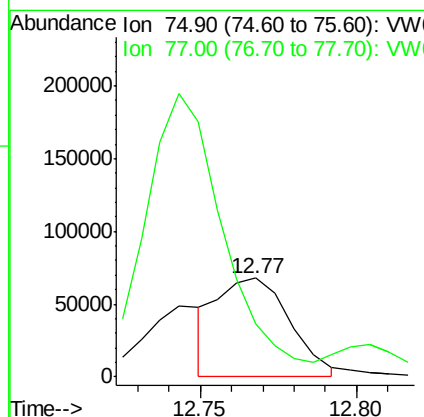
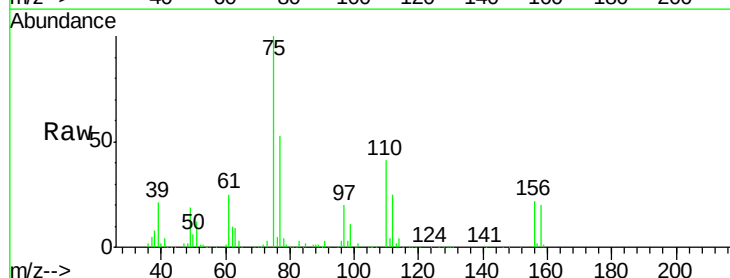
RT: 12.77 min Scan# 1782

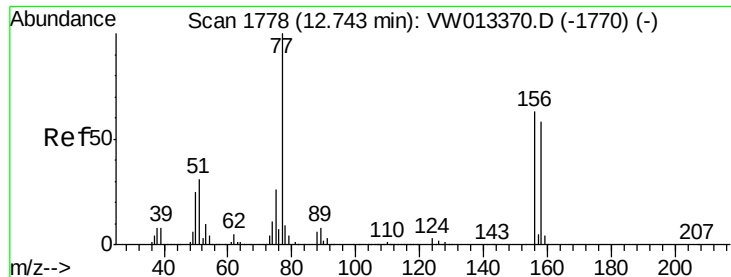
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	75	Resp:	109049
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.330 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Instrument :

MSVOA_W

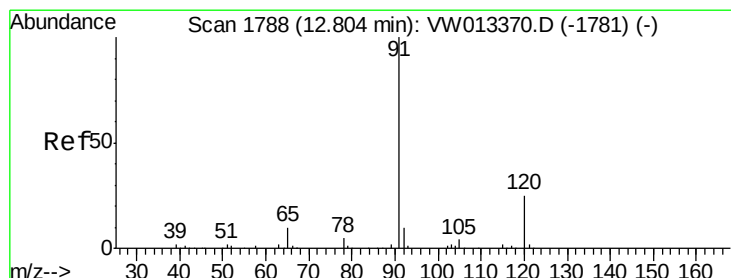
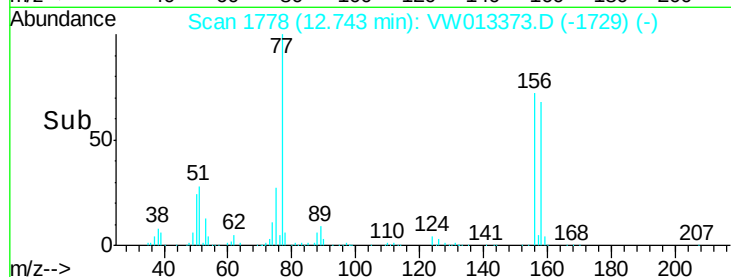
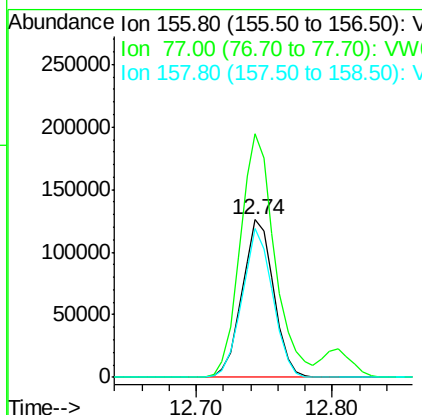
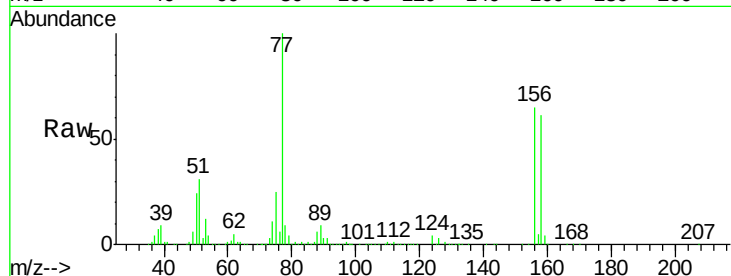
ClientSampleId :

ICVW100119

Tot Ion:	156	Resp:	203247
Ion Ratio	Lower	Upper	
156	100		
77	169.8	85.7	257.1
158	91.7	48.1	144.4

Manual Integrations
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10/7/2019 8:22:56 AM



#78

n-propylbenzene

Concen: 53.337 ug/l

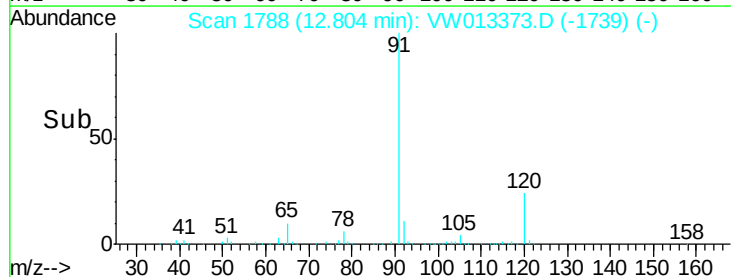
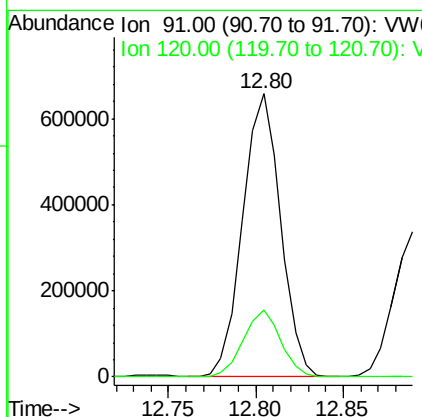
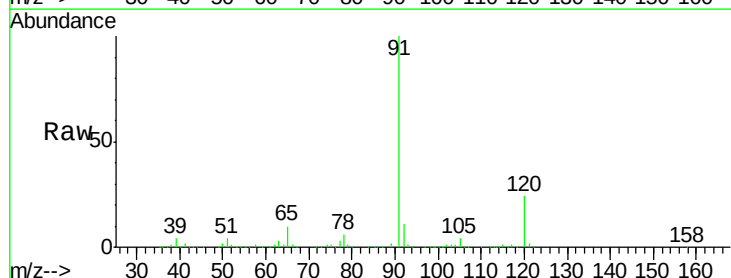
RT: 12.80 min Scan# 1788

