

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010423.D
 Acq On : 17 May 2019 20:08
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW051719

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:21 PM

Quant Time: May 18 00:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	763378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1372186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1236605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	597345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	435473	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.88	113	433923	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.32	98	1620799	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	631698	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	256720	47.719	ug/l	99
3) Chloromethane	2.21	50	399749	51.267	ug/l	99
4) Vinyl Chloride	2.35	62	408557	44.672	ug/l	99
5) Bromomethane	2.76	94	266239	58.007	ug/l	99
6) Chloroethane	2.91	64	264189	46.343	ug/l	96
7) Trichlorofluoromethane	3.25	101	575170	45.347	ug/l	99
8) Diethyl Ether	3.68	74	213218	47.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	369830	45.812	ug/l	99
10) Methyl Iodide	4.26	142	445610	49.359	ug/l	99
11) Tert butyl alcohol	5.18	59	182223	239.951	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	351458	46.166	ug/l	100
13) Acrolein	3.90	56	114142	233.905	ug/l	100
14) Allyl chloride	4.67	41	552124	46.753	ug/l	99
15) Acrylonitrile	5.37	53	463545	240.312	ug/l	98
16) Acetone	4.14	43	338904	229.804	ug/l	98
17) Carbon Disulfide	4.37	76	993514	45.702	ug/l	100
18) Methyl Acetate	4.67	43	210082	45.584	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	1055783	48.350	ug/l	100
20) Methylene Chloride	4.92	84	398547	51.634	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	413067	46.521	ug/l	100
22) Diisopropyl ether	6.31	45	1204859	47.805	ug/l	98
23) Vinyl Acetate	6.26	43	3802372	241.843	ug/l	100
24) 1,1-Dichloroethane	6.21	63	693716	47.542	ug/l	99
25) 2-Butanone	7.17	43	607879	241.804	ug/l	97
26) 2,2-Dichloropropane	7.17	77	584311	44.374	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	481341	48.339	ug/l	99
28) Bromochloromethane	7.51	49	289367	52.783	ug/l	97
29) Tetrahydrofuran	7.53	42	407934	239.787	ug/l	99
30) Chloroform	7.68	83	742537	48.384	ug/l	99
31) Cyclohexane	7.95	56	622966	48.236	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	676109	46.721	ug/l	100
36) 1,1-Dichloropropene	8.08	75	552920	45.516	ug/l	99
37) Ethyl Acetate	7.26	43	283628	48.662	ug/l	97
38) Carbon Tetrachloride	8.07	117	596112	45.470	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	724661	44.670	ug/l	97
40) Benzene	8.32	78	1615173	46.588	ug/l	100
41) Methacrylonitrile	7.48	41	155205	44.468	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	487935	47.235	ug/l	100
43) Isopropyl Acetate	8.43	43	569765	48.002	ug/l	99
44) Trichloroethene	9.09	130	470593	47.377	ug/l	97
45) 1,2-Dichloropropane	9.37	63	402079	47.377	ug/l	98
46) Dibromomethane	9.46	93	238506	47.574	ug/l	98
47) Bromodichloromethane	9.65	83	594785	47.743	ug/l	96
48) Methyl methacrylate	9.44	41	256531	46.903	ug/l	99
49) 1,4-Dioxane	9.46	88	68564	924.094	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1444200	237.867	ug/l	100
52) Toluene	10.39	92	1066203	46.304	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	606663	47.217	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	677561	46.516	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	345435	47.756	ug/l	98
56) Ethyl methacrylate	10.65	69	492339	48.779	ug/l	99
57) 1,3-Dichloropropane	10.93	76	583553	48.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1189405	245.250	ug/l	100
59) 2-Hexanone	10.97	43	1006163	237.988	ug/l	100
60) Dibromochloromethane	11.13	129	437536	48.745	ug/l	99
61) 1,2-Dibromoethane	11.23	107	344897	47.047	ug/l	98
64) Tetrachloroethene	10.86	164	395547	48.630	ug/l	95
65) Chlorobenzene	11.66	112	1175372	46.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	442667	47.737	ug/l	99
67) Ethyl Benzene	11.73	91	2025597	45.793	ug/l	99
68) m/p-Xylenes	11.84	106	1602925	92.587	ug/l	100
69) o-Xylene	12.16	106	766053	46.418	ug/l	99
70) Styrene	12.18	104	1346155	47.373	ug/l	99
71) Bromoform	12.35	173	255561	48.913	ug/l #	99
73) Isopropylbenzene	12.46	105	2058787	44.572	ug/l	99
74) N-amyl acetate	12.27	43	541942	45.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	417714	45.662	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	281895m	44.070	ug/l	
77) Bromobenzene	12.75	156	484372	46.421	ug/l	99
78) n-propylbenzene	12.80	91	2383473	44.485	ug/l	99
79) 2-Chlorotoluene	12.89	91	1416844	45.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1780645	45.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142529	43.970	ug/l	99
82) 4-Chlorotoluene	12.99	91	1481457	45.337	ug/l	100
83) tert-Butylbenzene	13.21	119	1503703	45.225	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1757909	45.448	ug/l	99
85) sec-Butylbenzene	13.38	105	2116018	45.195	ug/l	100
86) p-Isopropyltoluene	13.50	119	1939171	45.847	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	942004	46.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	941964	47.091	ug/l	99
89) n-Butylbenzene	13.83	91	1823527	45.186	ug/l	100
90) Hexachloroethane	14.10	117	388907	45.709	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	865718	47.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77512	45.533	ug/l	98

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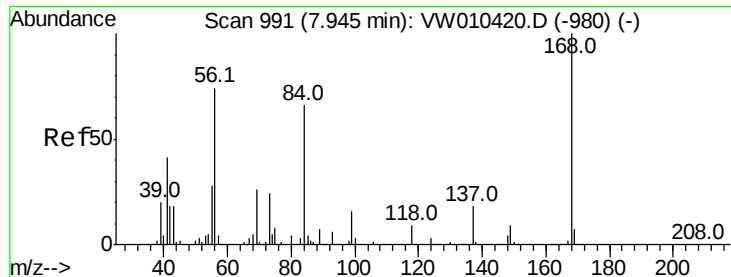
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	580125	48.706	ug/l	100
94) Hexachlorobutadiene	15.24	225	297789	46.832	ug/l	98
95) Naphthalene	15.37	128	1309932	48.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	507306	48.308	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion:168 Resp: 763378

Ion Ratio Lower Upper

168 100

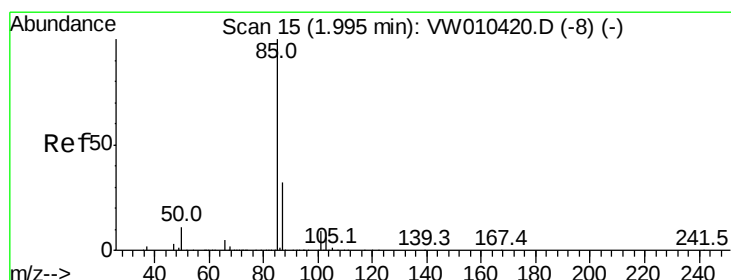
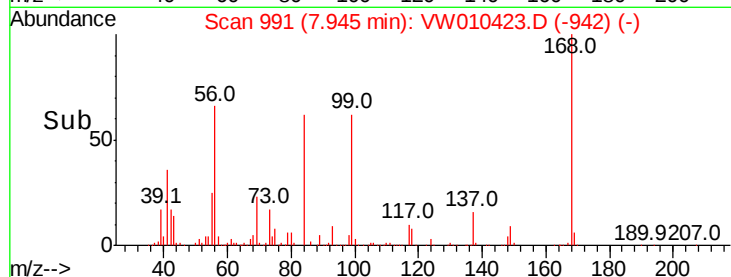
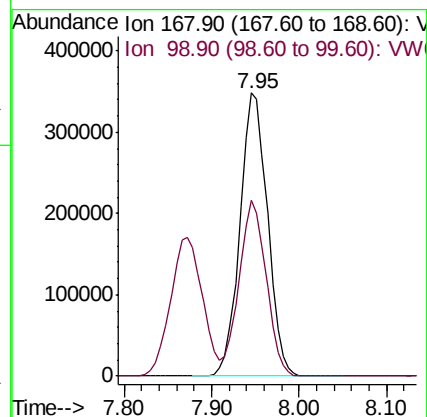
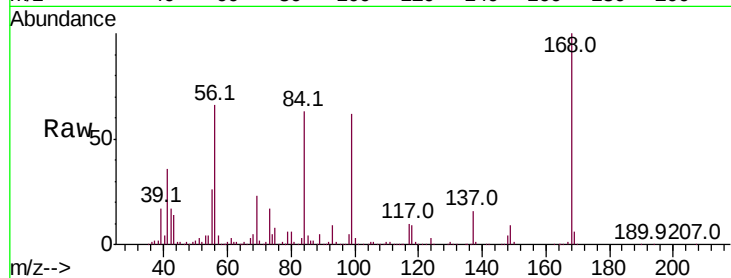
99 62.2 50.8 76.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.719 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010423.D

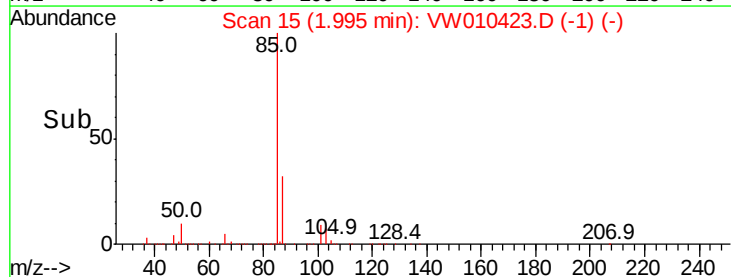
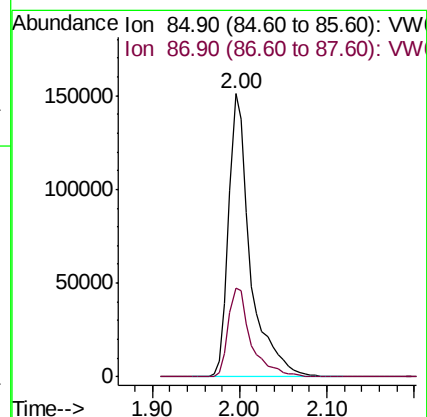
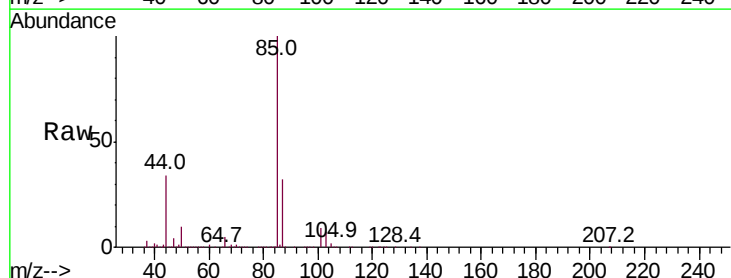
Acq: 17 May 2019 20:08

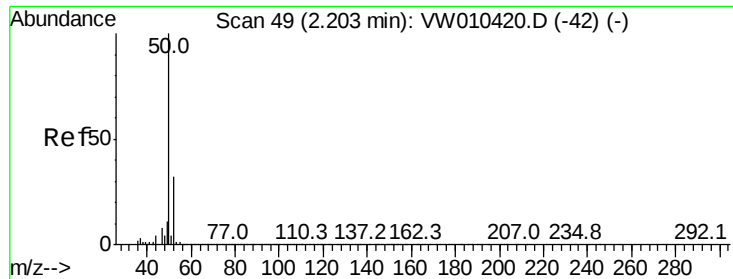
Tgt Ion: 85 Resp: 256720

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5





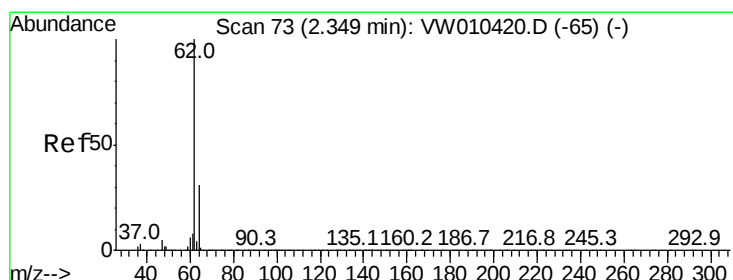
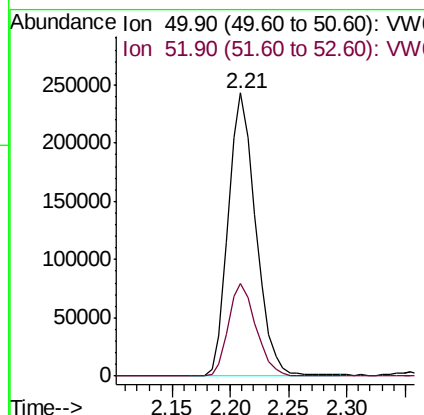
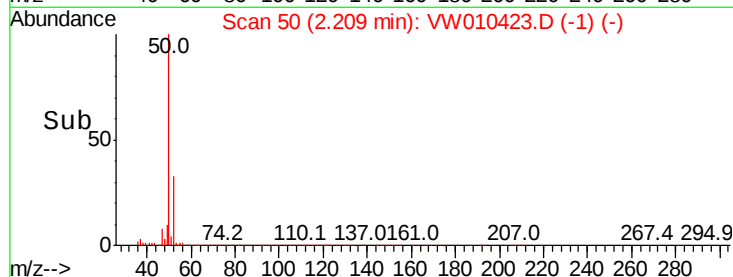
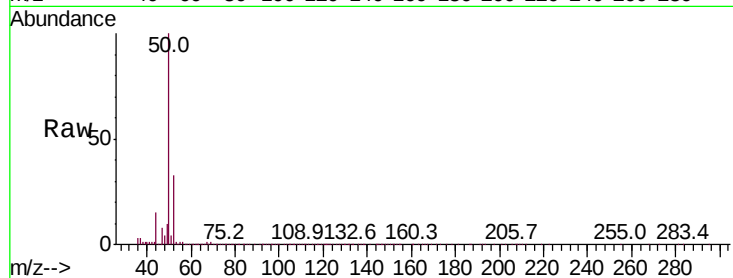
#3
Chloromethane
Concen: 51.267 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.0

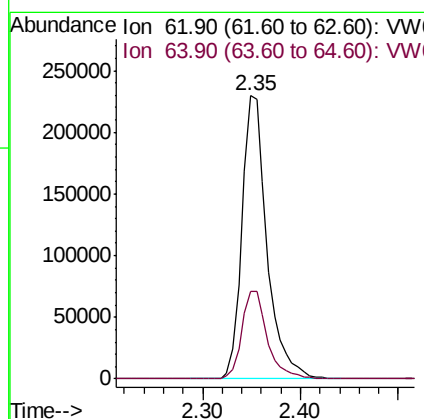
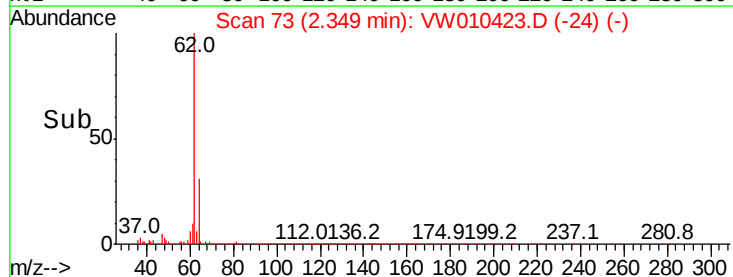
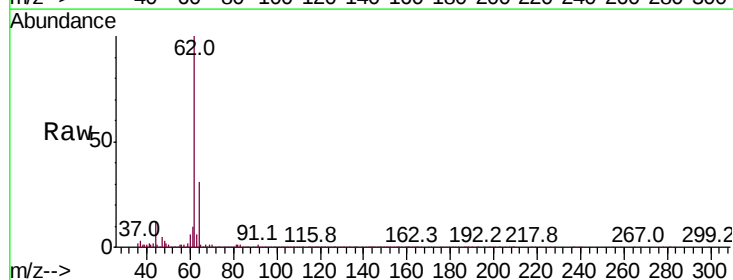
Manual Integrations
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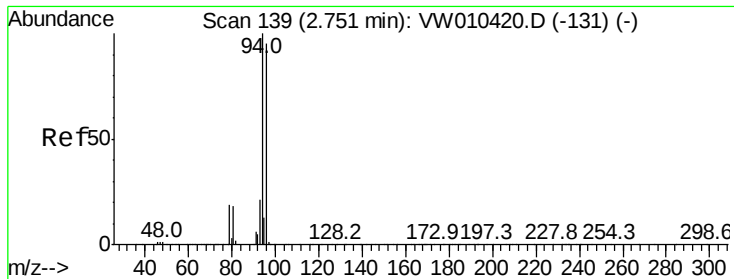
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#4
Vinyl Chloride
Concen: 44.672 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.4	36.6





#5

Bromomethane

Concen: 58.007 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 94 Resp: 266239

Ion Ratio Lower Upper

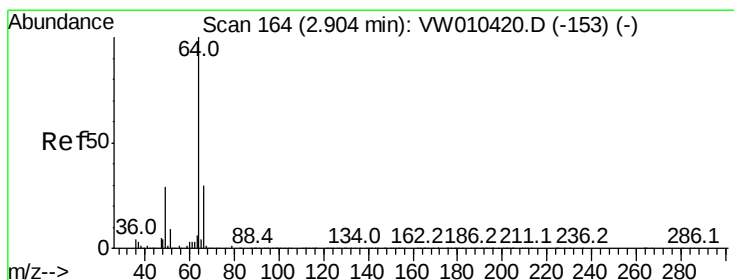
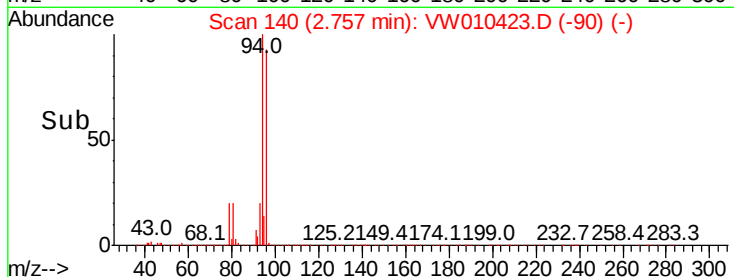
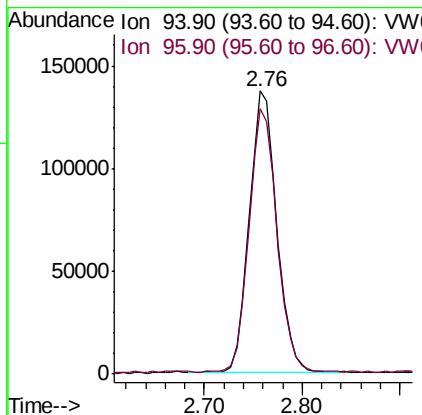
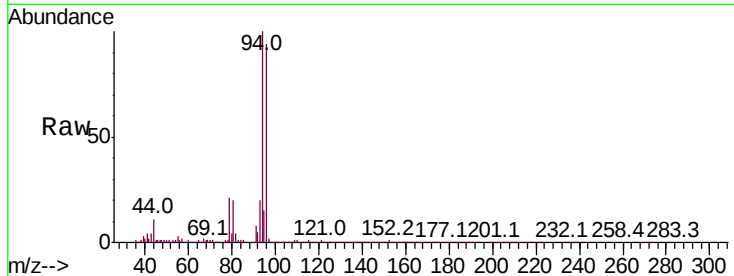
94 100