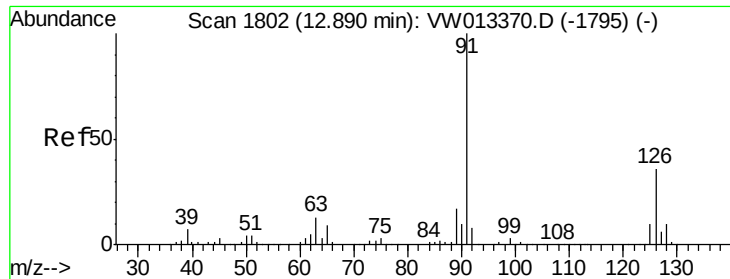
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion:	91	Resp:	992395
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1





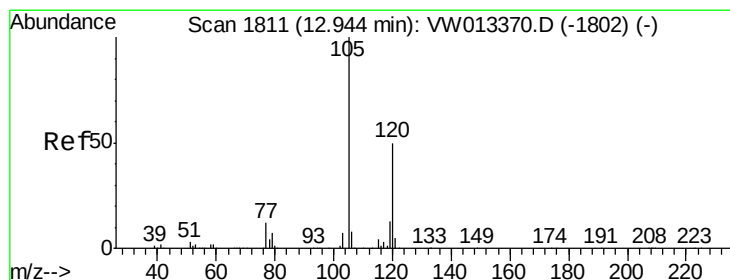
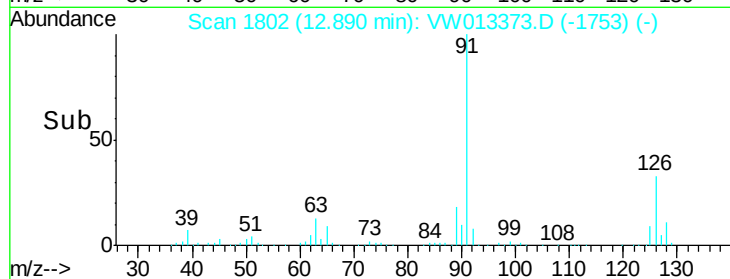
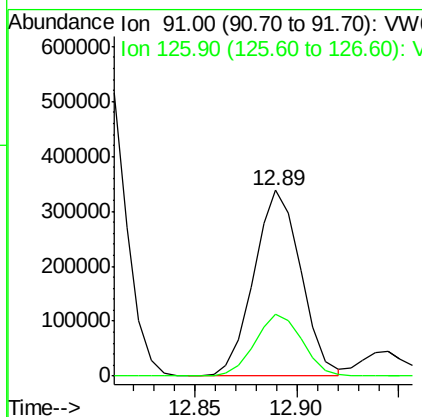
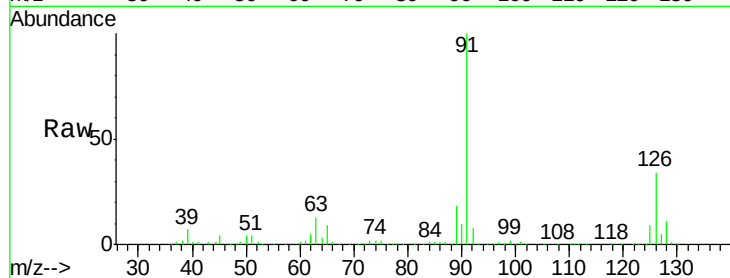
#79
 2-Chlorotoluene
 Concen: 52.505 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Tot Ion: 91 Resp: 542599
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.2 51.5

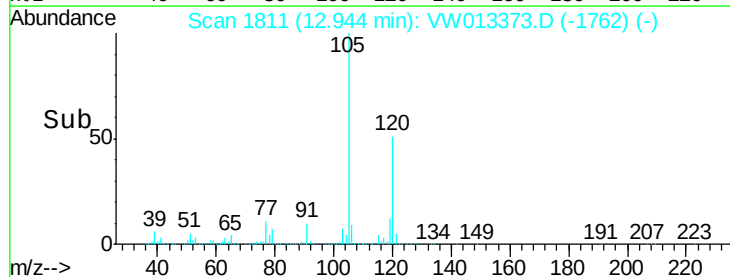
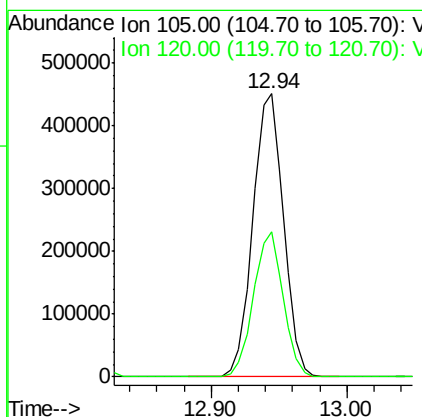
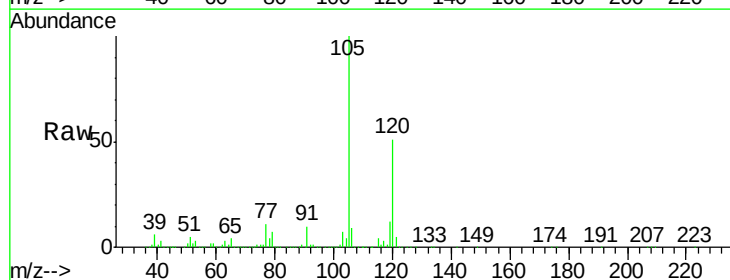
Manual Integrations
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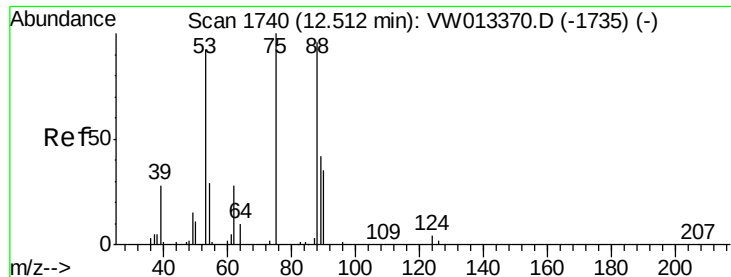
MMDadoda
 10/7/2019 8:22:56 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.039 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion: 105 Resp: 712660
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.8





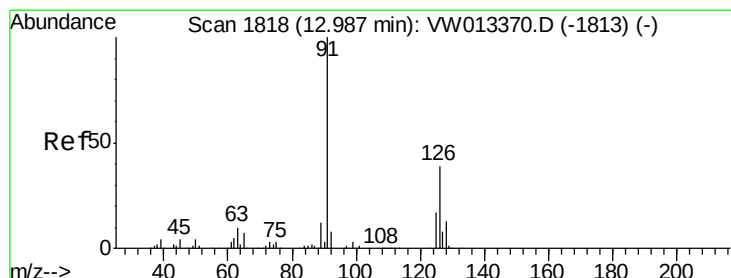
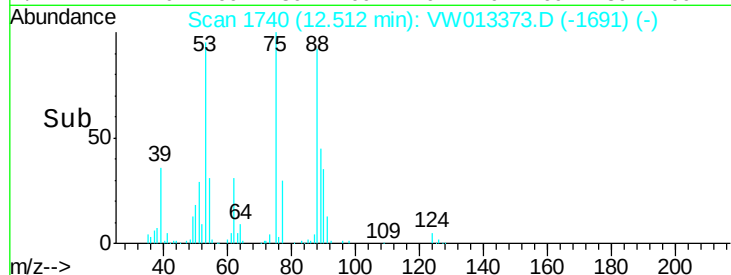
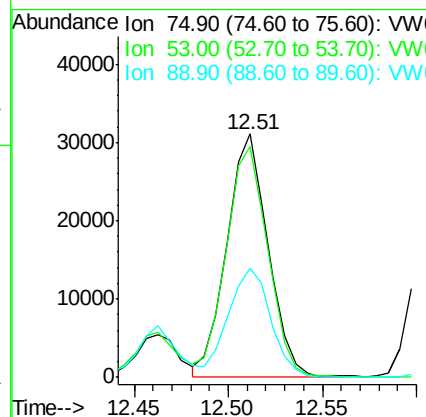
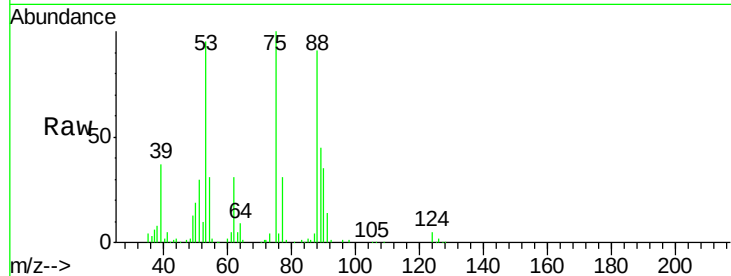
#81
trans-1,4-Dichloro-2-butene
Concen: 50.995 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	76.6	114.8
89	45.5	33.5	50.3

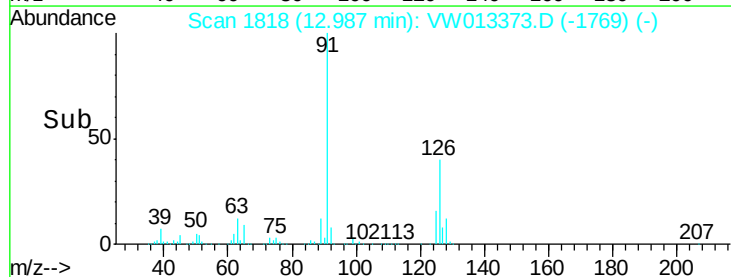
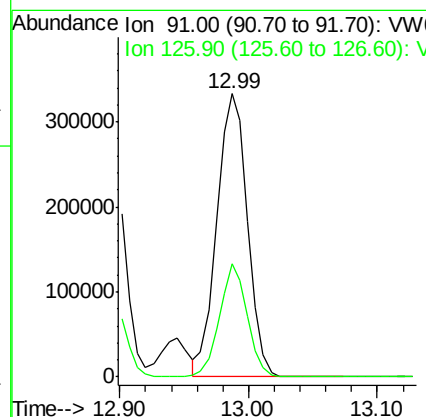
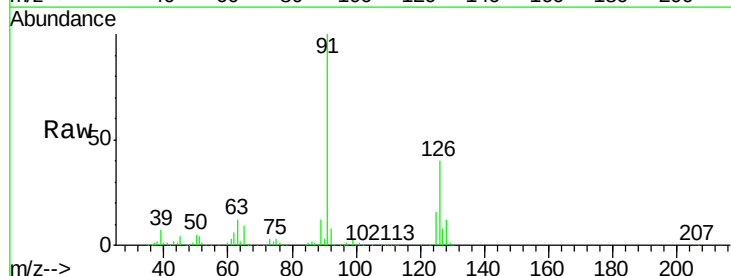
Manual Integrations
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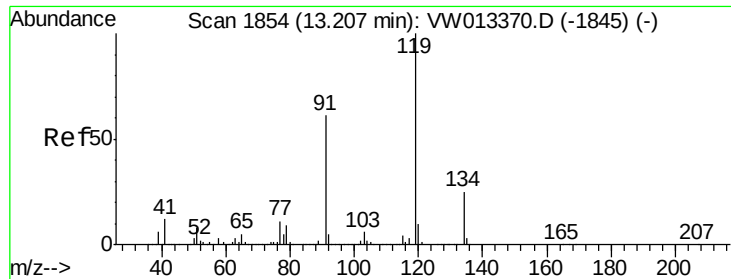
MMDadoda
10/7/2019 8:22:56 AM



#82
4-Chlorotoluene
Concen: 51.091 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.3	51.7





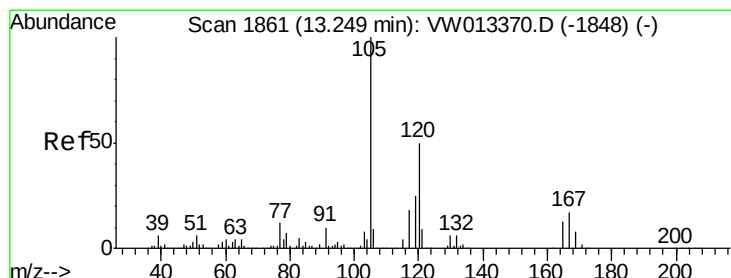
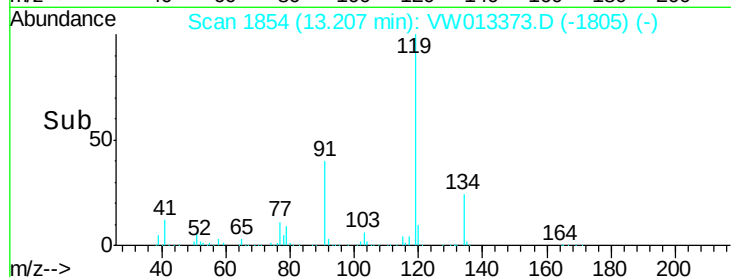
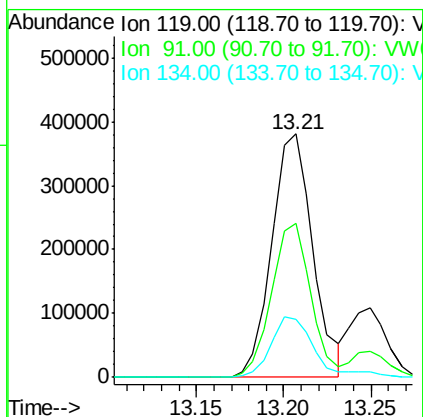
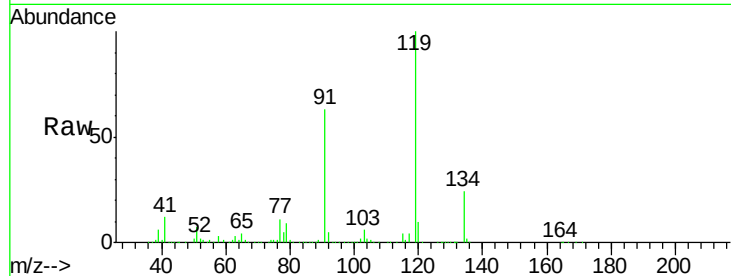
#83
 tert-Butylbenzene
 Concen: 53.116 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.7	92.1
134	26.8	12.6	37.6