96 93.4 75.8 113.6

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 46.343 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.01 min

Lab File: VW010423.D

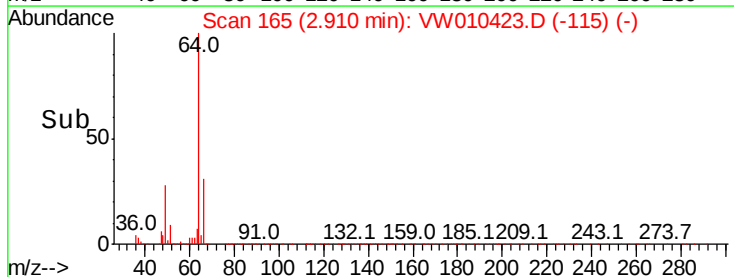
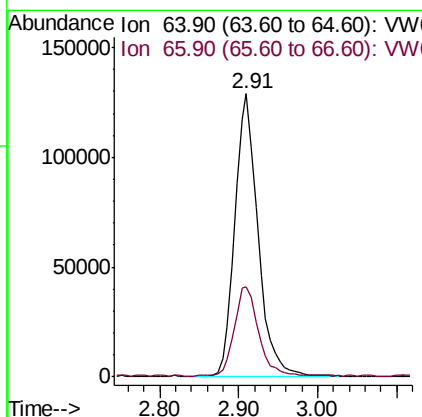
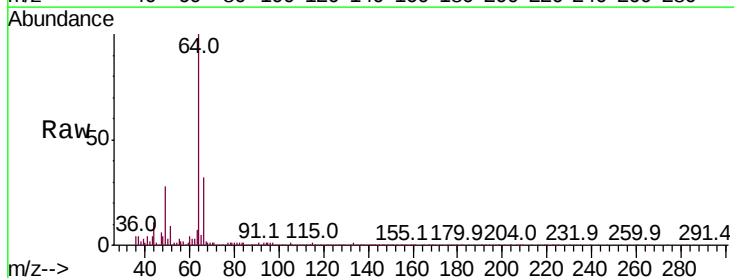
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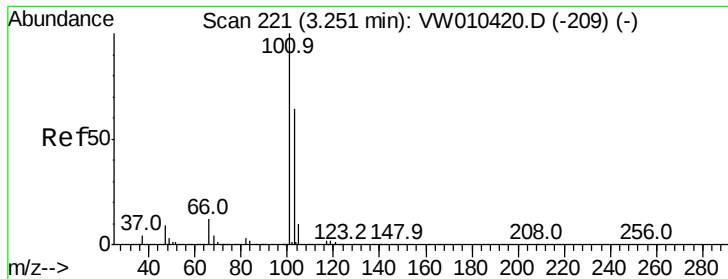
Tgt Ion: 64 Resp: 264189

Ion Ratio Lower Upper

64 100

66 31.4 23.6 35.4





#7

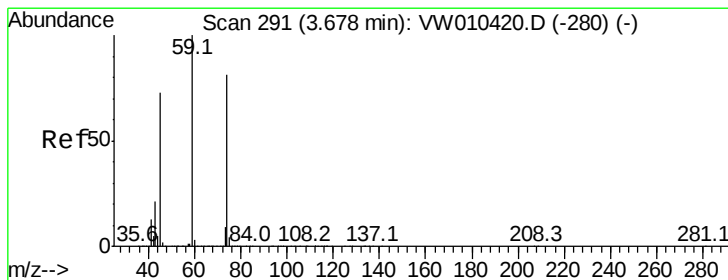
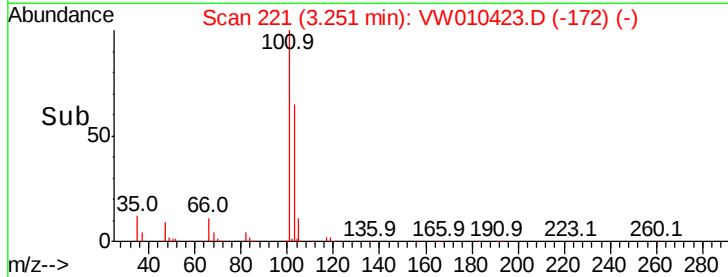
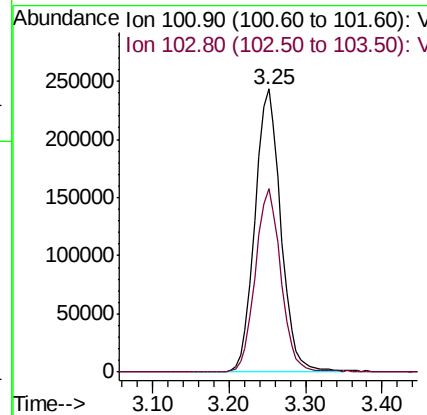
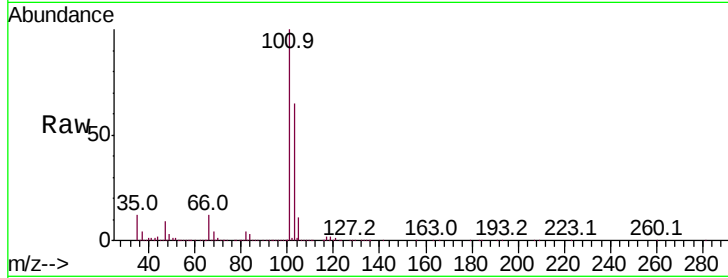
Trichlorofluoromethane
 Concen: 45.347 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.0

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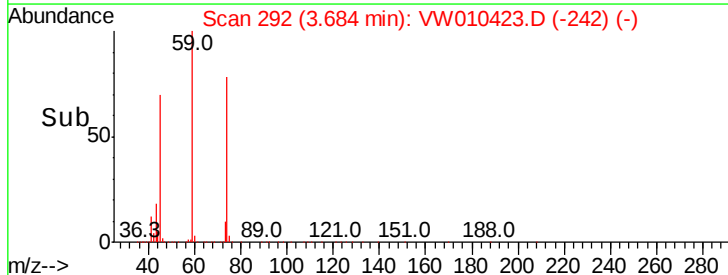
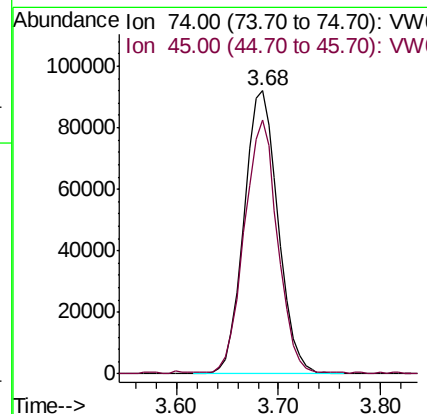
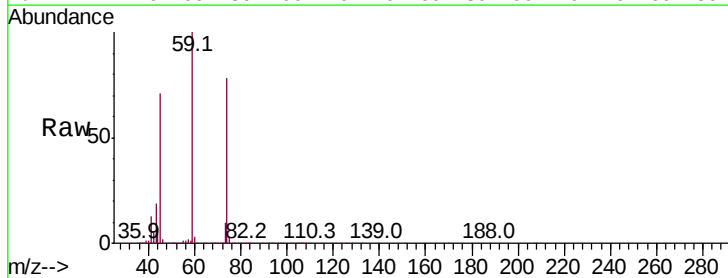
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 5/20/2019 12:16:21 PM

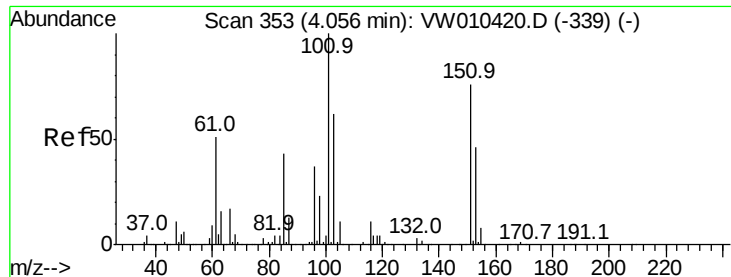


#8

Diethyl Ether
 Concen: 47.261 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	43.4	130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.812 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

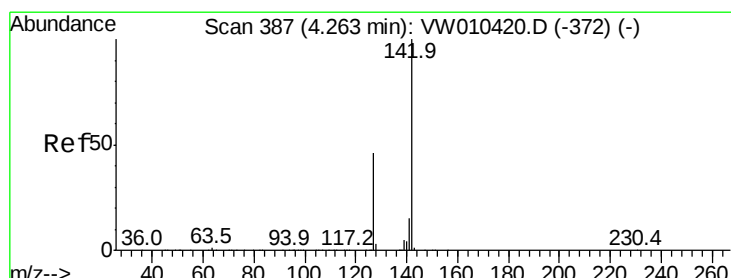
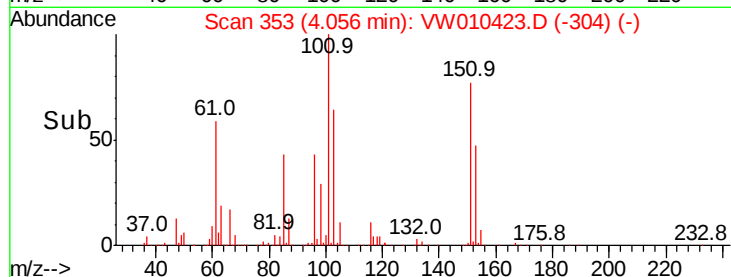
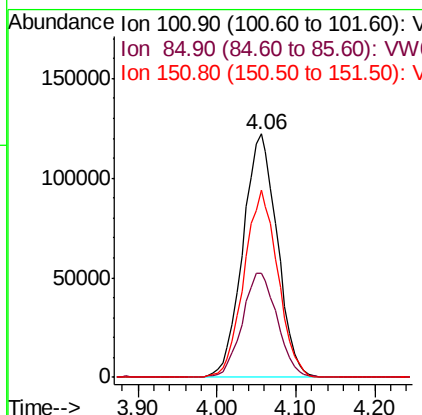
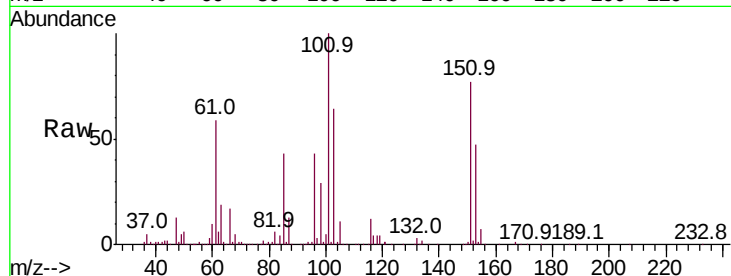
ClientSampleId :

ICVW051719

Tot Ion:	101	Resp:	369830
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.3	51.5
151	75.7	59.4	89.2

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#10

Methyl Iodide

Concen: 49.359 ug/l

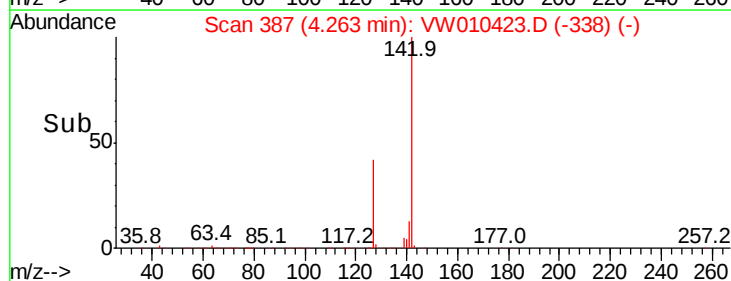
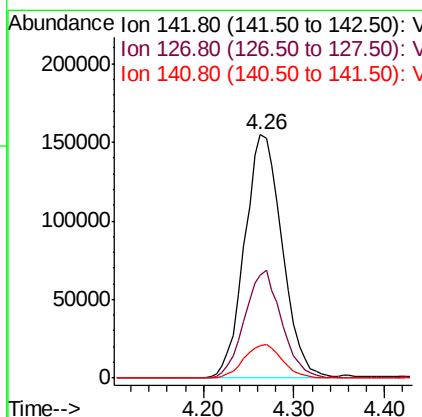
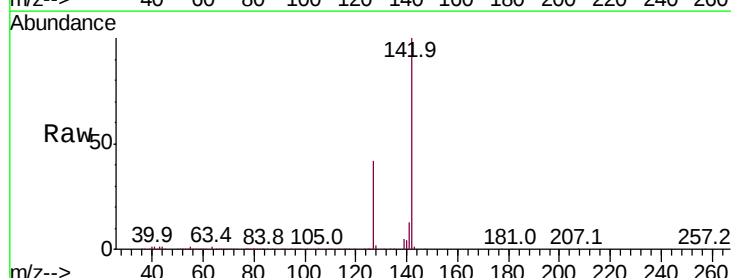
RT: 4.26 min Scan# 387

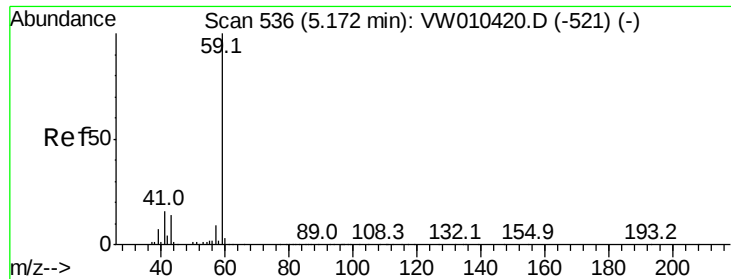
Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion:	142	Resp:	445610
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.4	53.2
141	13.9	11.4	17.2





#11

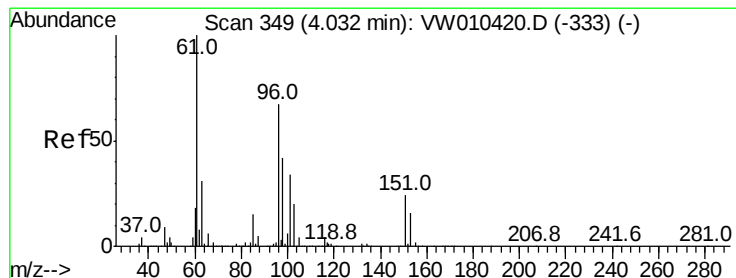
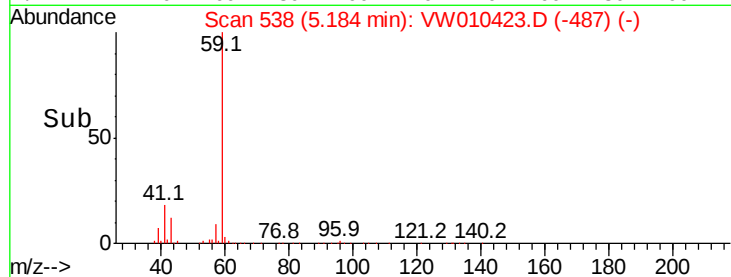
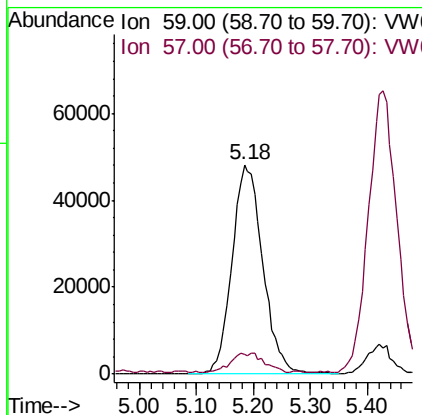
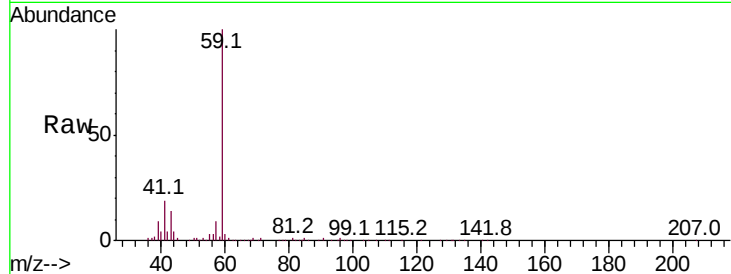
Tert butyl alcohol
Concen: 239.951 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Resp	Lower	Upper
59	100	182223		
57	5.6	8.4	12.6	

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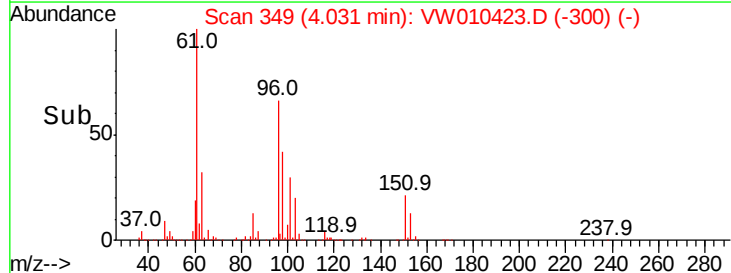
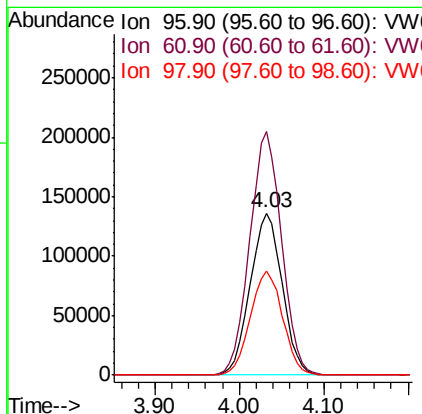
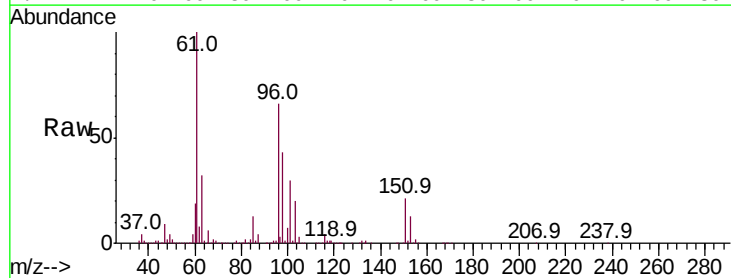
MMDadoda
5/20/2019 12:16:21 PM