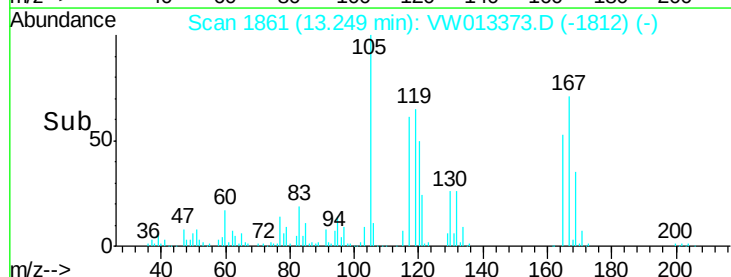
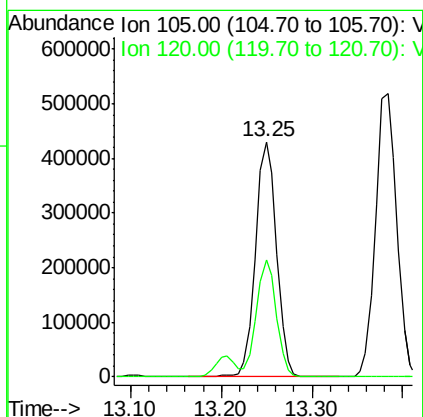
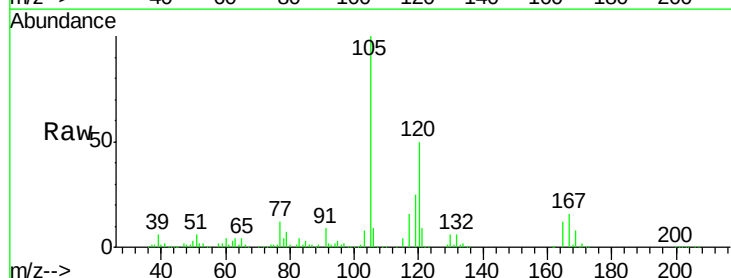
Manual Integrations
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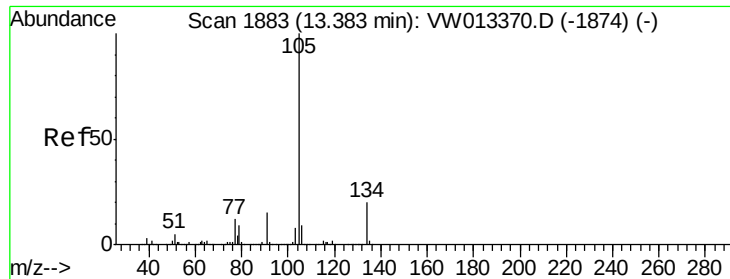
MMDadoda
 10/7/2019 8:22:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.595 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.4	70.3





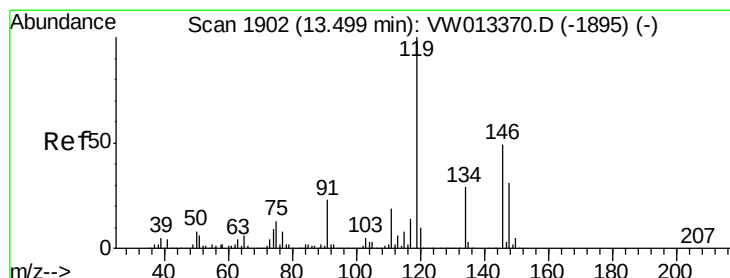
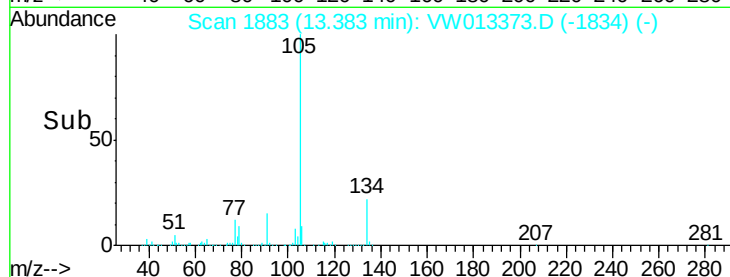
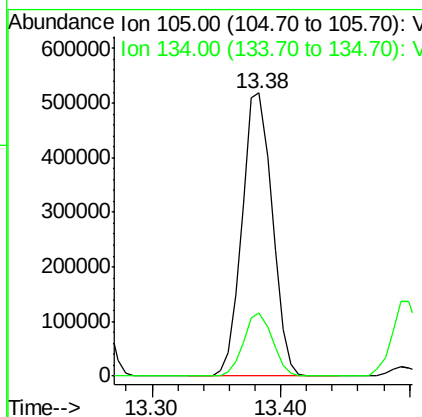
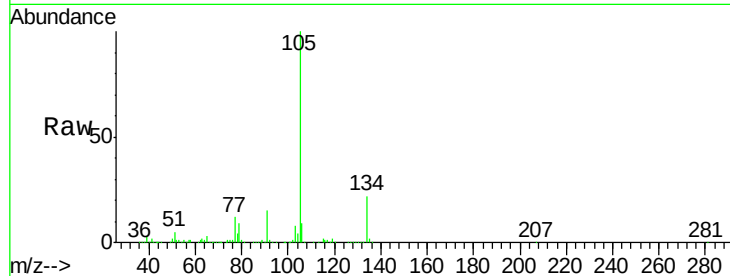
#85
 sec-Butylbenzene
 Concen: 51.779 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW100119