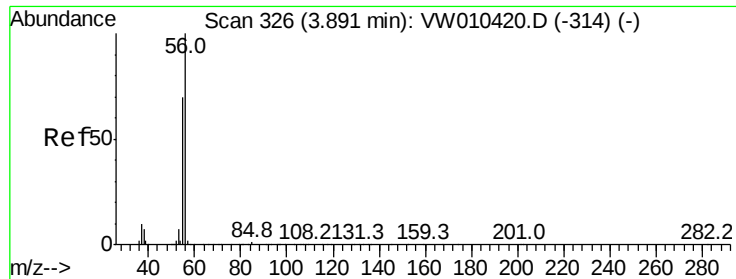


#12

1,1-Dichloroethene
Concen: 46.166 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	351458		
61	150.6	120.3	180.5	
98	64.1	50.7	76.1	





#13

Acrolein

Concen: 233.905 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 56 Resp: 114142

Ion Ratio Lower Upper

56 100

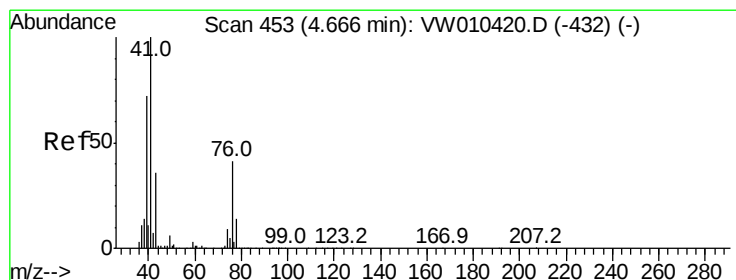
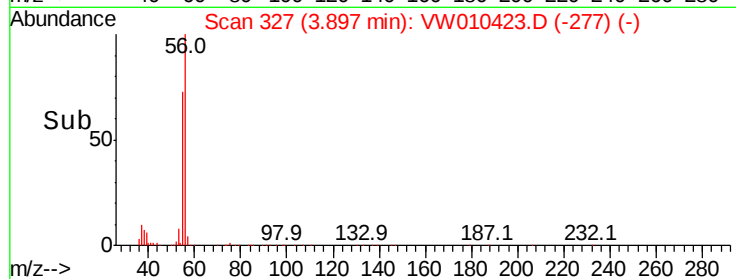
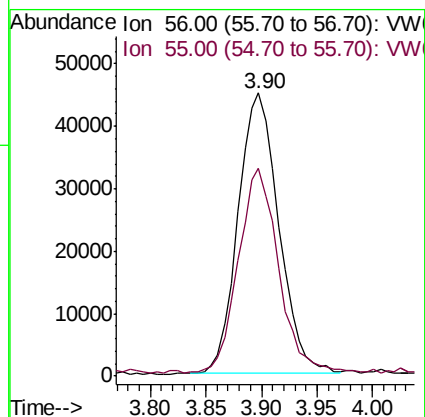
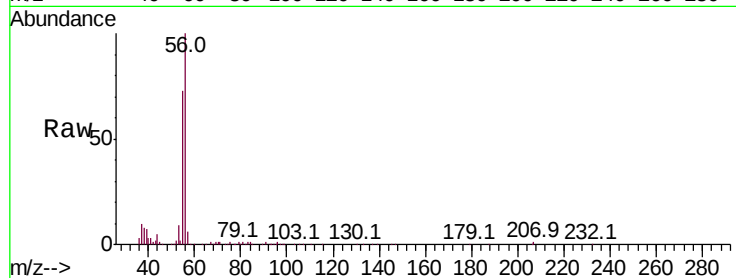
55 72.0 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 46.753 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

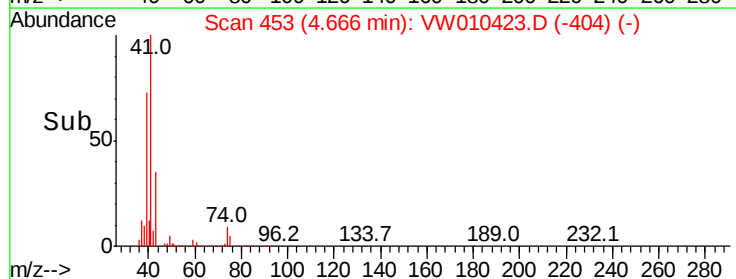
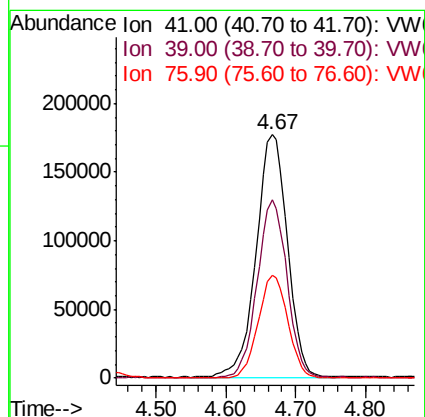
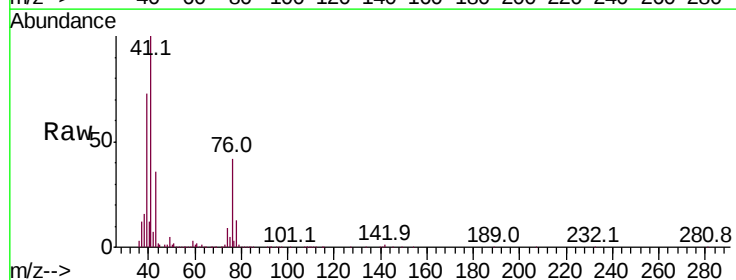
Tgt Ion: 41 Resp: 552124

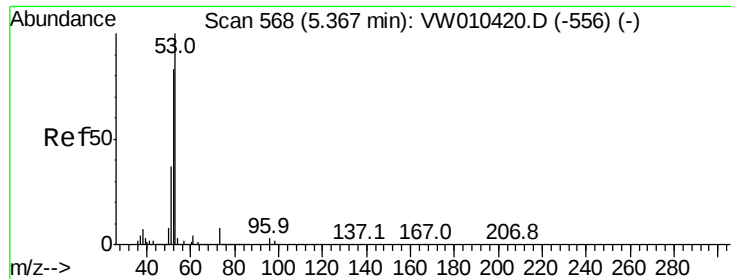
Ion Ratio Lower Upper

41 100

39 69.1 54.9 82.3

76 40.0 31.8 47.6





#15

Acrylonitrile

Concen: 240.312 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

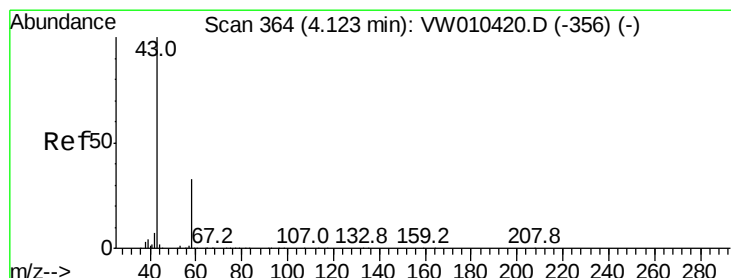
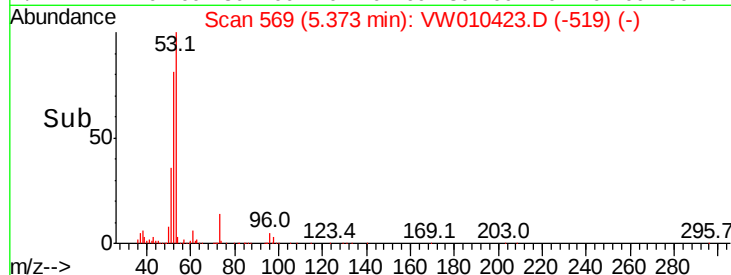
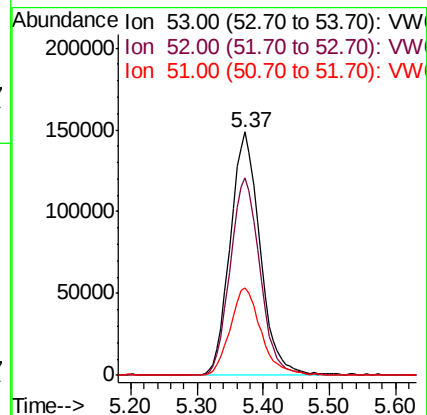
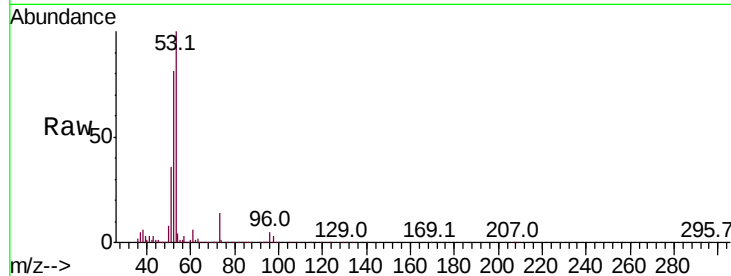
ClientSampleId :

ICVW051719

Tot Ion:	53	Resp:	463545
Ion Ratio	Lower	Upper	
53	100		
52	81.5	63.9	95.9
51	37.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 229.804 ug/l

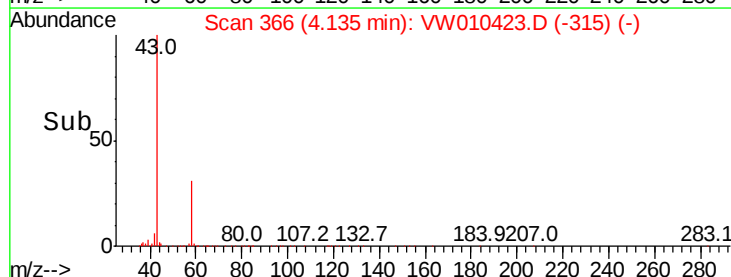
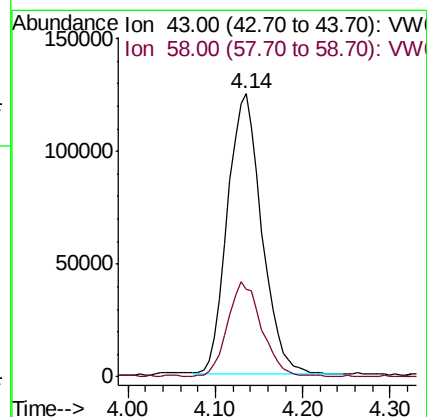
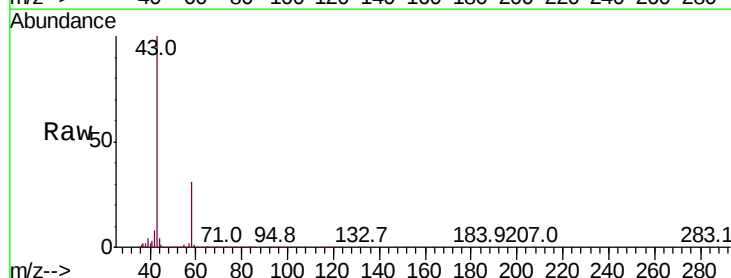
RT: 4.14 min Scan# 366

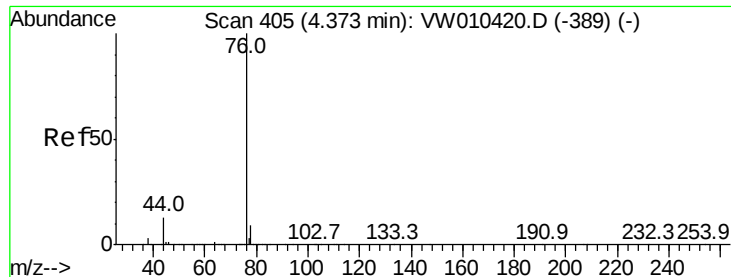
Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion:	43	Resp:	338904
Ion Ratio	Lower	Upper	
43	100		
58	31.2	26.0	39.0





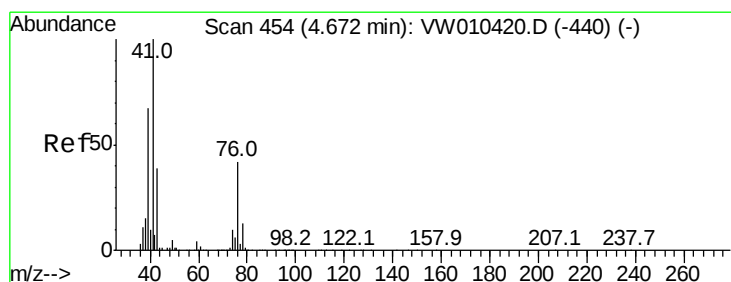
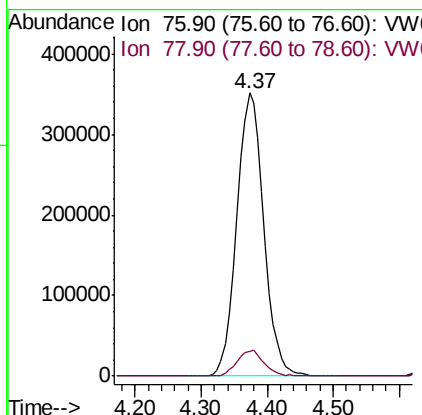
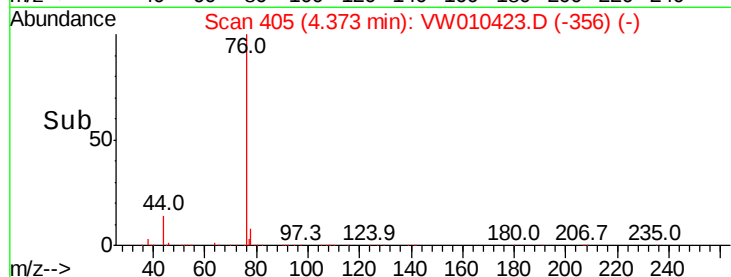
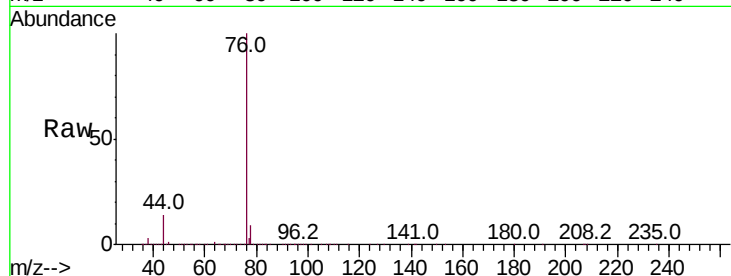
#17
Carbon Disulfide
Concen: 45.702 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

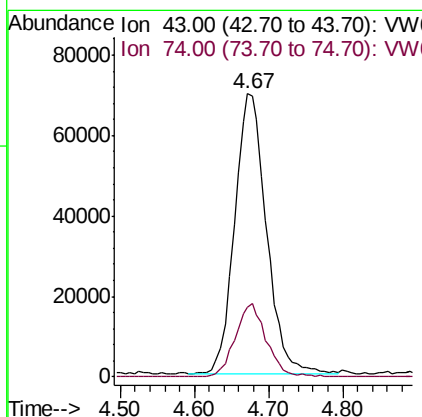
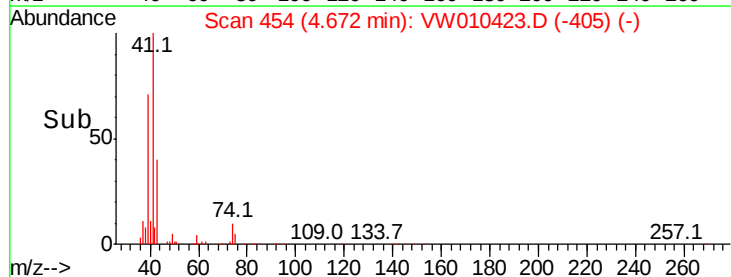
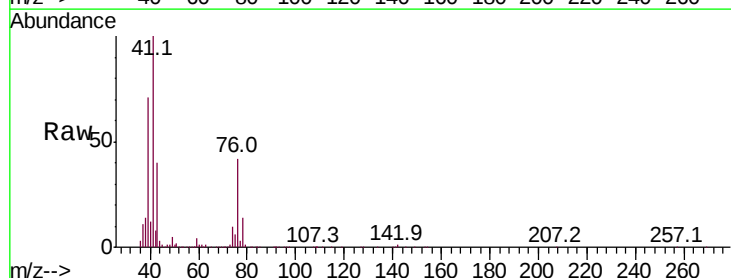
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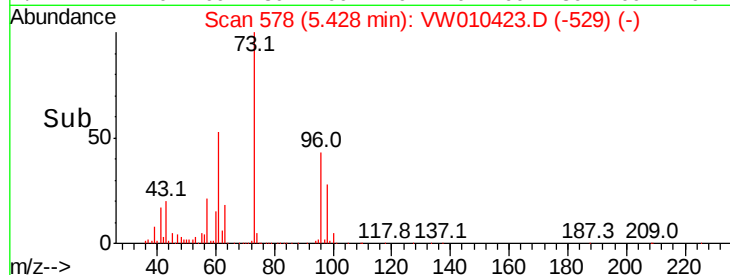
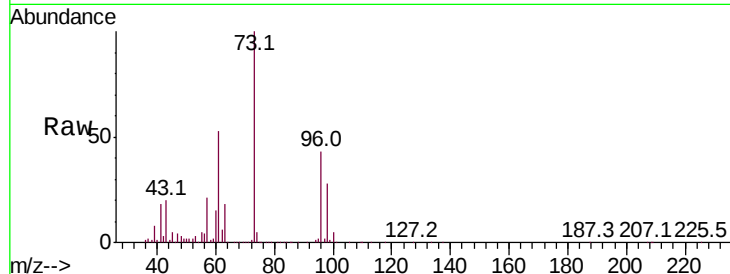
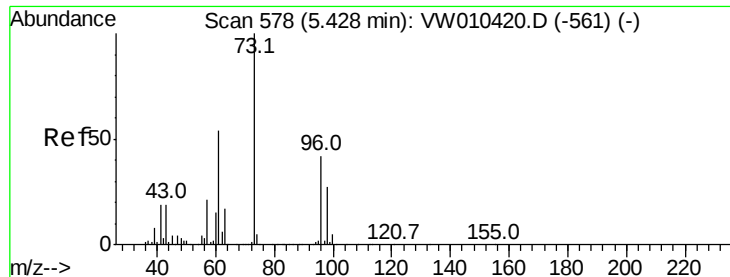
MMDadoda
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#18
Methyl Acetate
Concen: 45.584 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	21.2	31.8