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.3	30.8

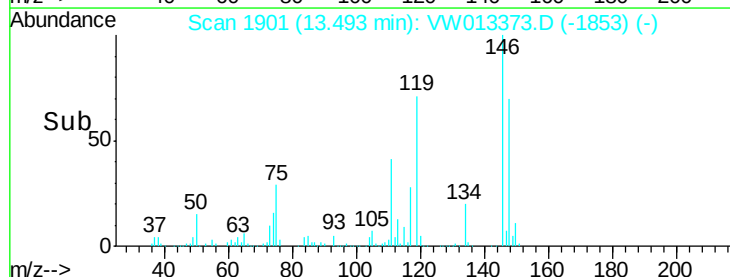
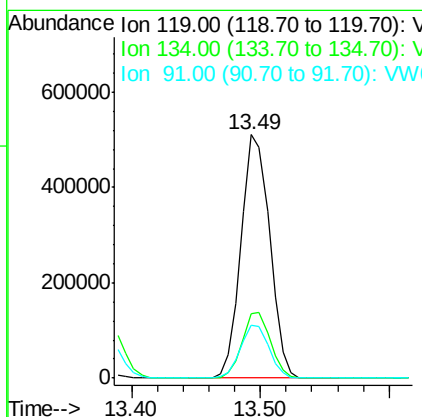
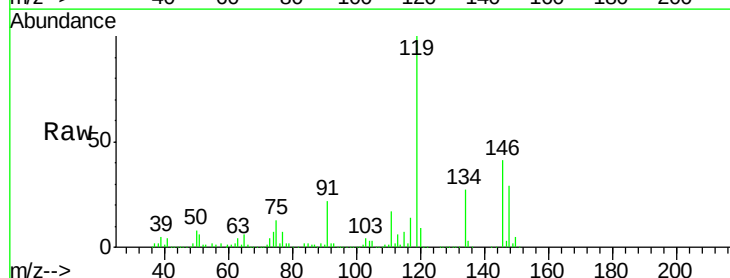
Manual Integrations
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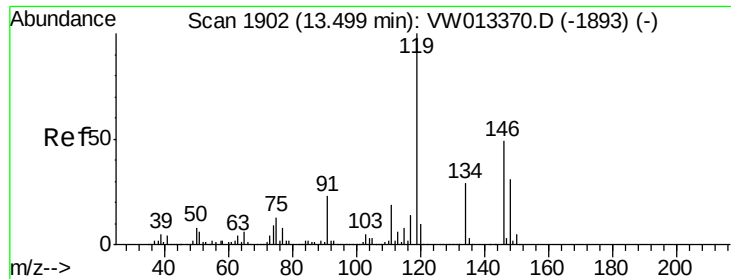
MMDadoda
 10/7/2019 8:22:56 AM



#86
 p-Isopropyltoluene
 Concen: 52.456 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.7	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 50.914 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

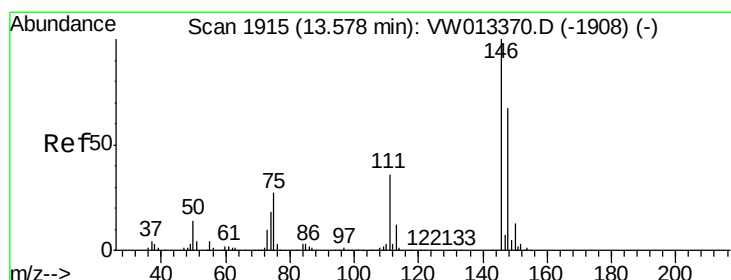
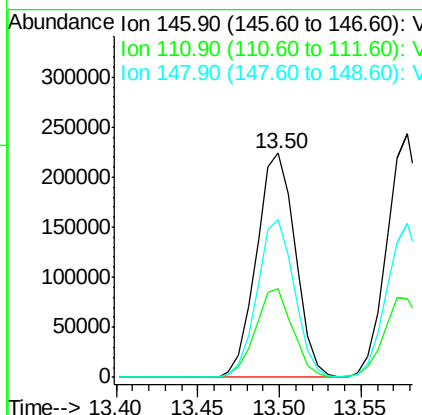
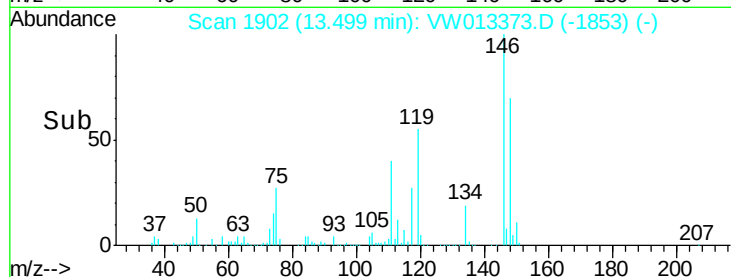
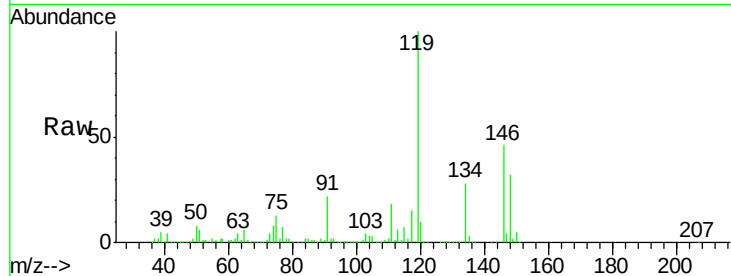
Instrument :
MSVOA_W

ClientSampleId :
ICVW100119

Tot Ion	Ratio	Resp	Lower	Upper
146	100	372033		
111	37.9		18.9	56.9
148	67.2		31.9	95.5

Manual Integrations
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MMDadoda
10/7/2019 8:22:56 AM



#88

1,4-Dichlorobenzene

Concen: 52.395 ug/l

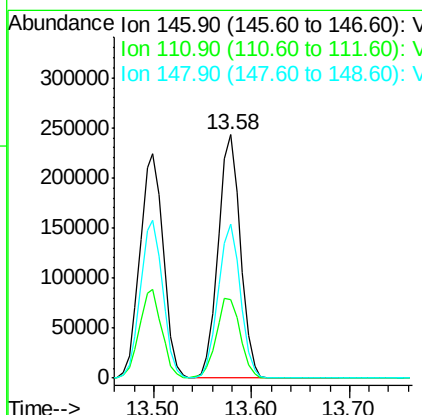
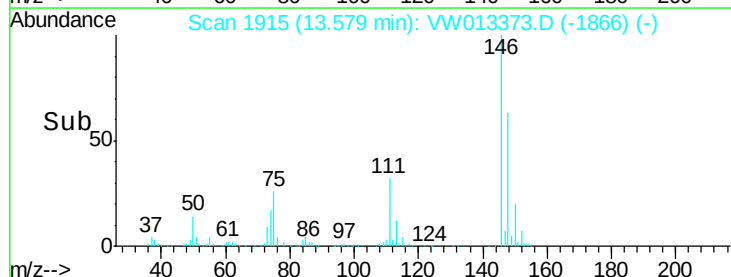
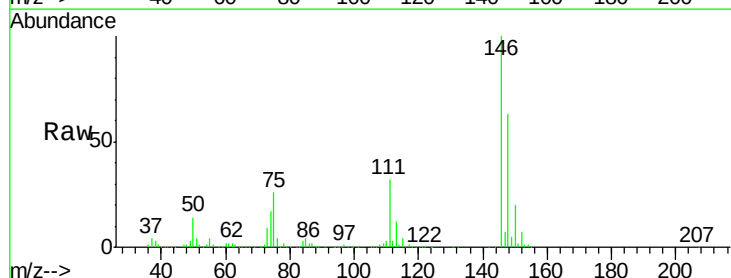
RT: 13.58 min Scan# 1915