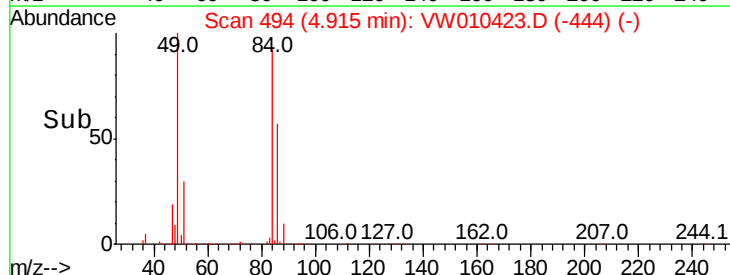
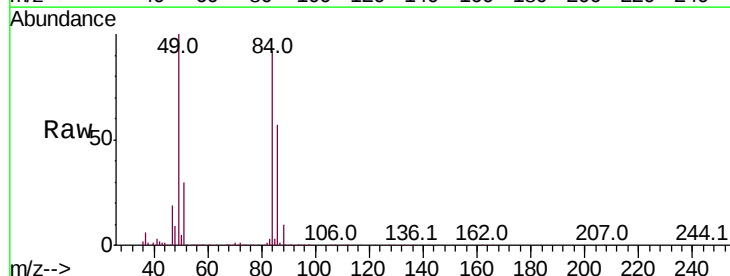
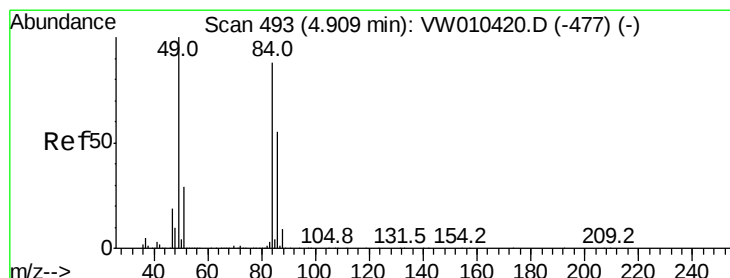
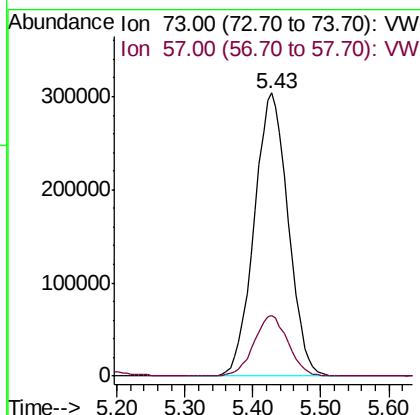
#19
Methvl tert-butvl Ether
Concen: 48.350 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tot Ion: 73 Resp: 1055783
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.4

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

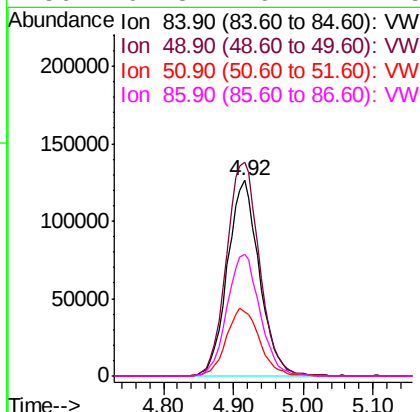
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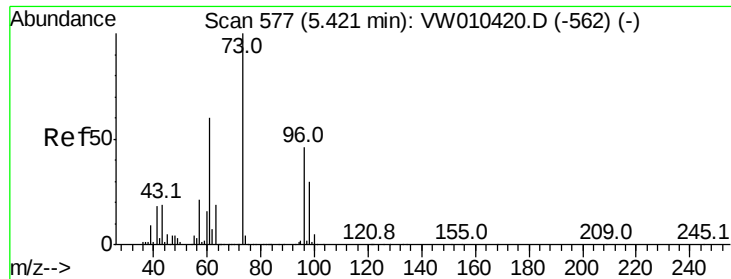
MMDadoda
5/20/2019 12:16:21 PM



#20
Methylene Chloride
Concen: 51.634 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 84 Resp: 398547
Ion Ratio Lower Upper
84 100
49 109.1 90.6 135.8
51 32.4 26.6 40.0
86 62.3 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 46.521 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

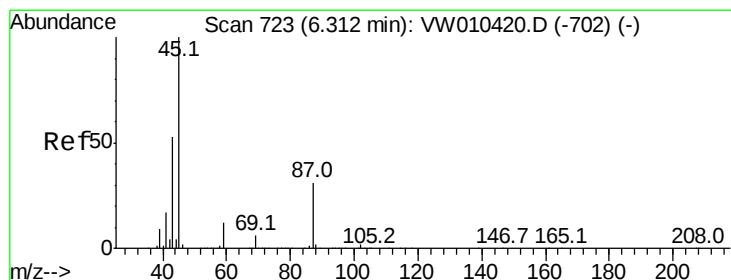
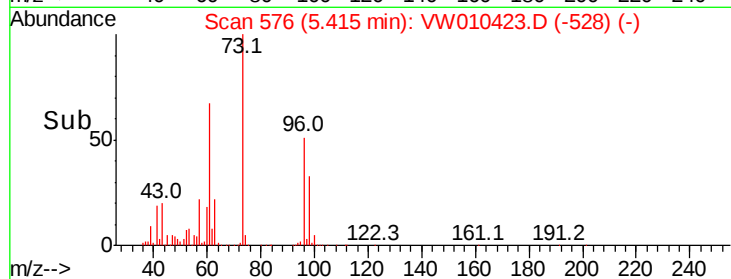
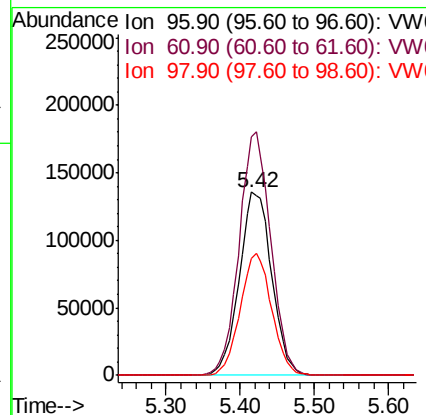
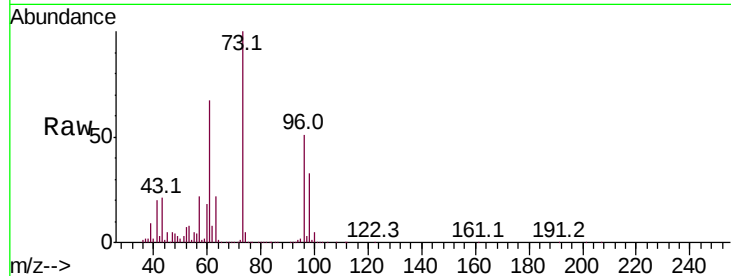
ClientSampleId :

ICVW051719

Tot Ion:	96	Resp:	413067
Ion	Ratio	Lower	Upper
96	100		
61	129.9	103.9	155.9
98	63.8	51.5	77.3

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#22

Diisopropyl ether

Concen: 47.805 ug/l

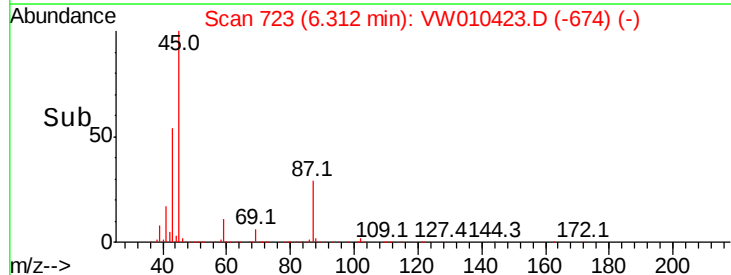
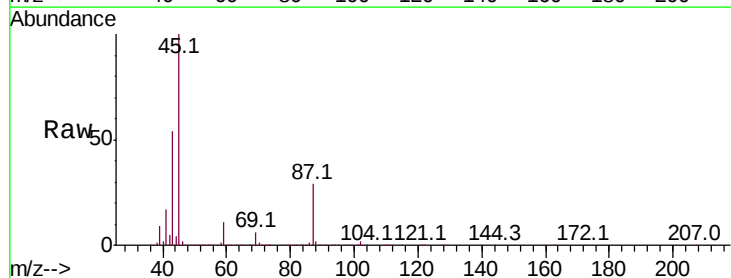
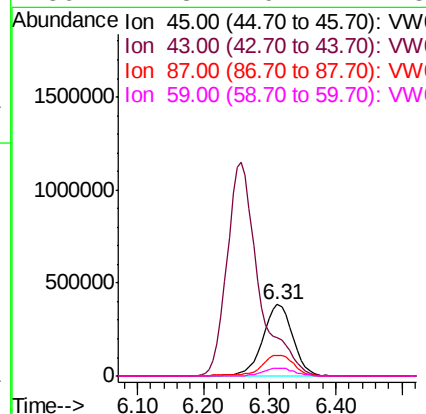
RT: 6.31 min Scan# 723

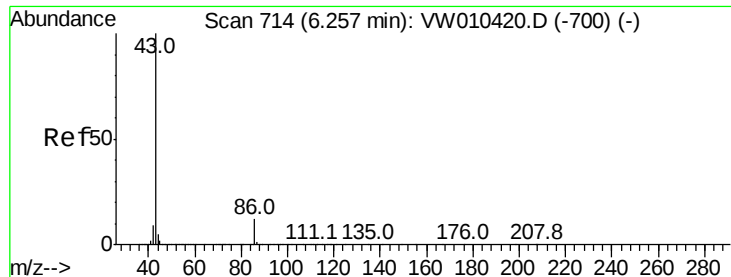
Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion:	45	Resp:	1204859
Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.0	63.0
87	29.4	25.0	37.6
59	11.3	9.7	14.5





#23

Vinyl Acetate

Concen: 241.843 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 43 Resp: 3802372

Ion Ratio Lower Upper

43 100

86 12.2

9.7

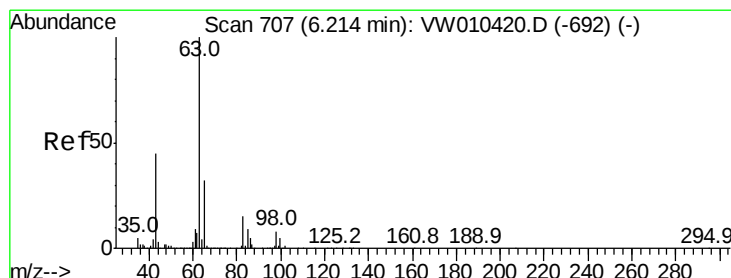
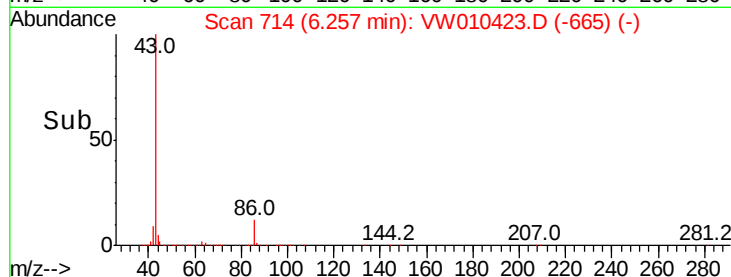
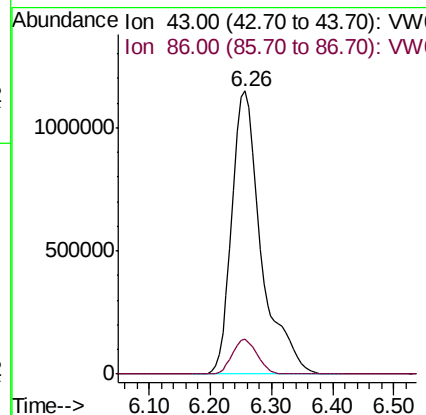
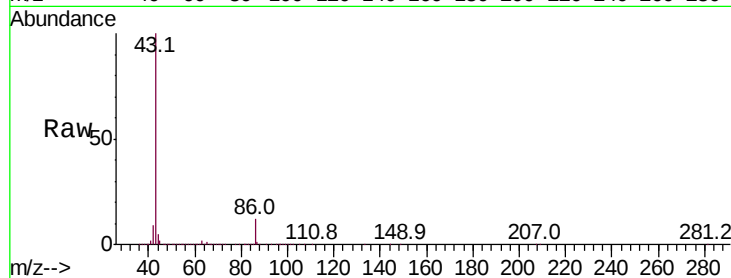
14.5

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#24

1,1-Dichloroethane

Concen: 47.542 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion: 63 Resp: 693716

Ion Ratio Lower Upper

63 100

98 7.3

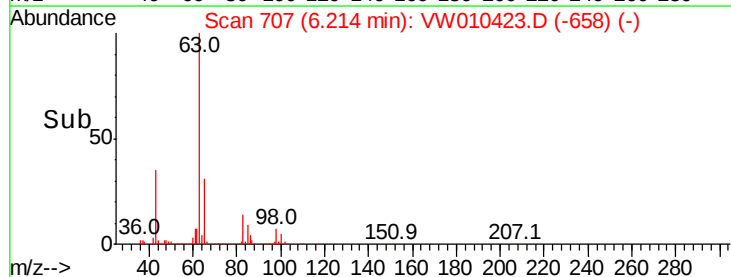
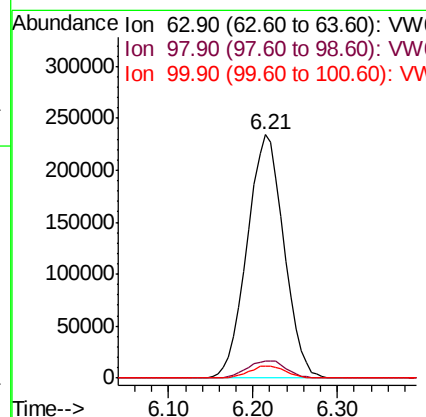
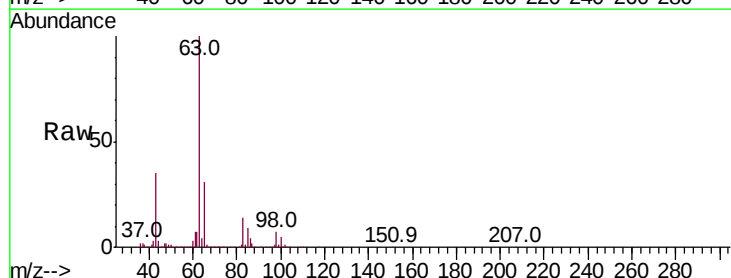
4.0

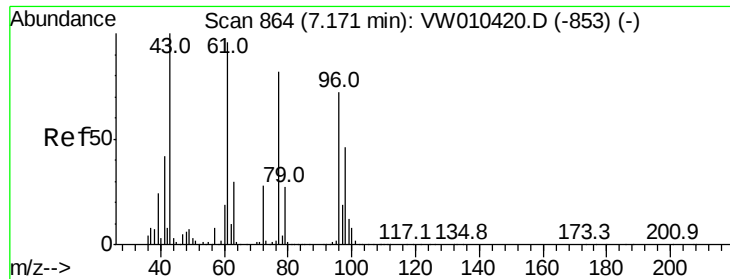
12.0

100 4.7

2.4

7.2





#25

2-Butanone

Concen: 241.804 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampled :

ICVW051719

Tot Ion: 43 Resp: 607879

Ion Ratio Lower Upper

43 100

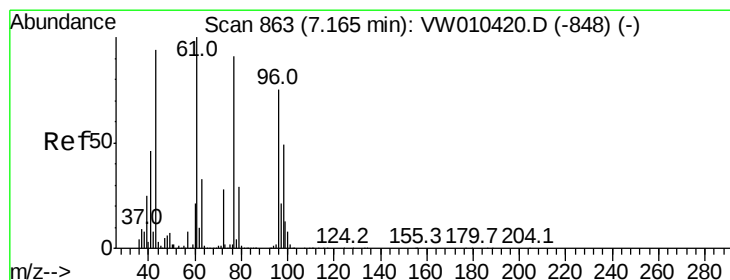
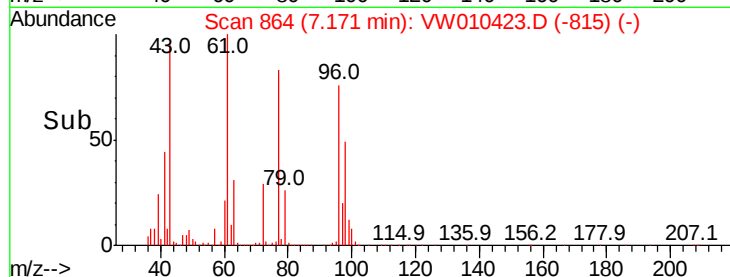
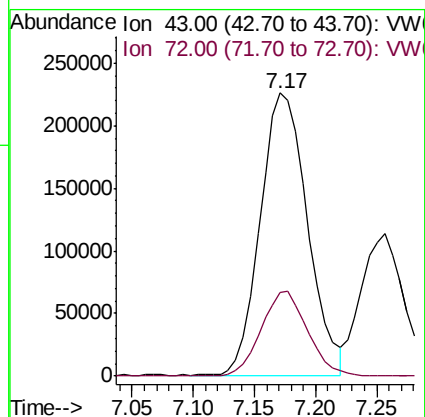
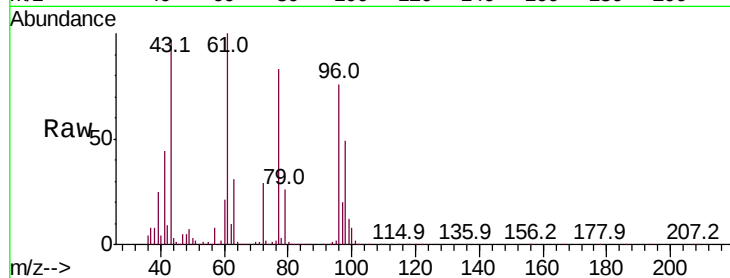
72 29.7 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.374 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010423.D

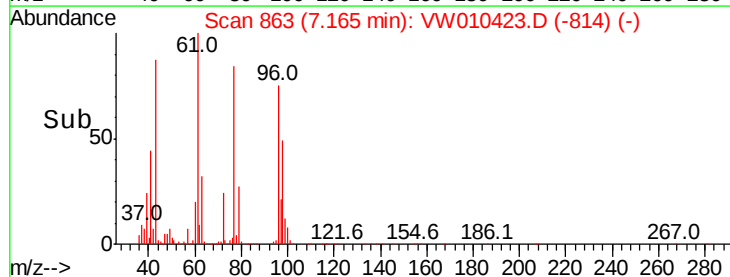
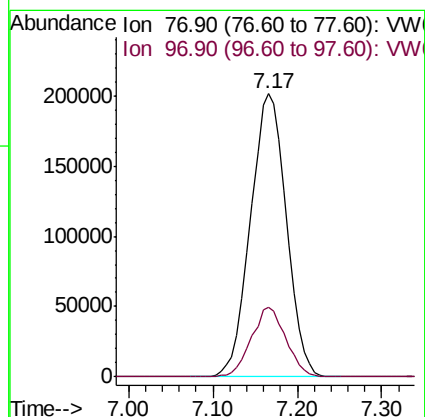
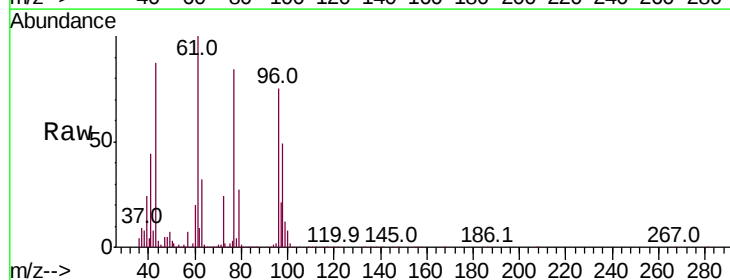
Acq: 17 May 2019 20:08

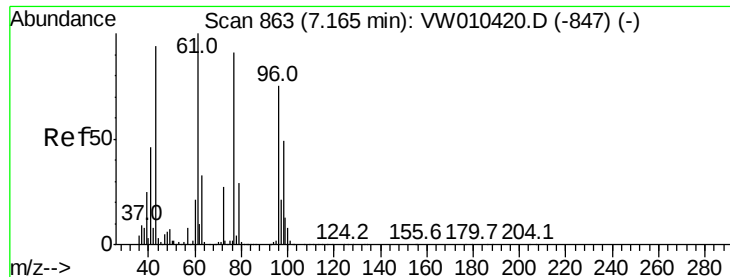
Tgt Ion: 77 Resp: 584311

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

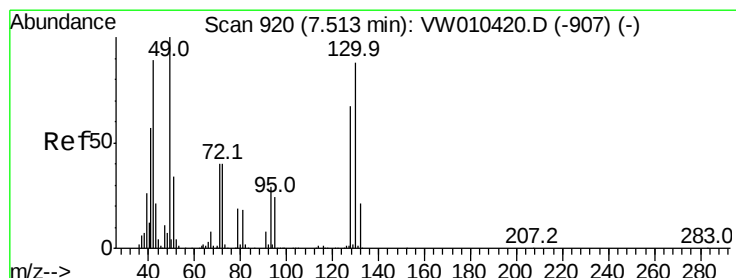
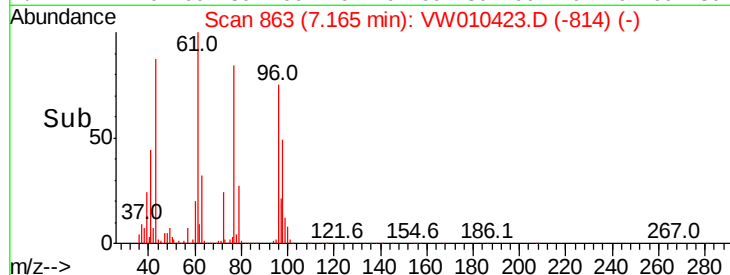
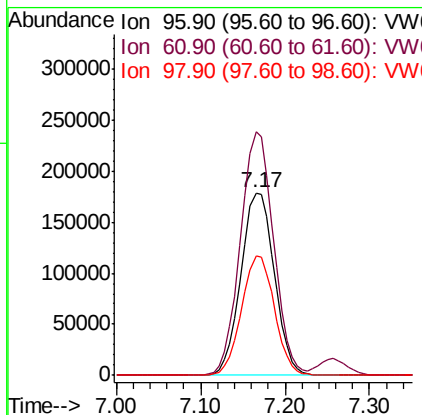
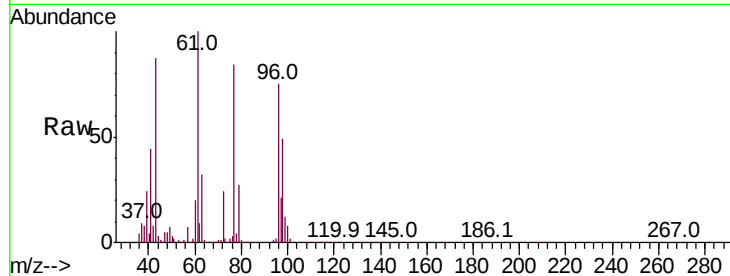
cis-1,2-Dichloroethene
 Concen: 48.339 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

Tot Ion	Ratio	Resp	Lower	Upper
96	100	481341		
61	132.0		0.0	266.4
98	63.9		0.0	129.6

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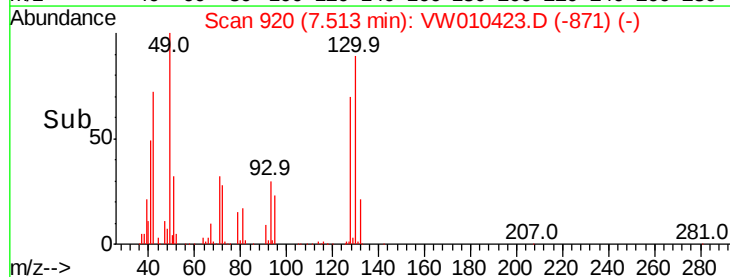
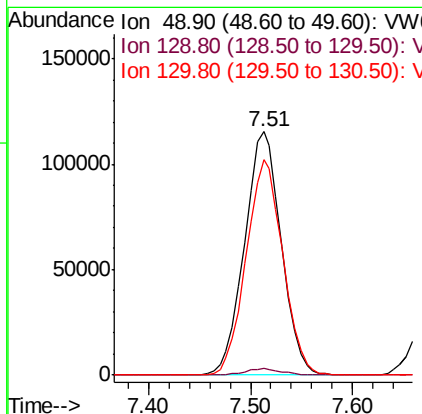
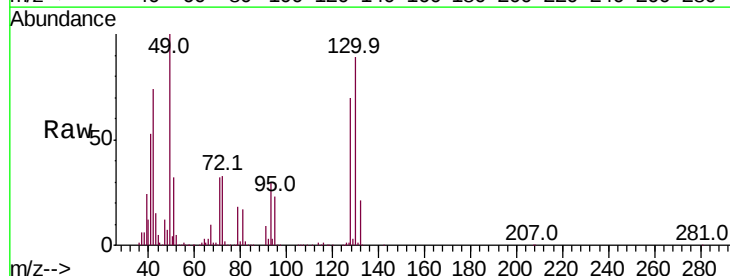
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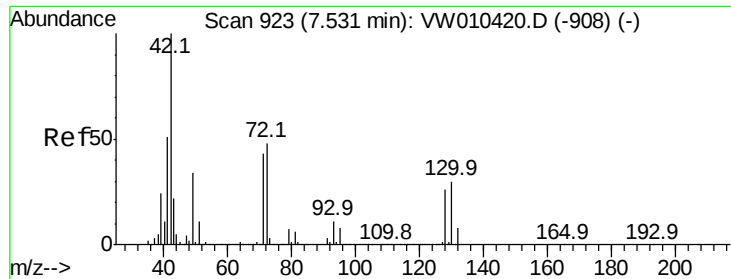


#28

Bromochloromethane
 Concen: 52.783 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	289367		
129	2.5		0.0	4.6
130	88.1		68.2	102.4





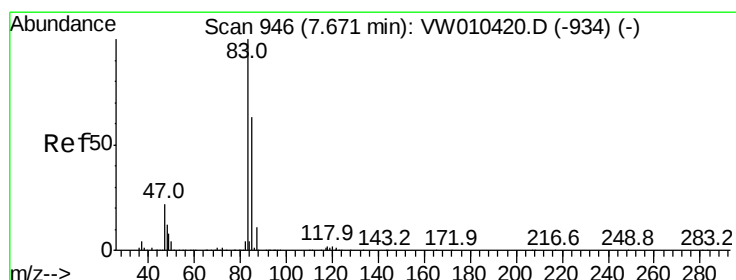
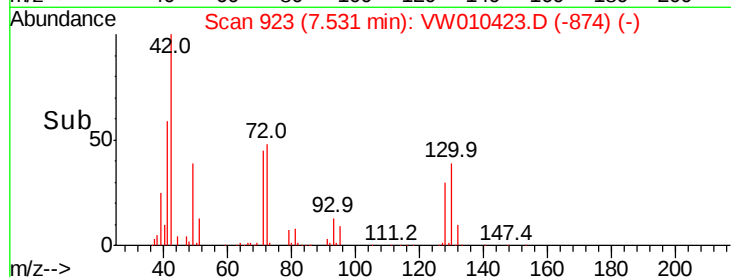
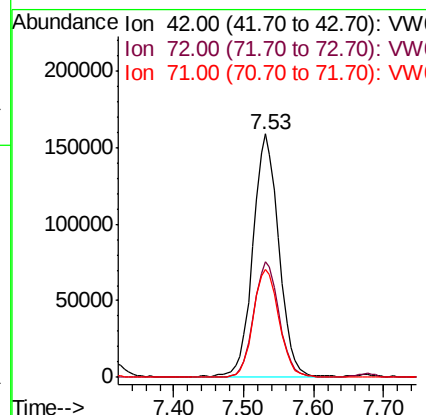
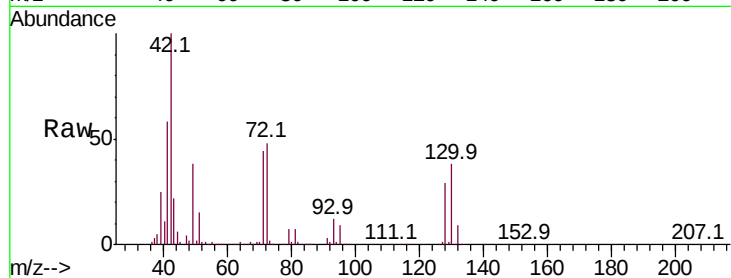
#29
Tetrahydrofuran
Concen: 239.787 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.2	57.2
71	44.2	36.0	54.0

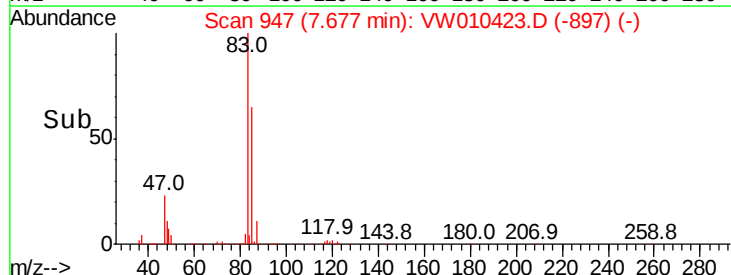
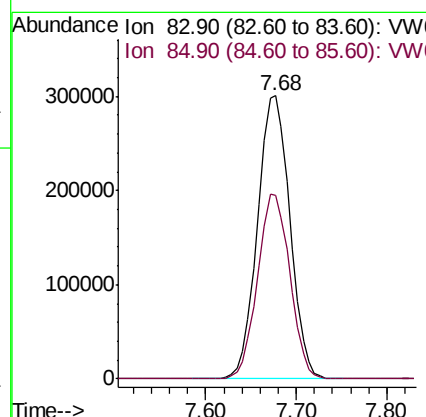
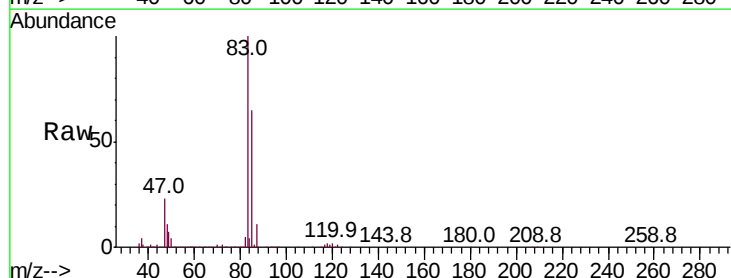
Manual Integrations
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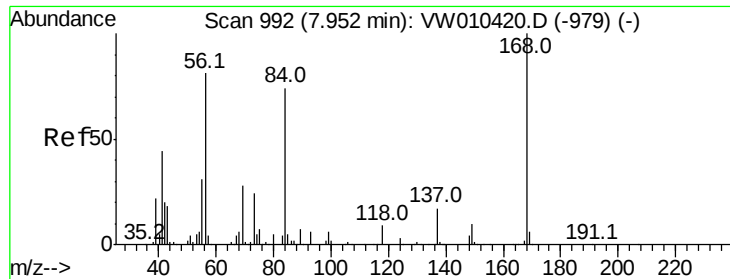
MMDadoda
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#30
Chloroform
Concen: 48.384 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.8	76.2





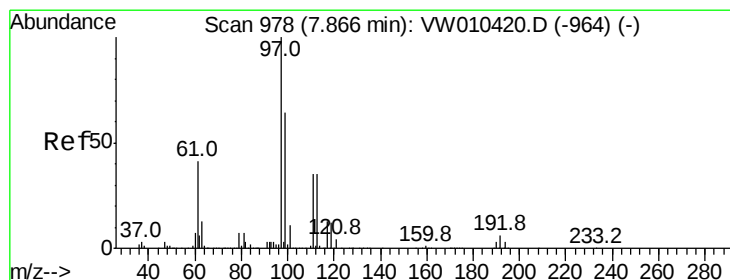
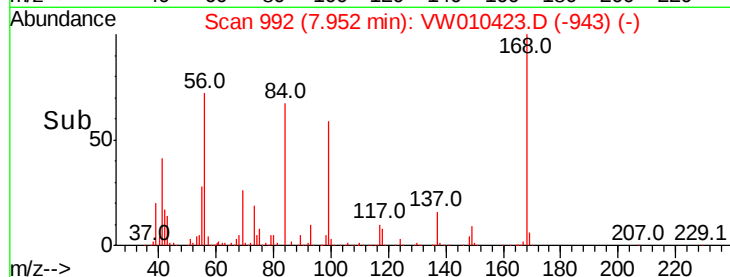
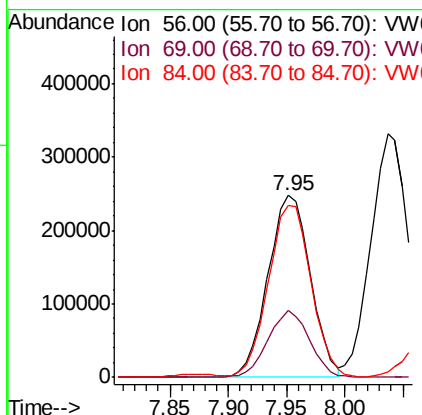
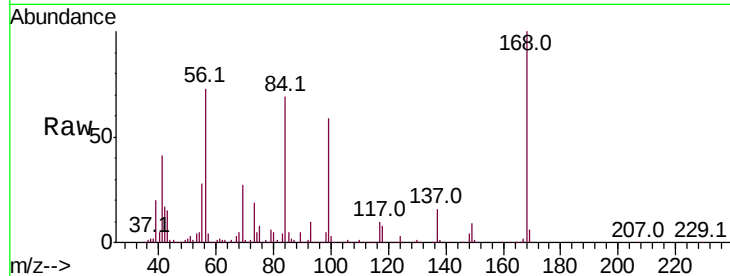
#31
Cyclohexane
Concen: 48.236 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	27.6	41.4
84	93.2	72.9	109.3

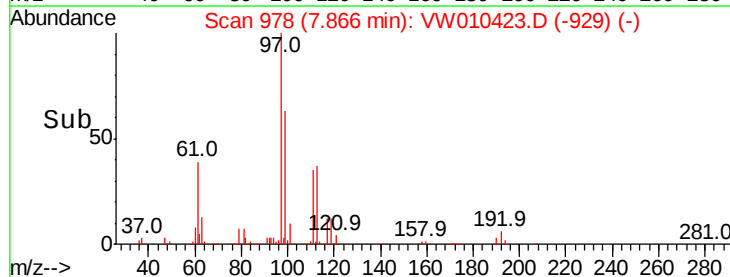
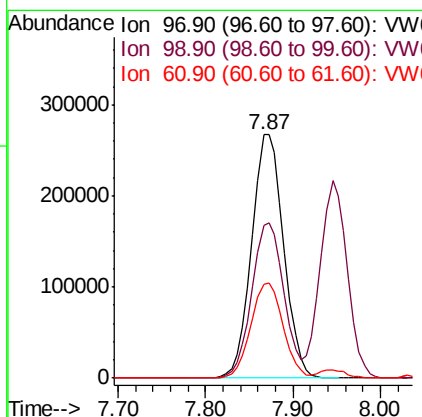
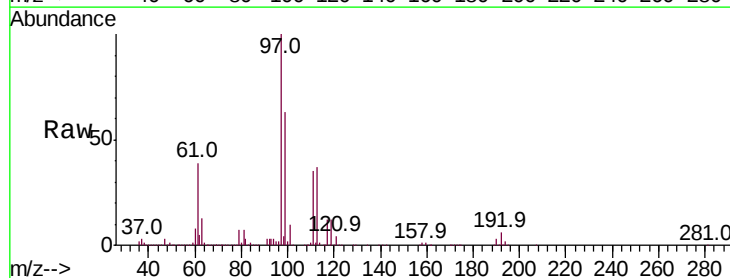
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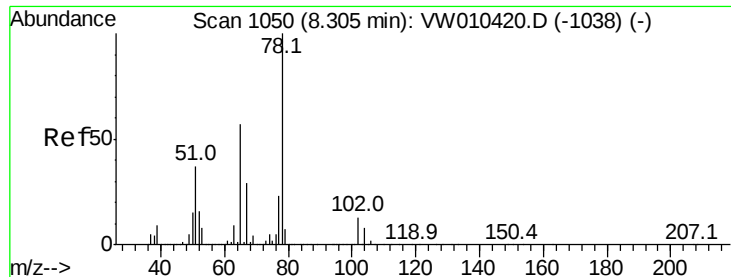
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.721 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	39.5	32.0	48.0