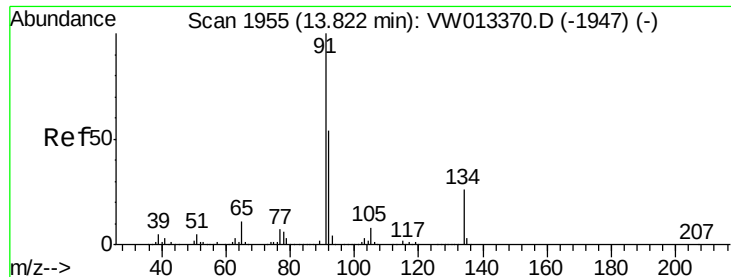
Delta R.T. 0.00 min

Lab File: VW013373.D

Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	383341		
111	35.2		18.4	55.0
148	63.6		32.1	96.3





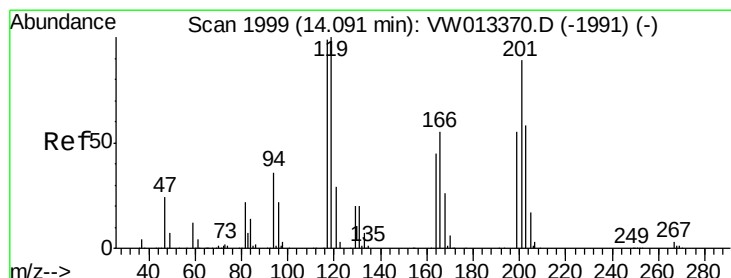
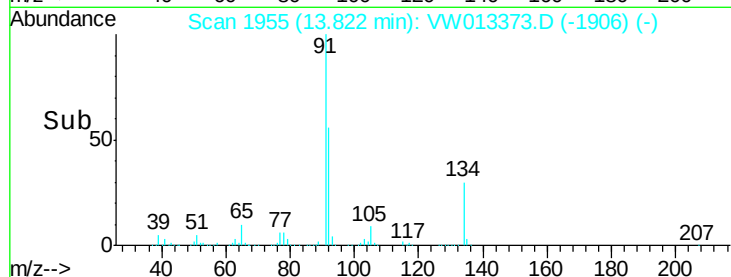
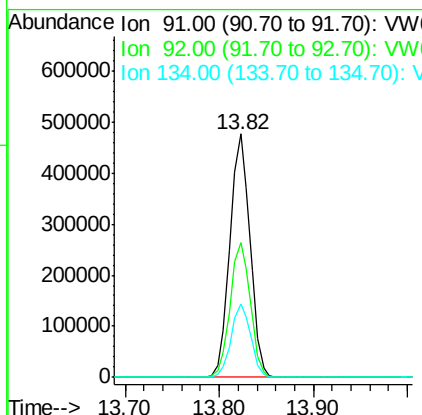
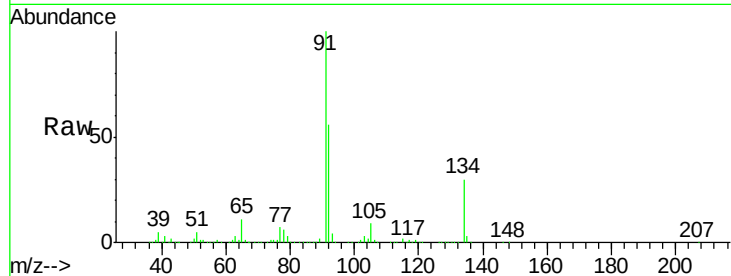
#89
n-Butylbenzene
Concen: 52.252 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Resp	Lower	Upper
91	100	706436		
92	55.5		27.6	82.8
134	29.2		13.7	41.1

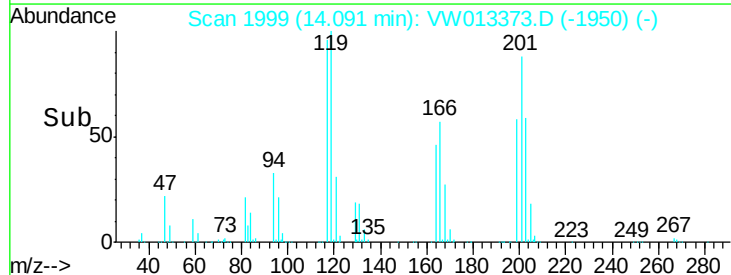
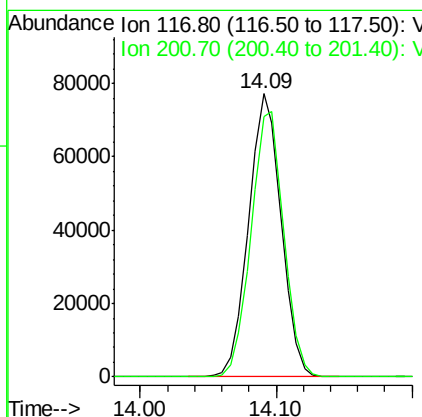
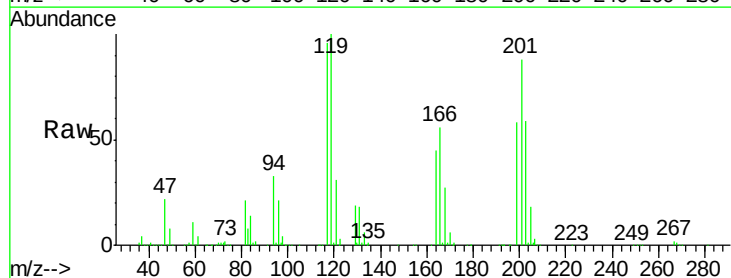
Manual Integrations
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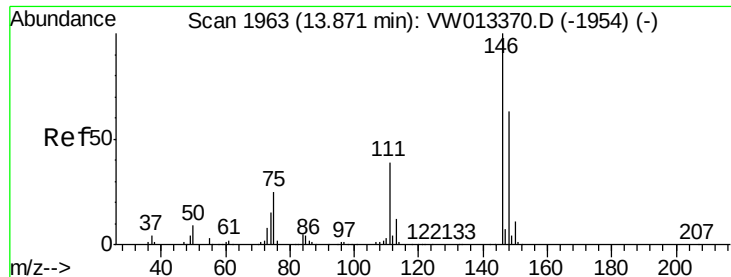
MMDadoda
10/7/2019 8:22:56 AM



#90
Hexachloroethane
Concen: 52.164 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	129239		
201	94.5		44.5	133.5