#33

1,2-Dichloroethane-d4

Concen: 52.015 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 65 Resp: 435473

Ion Ratio Lower Upper

65 100

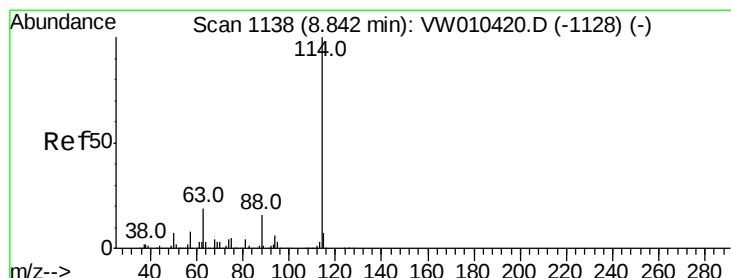
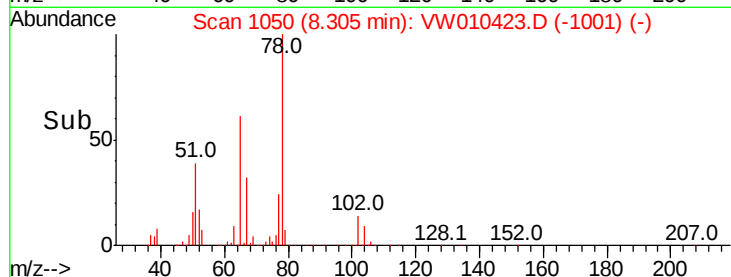
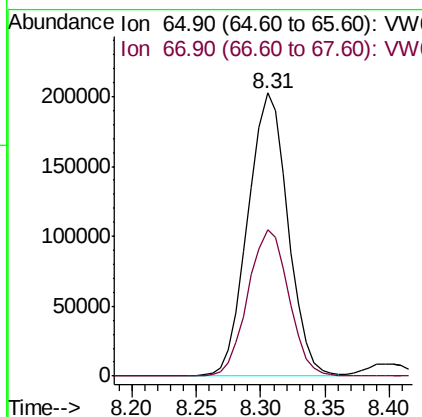
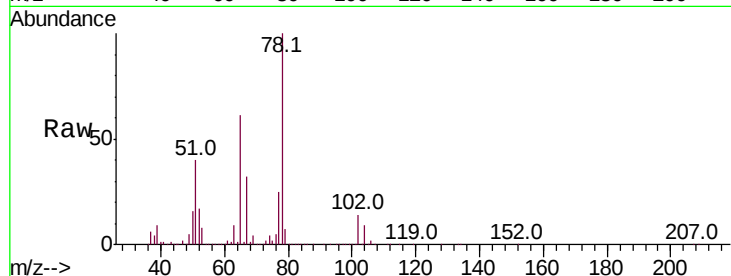
67 52.4 0.0 104.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

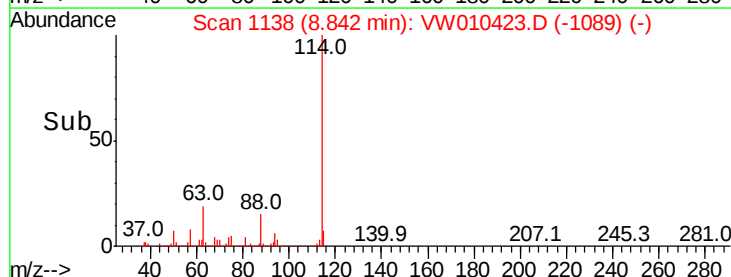
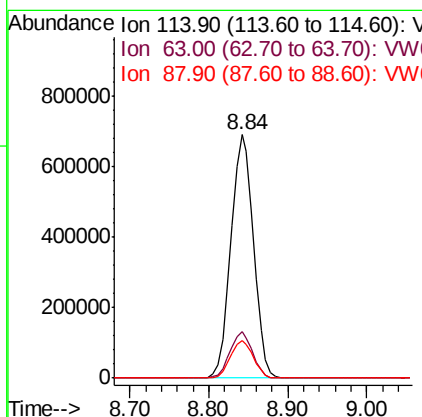
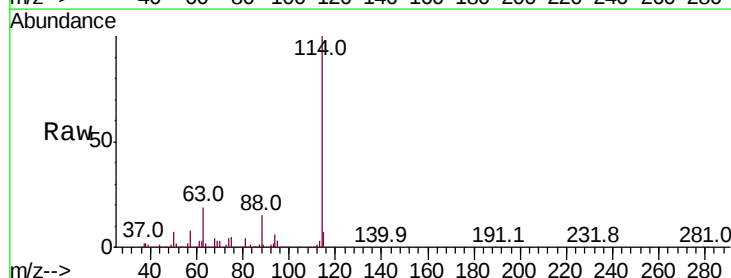
Tgt Ion: 114 Resp: 1372186

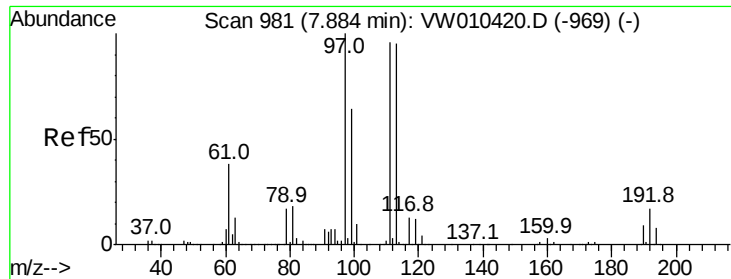
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

88 15.3 0.0 31.6





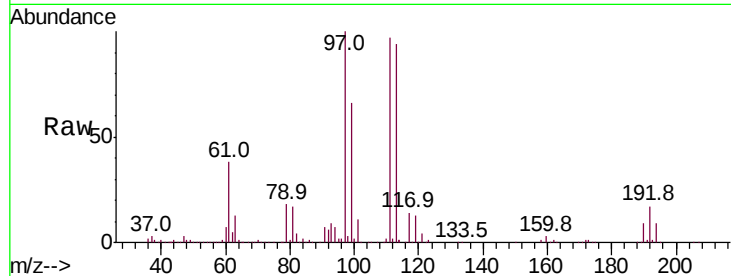
#35
Dibromofluoromethane
Concen: 51.200 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

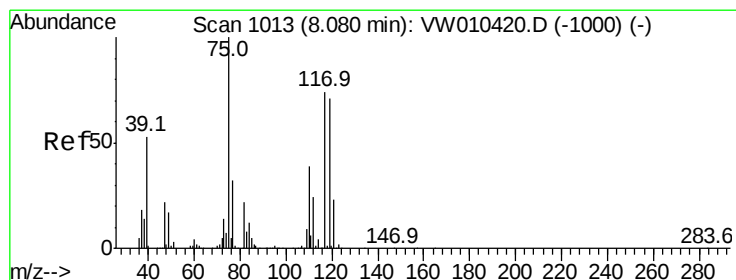
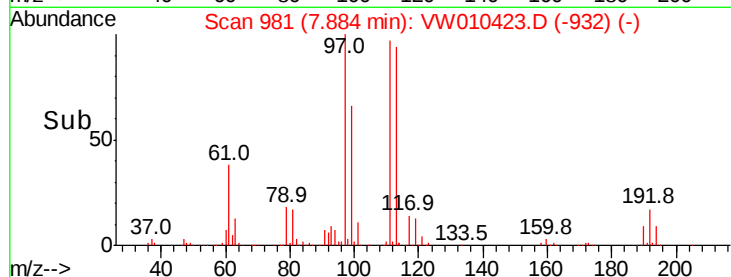
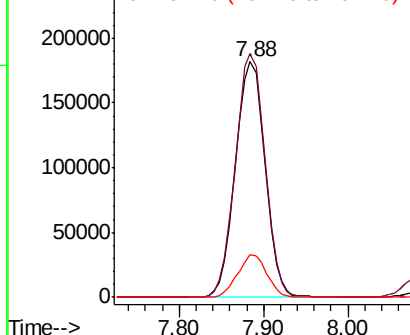
Tot Ion	Ratio	Resp	Lower	Upper
113	100	433923		
111	103.3	82.5	123.7	
192	17.7	14.2	21.4	

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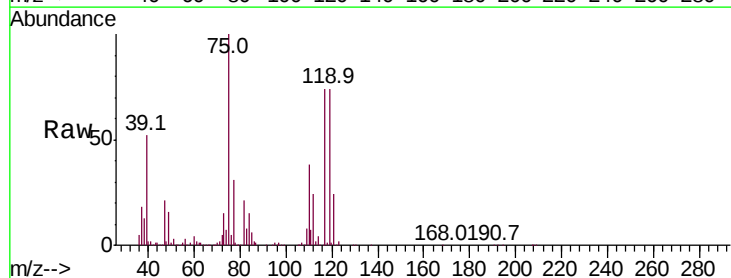


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

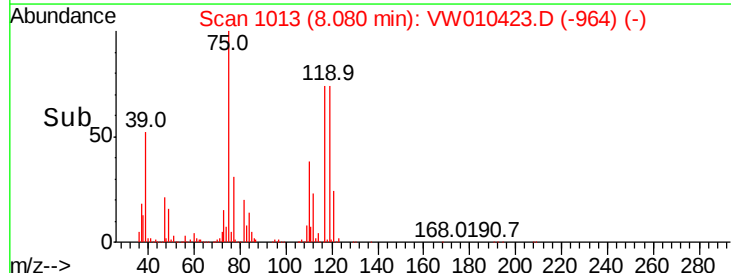
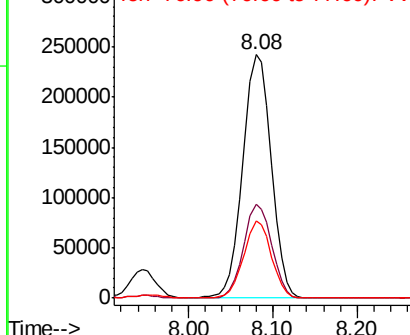


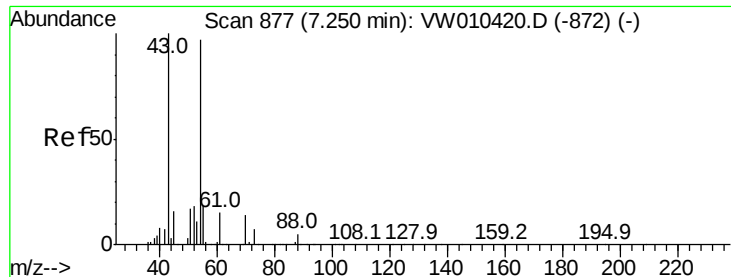
#36
1,1-Dichloropropene
Concen: 45.516 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	552920		
110	38.0	19.4	58.1	
77	30.8	24.7	37.1	



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





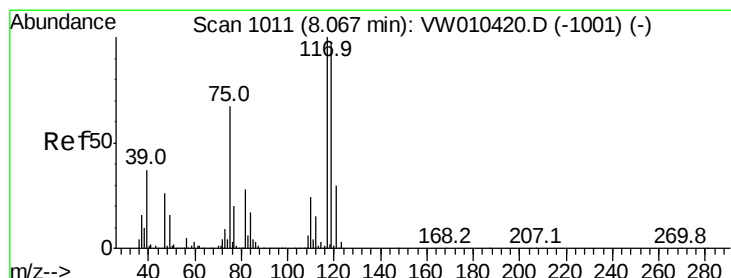
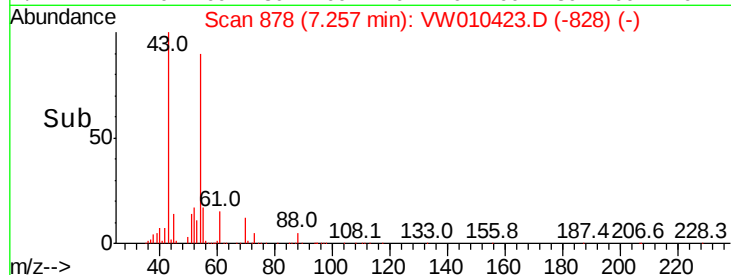
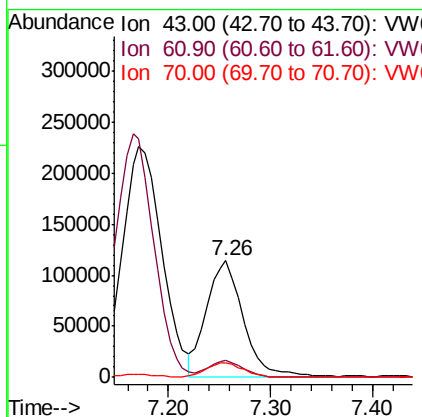
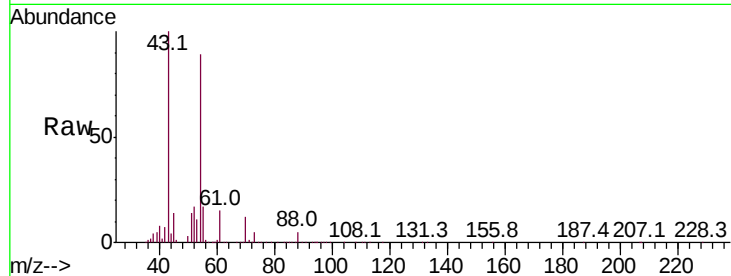
#37
Ethyl Acetate
Concen: 48.662 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	43	Resp	283628
Ion Ratio	100	Lower	Upper
43	100		
61	13.4	11.8	17.6
70	12.6	9.4	14.0

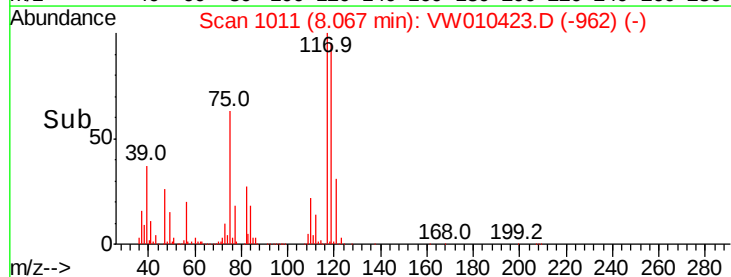
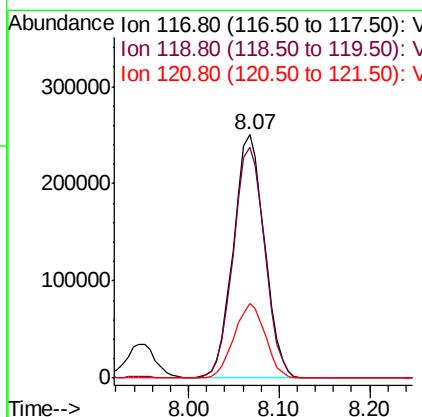
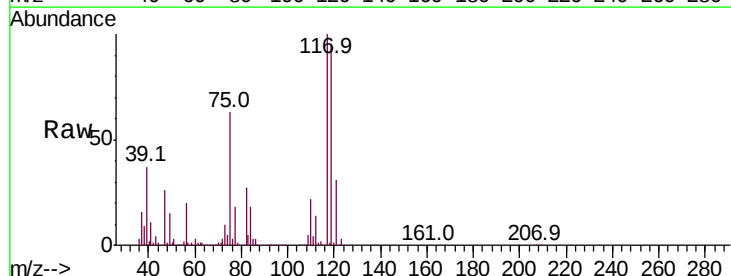
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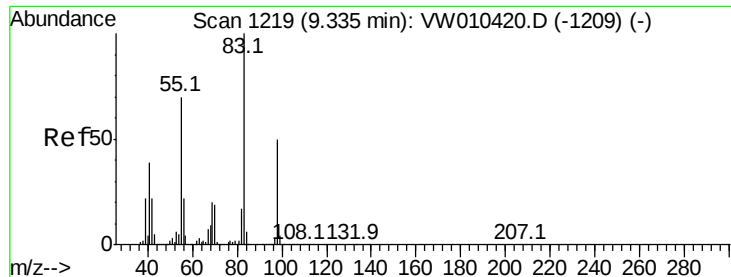
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#38
Carbon Tetrachloride
Concen: 45.470 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	117	Resp	596112
Ion Ratio	100	Lower	Upper
117	100		
119	94.6	77.8	116.6
121	30.6	24.2	36.2





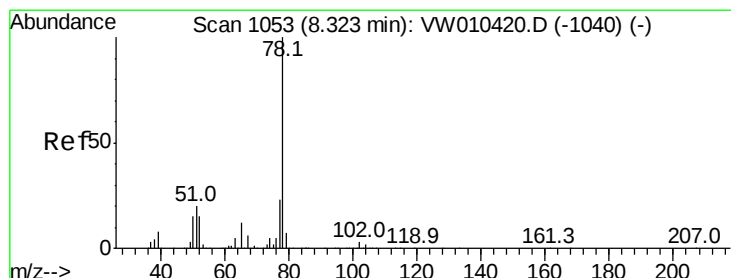
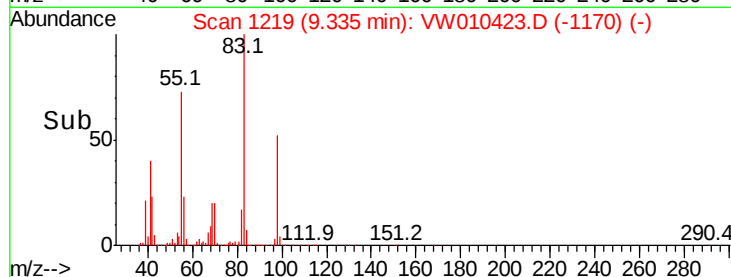
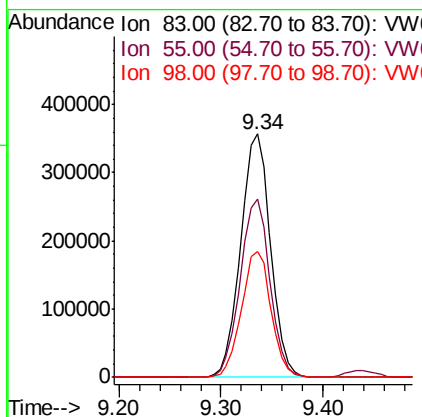
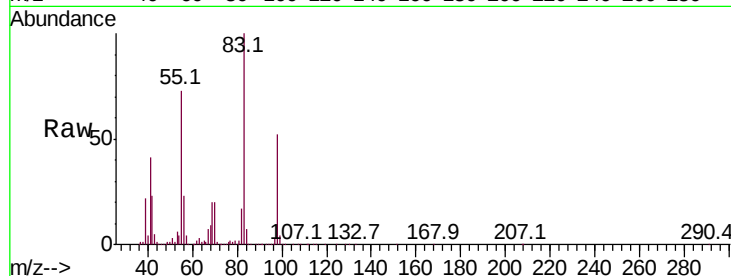
#39
Methvlcvclohexane
Concen: 44.670 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	55.7	83.5
98	51.7	40.2	60.4

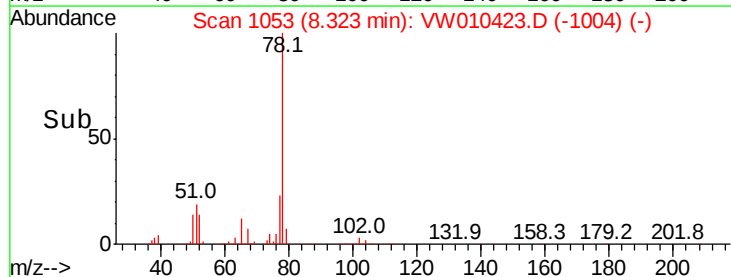
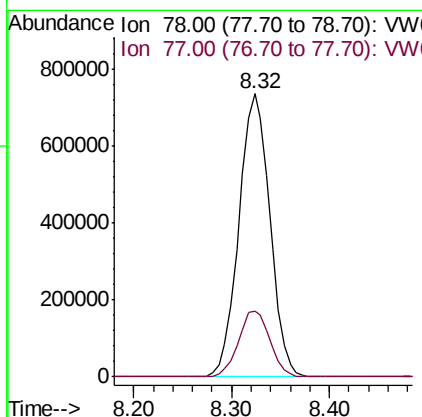
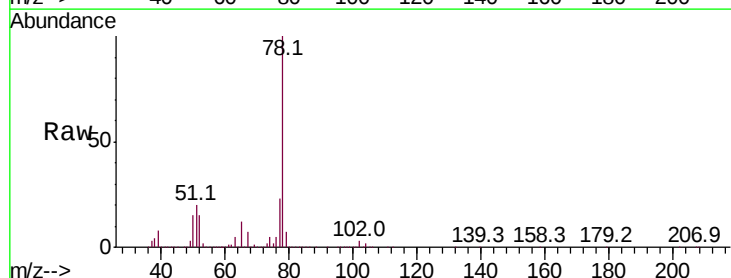
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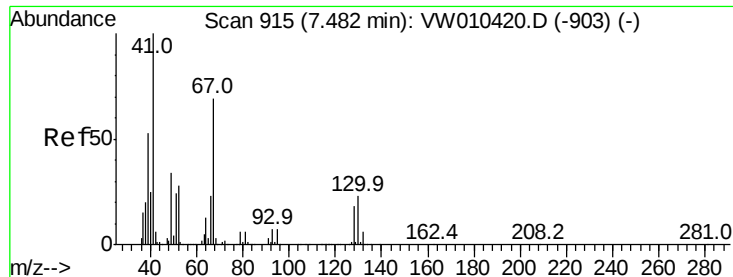
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#40
Benzene
Concen: 46.588 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





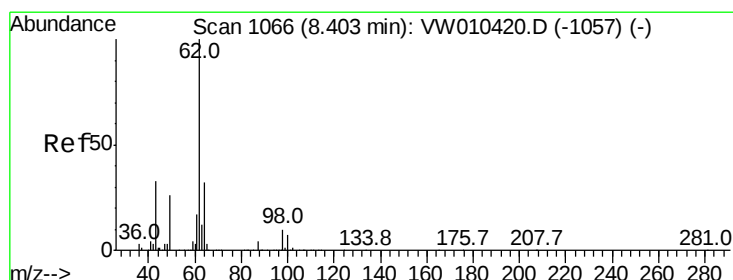
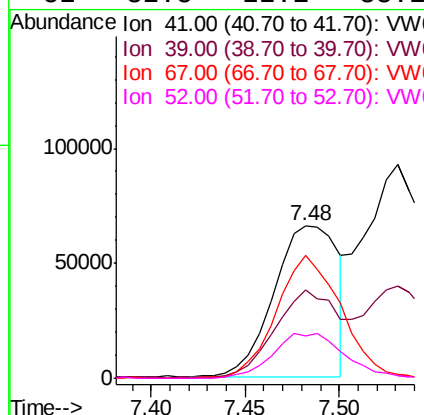
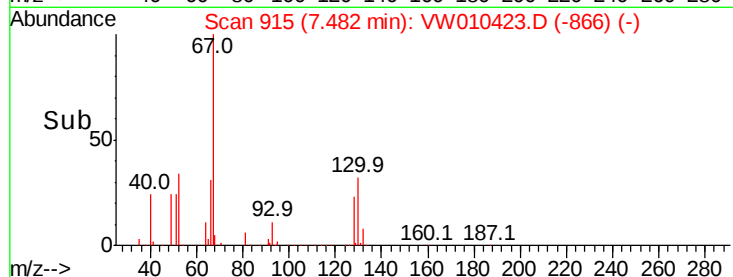
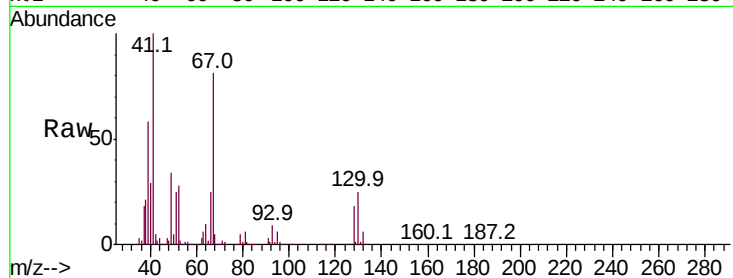
#41
Methacrylonitrile
Concen: 44.468 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.2	38.1	57.1#
67	81.5	55.5	83.3
52	32.8	22.1	33.1

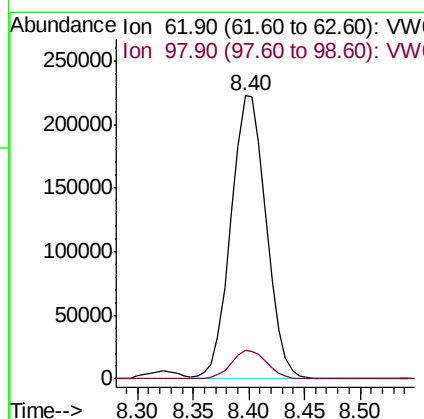
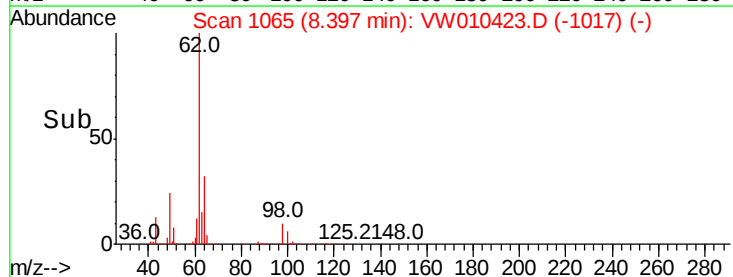
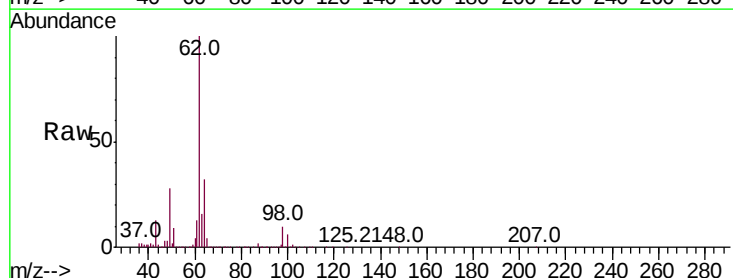
Manual Integrations
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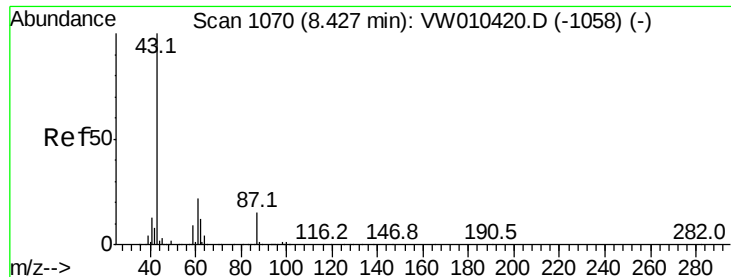
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.235 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





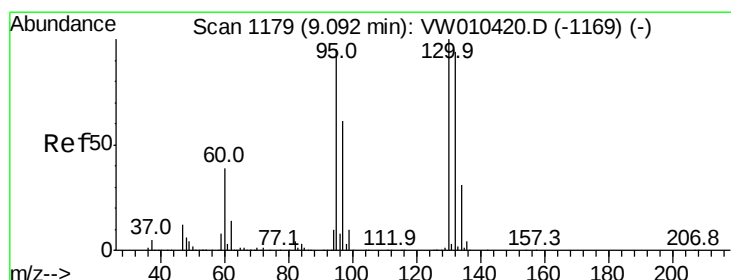
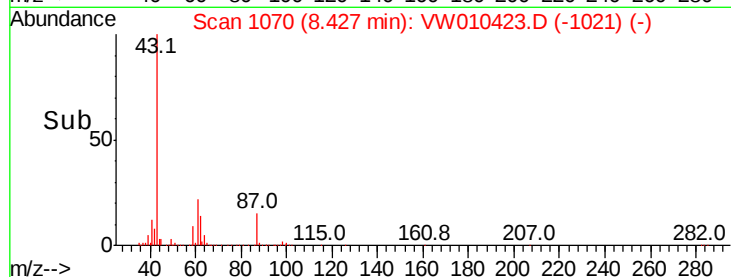
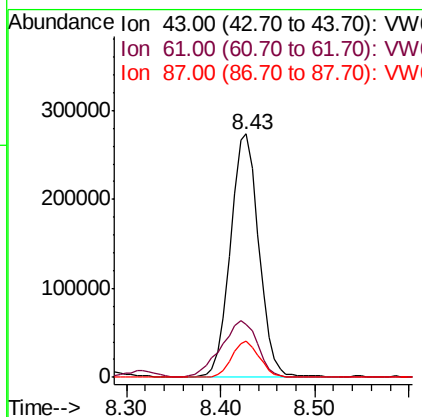
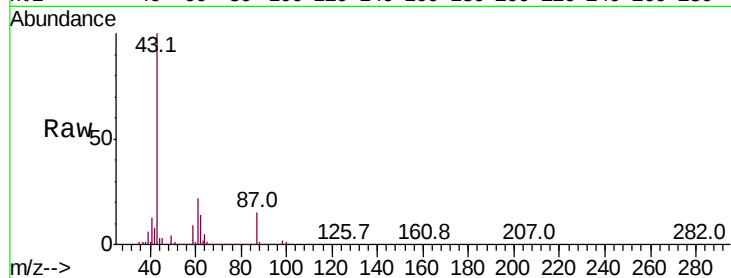
#43
Isopropyl Acetate
Concen: 48.002 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.4	36.6
87	14.7	11.8	17.8

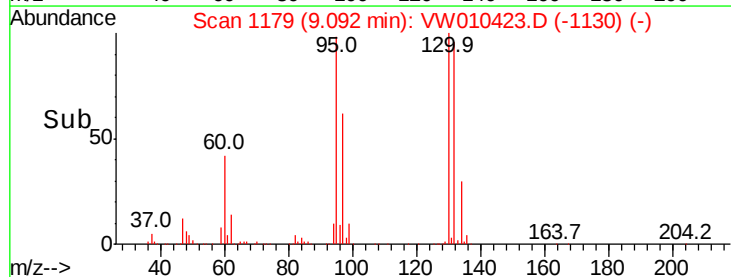
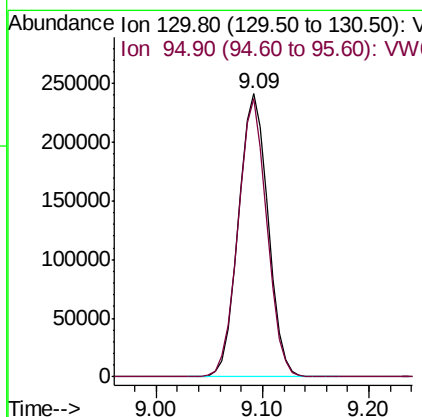
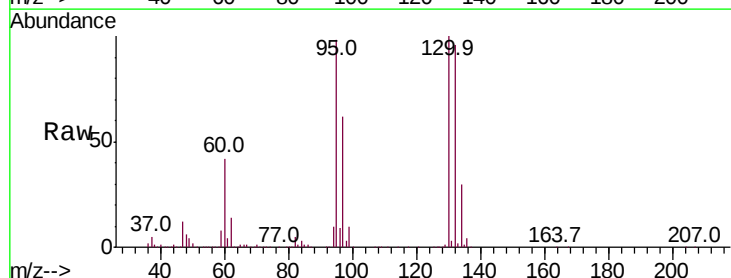
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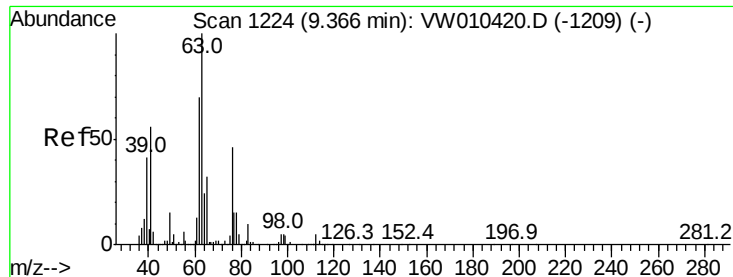
MMDadoda
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#44
Trichloroethene
Concen: 47.377 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	190.4





#45

1,2-Dichloropropane

Concen: 47.377 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 63 Resp: 402079

Ion Ratio Lower Upper

63 100

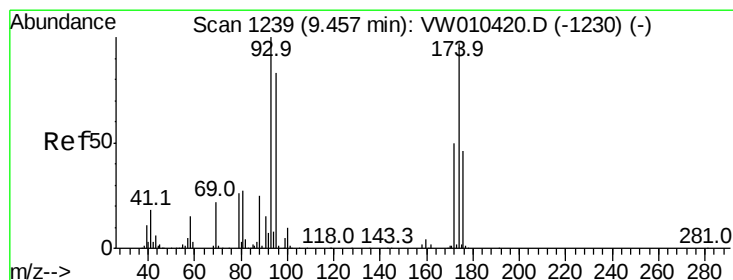
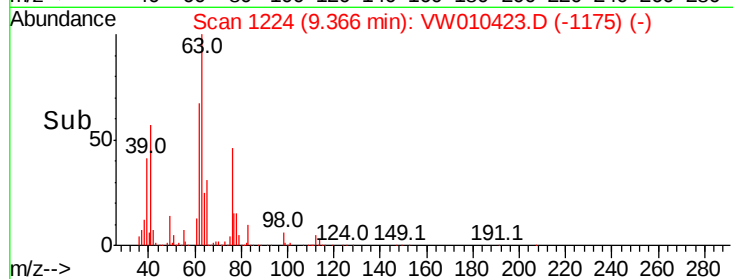
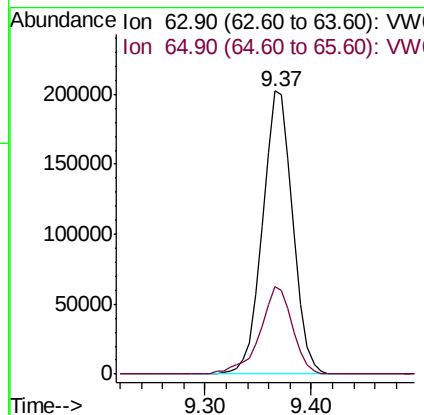
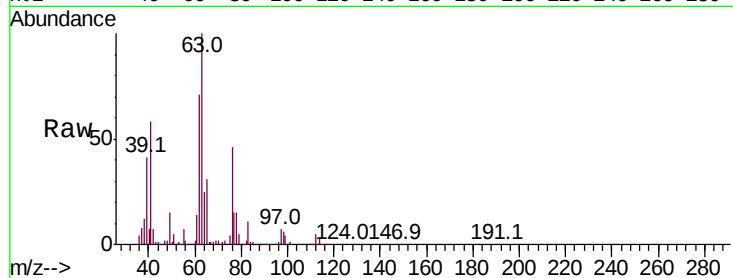
65 30.9 25.4 38.2

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#46

Dibromomethane

Concen: 47.574 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

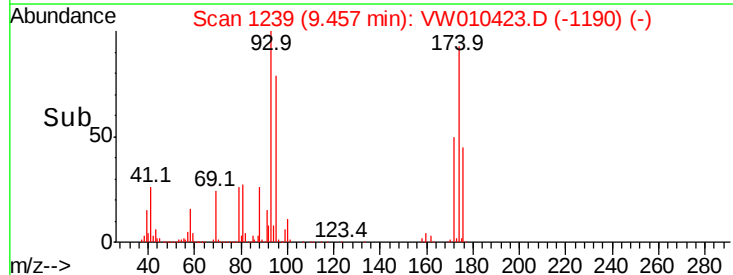
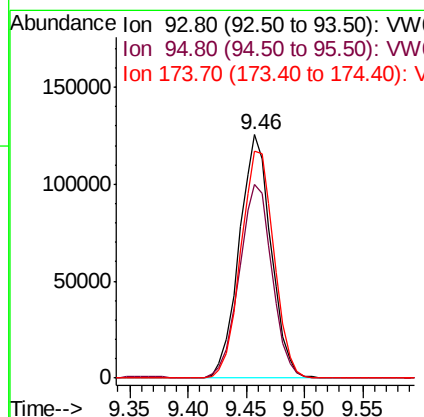
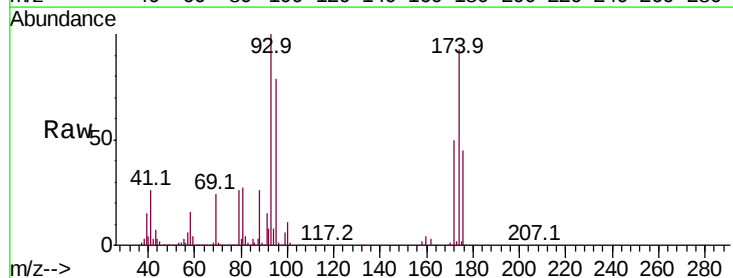
Tgt Ion: 93 Resp: 238506