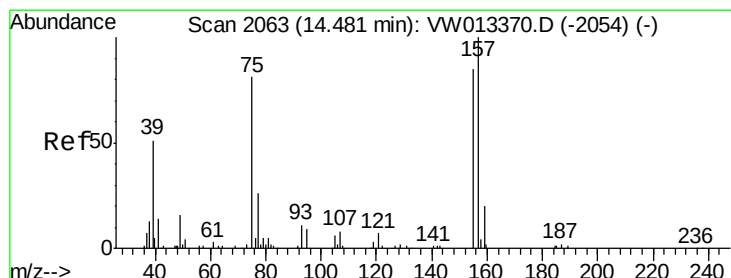
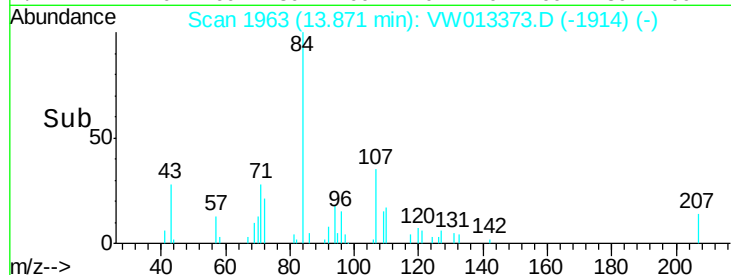
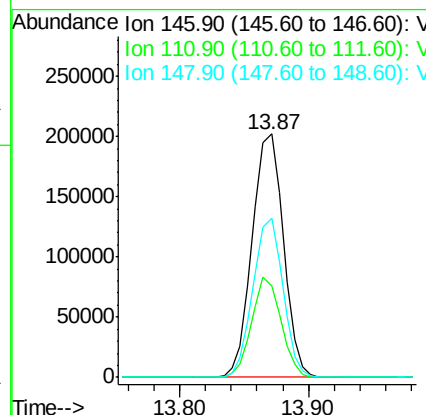
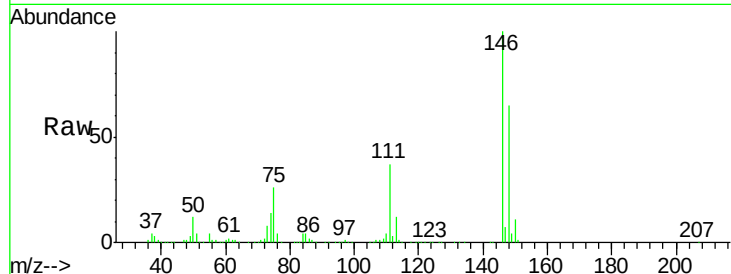
#91
 1,2-Dichlorobenzene
 Concen: 52.387 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW100119

Tot Ion	Ratio	Resp	Lower	Upper
146	100	338396		
111	38.7	20.1	60.3	
148	63.0	32.0	96.0	

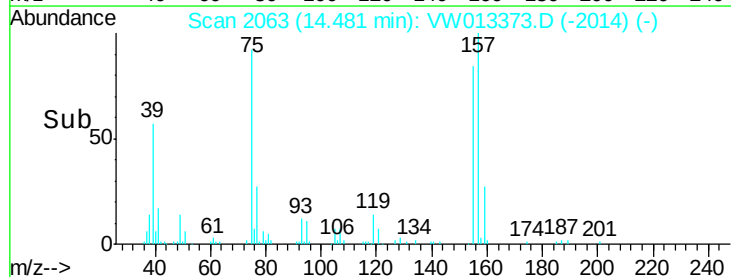
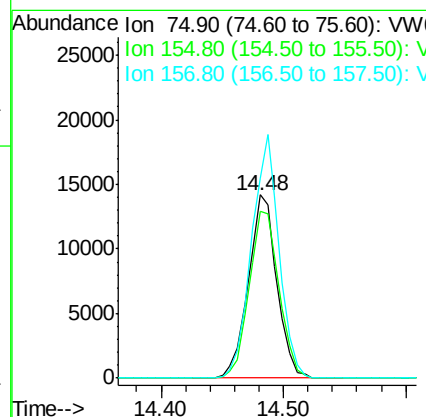
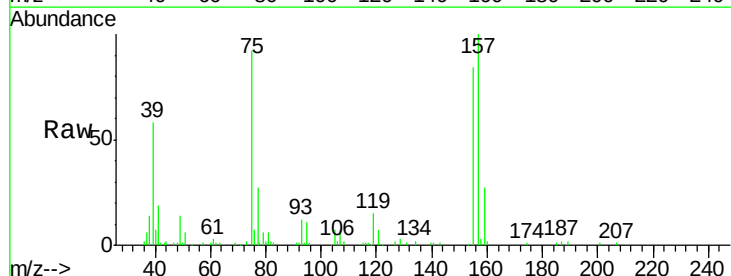
Manual Integrations
 APPROVED

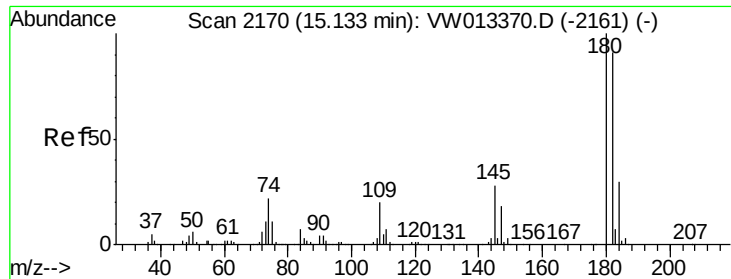
MMDadoda
 10/7/2019 8:22:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.014 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013373.D
 Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22938		
155	95.0	46.1	138.3	
157	128.3	60.4	181.2	





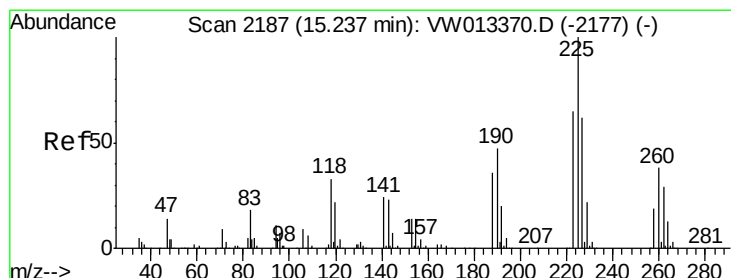
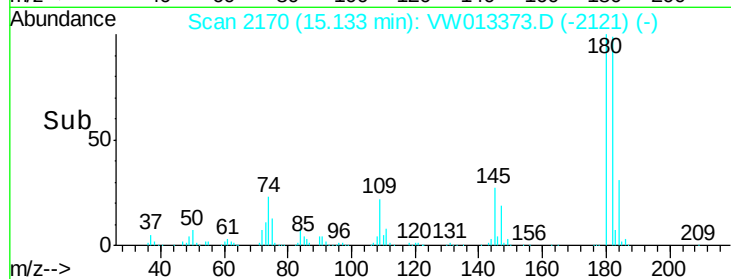
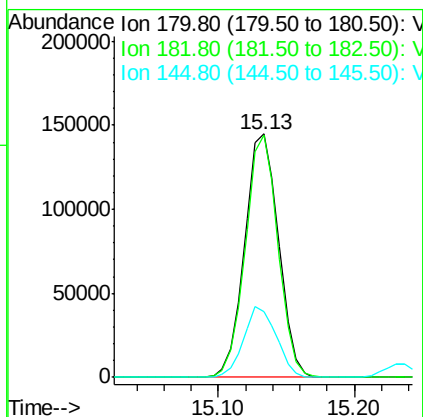
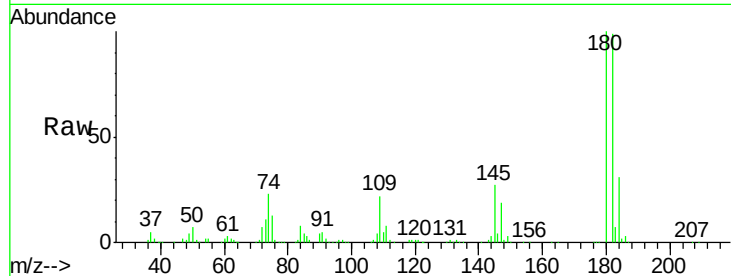
#93
1,2,4-Trichlorobenzene
Concen: 54.472 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVW100119

Tot Ion	Ratio	Resp	Lower	Upper
180	100	252518		
182	95.5	47.3	142.0	
145	28.3	14.2	42.8	

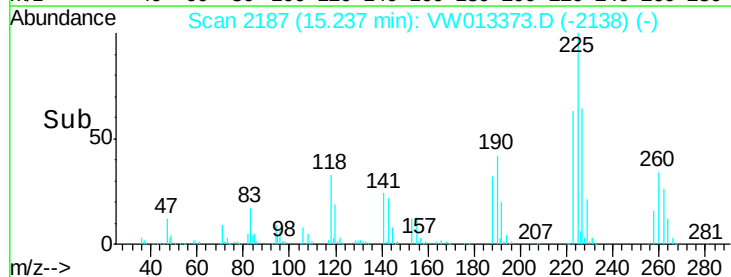
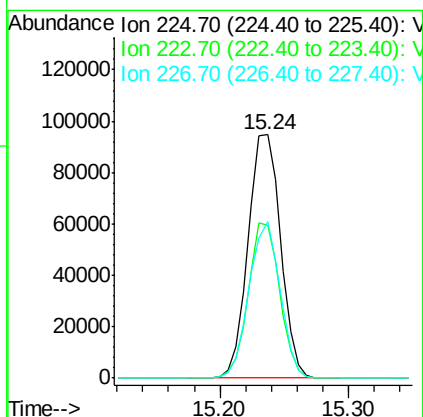
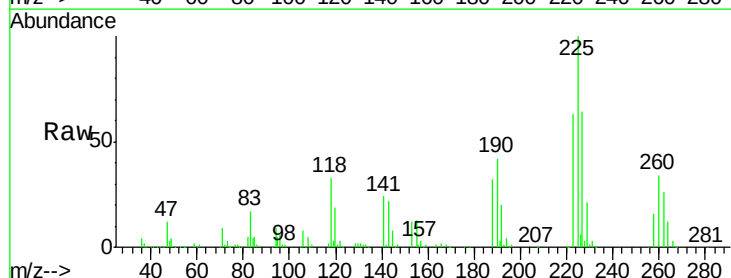
Manual Integrations
APPROVED

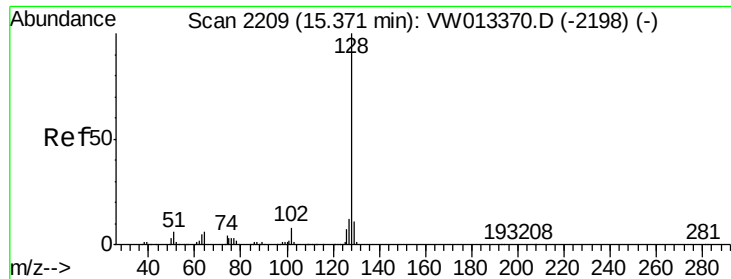
MMDadoda
10/7/2019 8:22:56 AM



#94
Hexachlorobutadiene
Concen: 54.621 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164483		
223	61.7	30.6	91.8	
227	61.3	31.9	95.9	





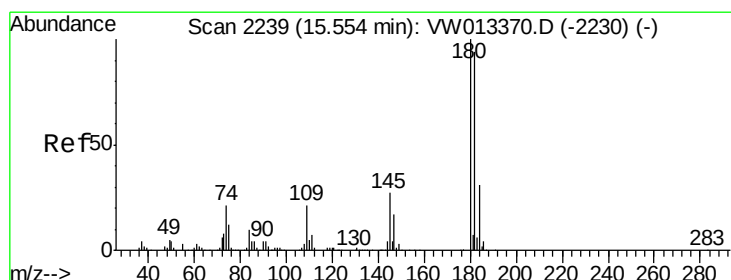
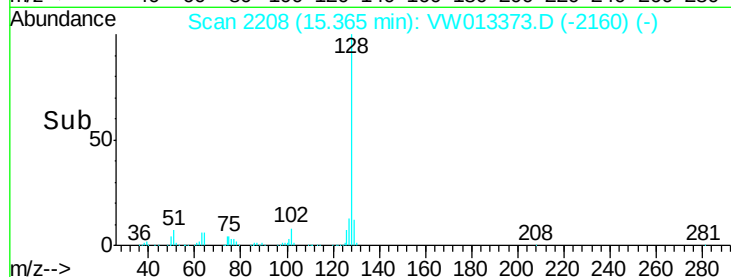
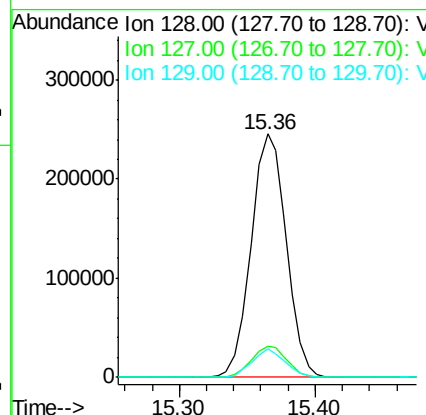
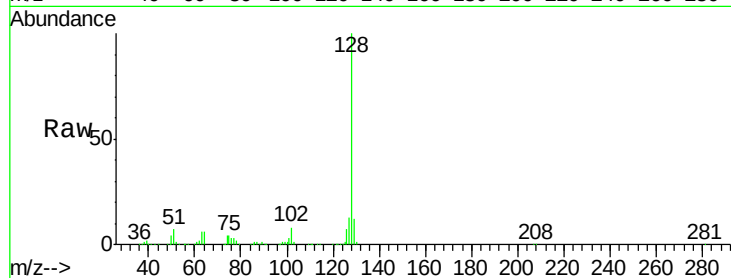
#95
Naphthalene
Concen: 56.887 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Instrument :
MSVOA_W
ClientSampleId :
ICVWV100119

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2019 8:22:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.966 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013373.D
Acq: 01 Oct 2019 17:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	29.2	15.0	45.0