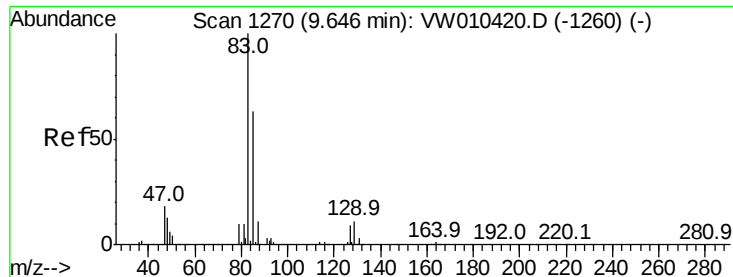
Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 97.5 76.4 114.6





#47

Bromodichloromethane

Concen: 47.743 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

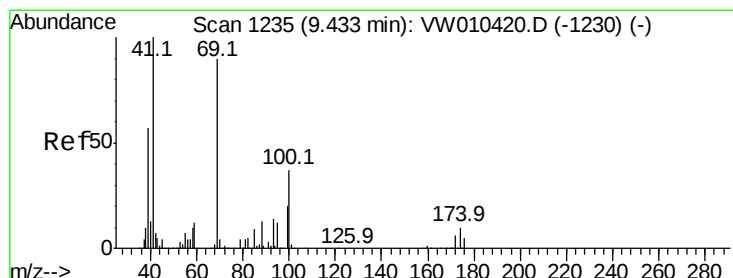
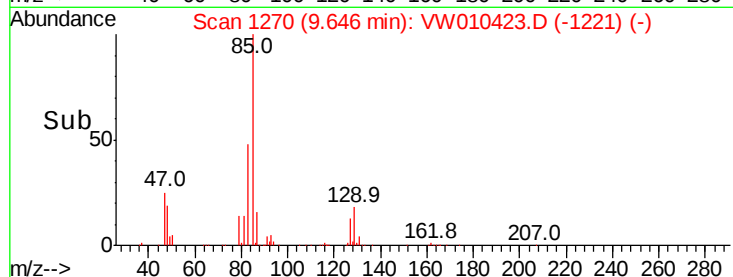
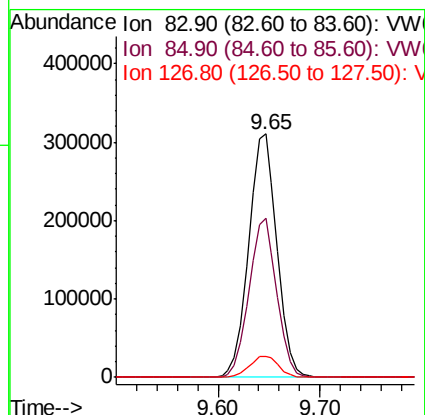
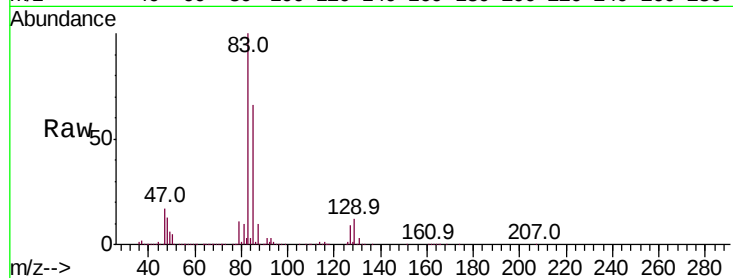
ClientSampleId :

ICVW051719

Tot Ion	83	Resp	594785
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.0	75.0
127	8.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.903 ug/l

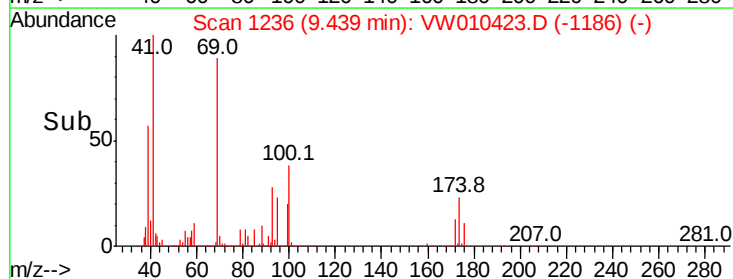
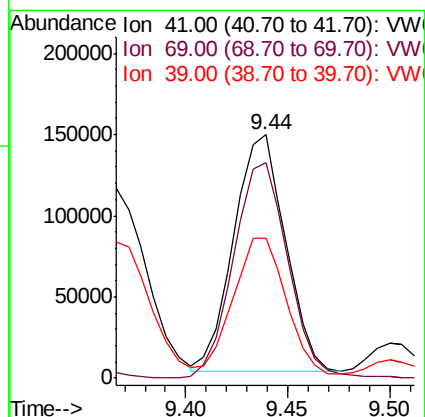
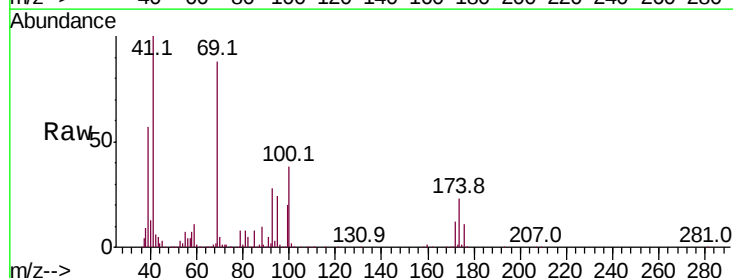
RT: 9.44 min Scan# 1236

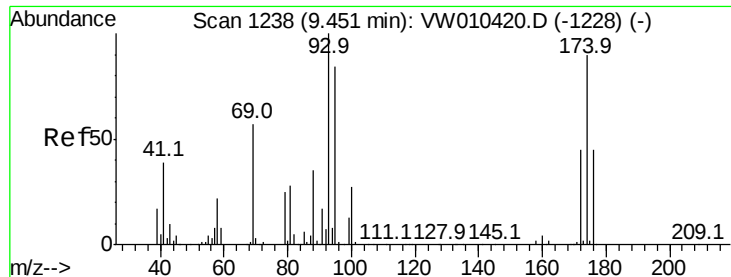
Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion	41	Resp	256531
Ion Ratio	Lower	Upper	
41	100		
69	95.2	75.2	112.8
39	58.1	46.8	70.2





#49

1,4-Dioxane

Concen: 924.094 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 88 Resp: 68564

Ion Ratio Lower Upper

88 100

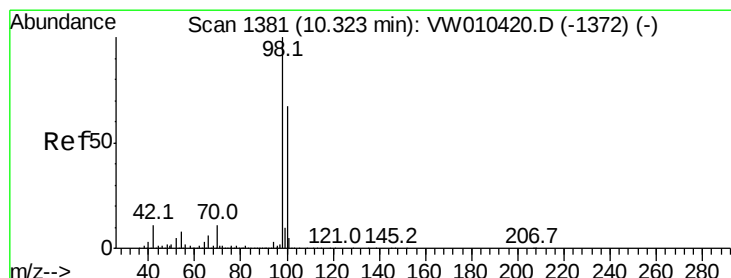
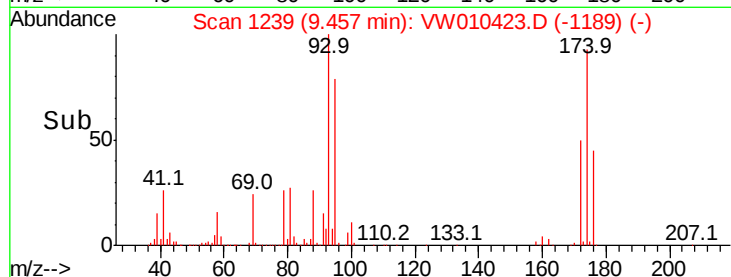
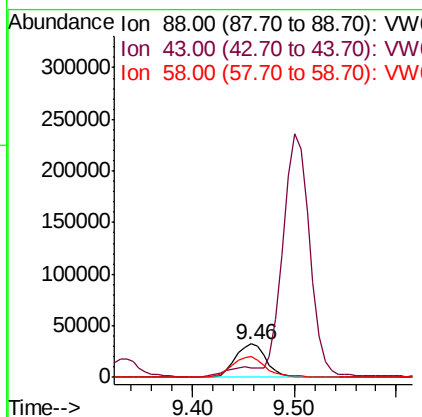
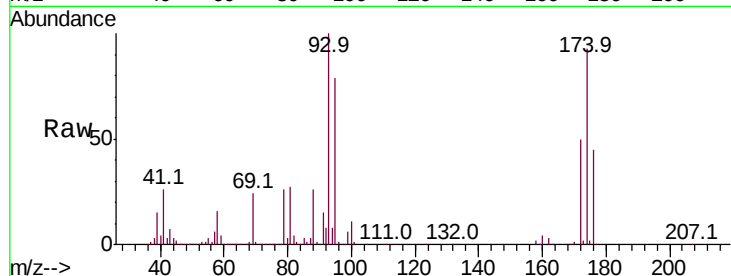
43 29.2 24.9 37.3

58 68.8 55.0 82.6

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#50

Toluene-d8

Concen: 51.284 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010423.D

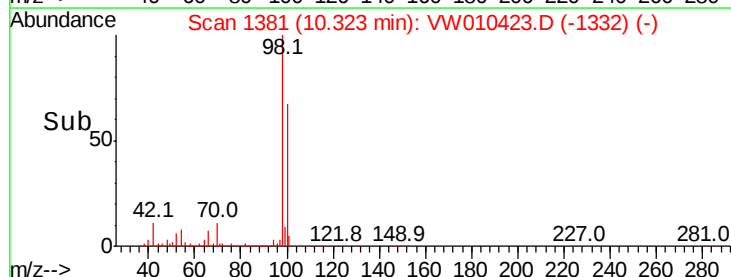
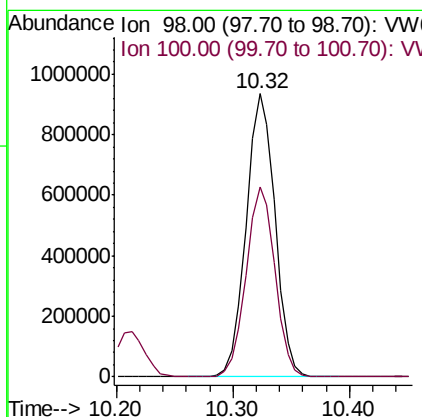
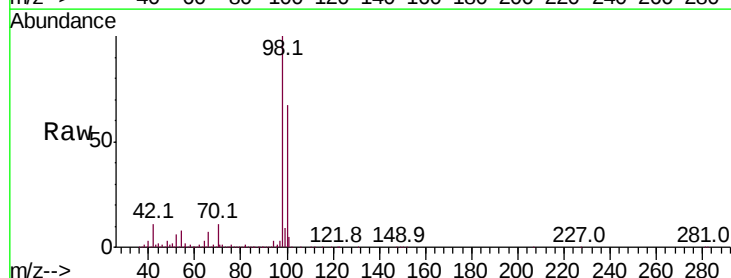
Acq: 17 May 2019 20:08

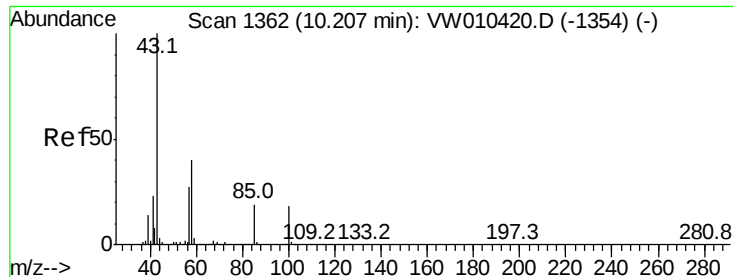
Tgt Ion: 98 Resp: 1620799

Ion Ratio Lower Upper

98 100

100 67.1 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 237.867 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 43 Resp: 1444200

Ion Ratio Lower Upper

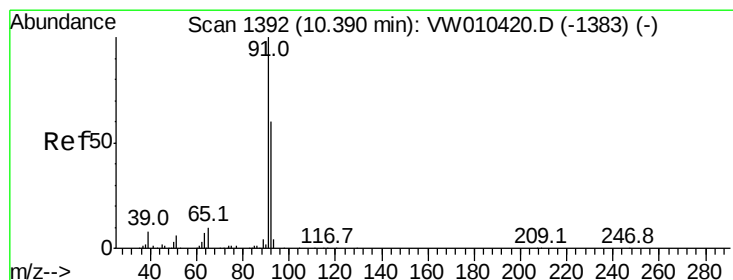
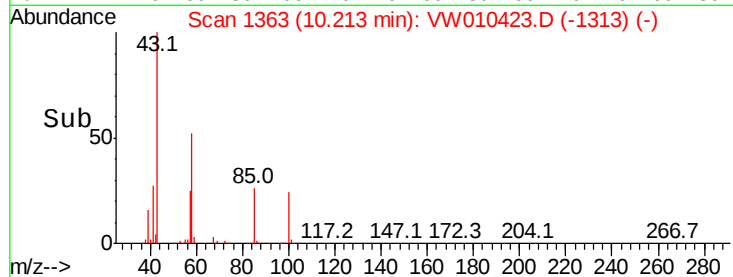
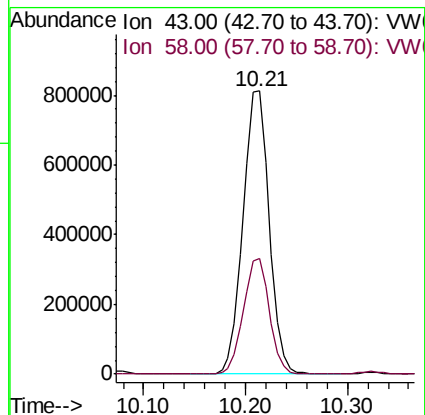
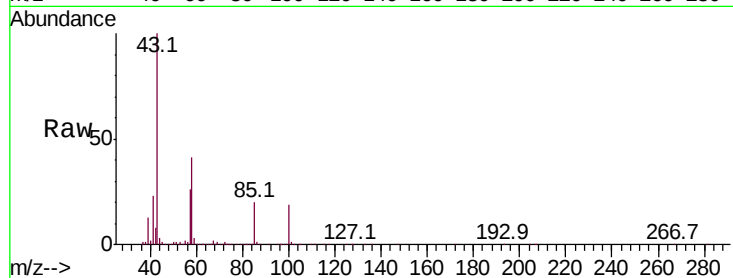
43 100

58 40.6 32.7 49.1

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#52

Toluene

Concen: 46.304 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010423.D

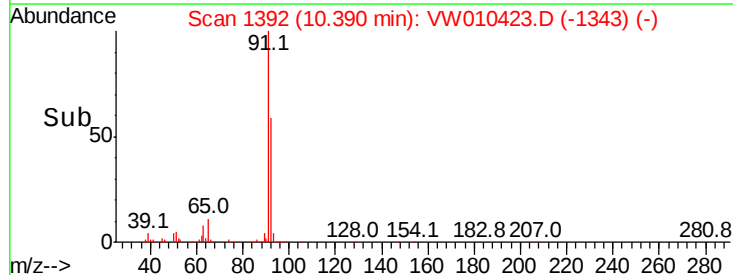
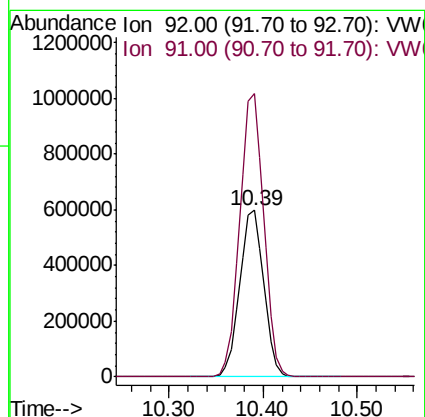
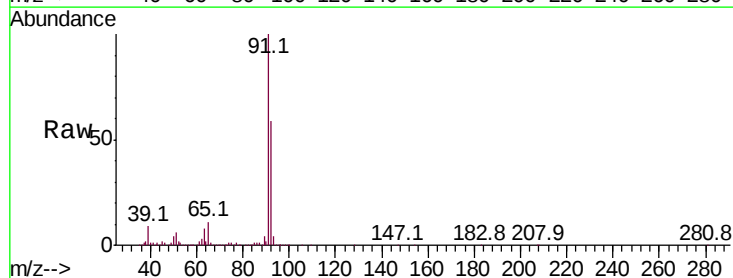
Acq: 17 May 2019 20:08

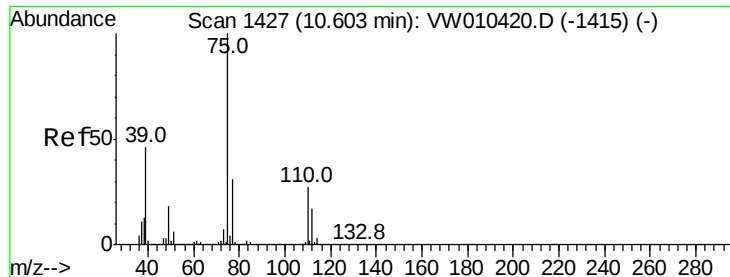
Tgt Ion: 92 Resp: 1066203

Ion Ratio Lower Upper

92 100

91 169.5 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 47.217 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :
MSVOA_W

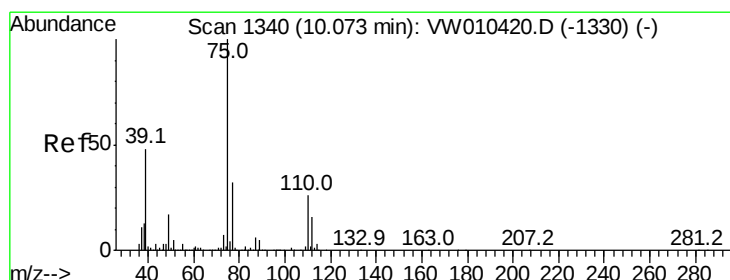
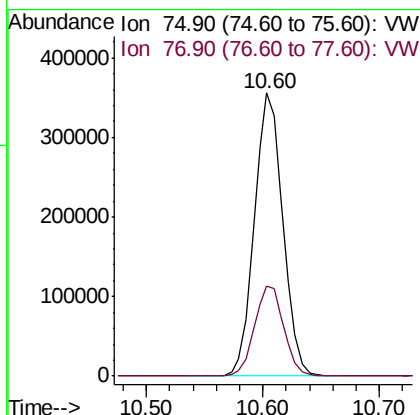
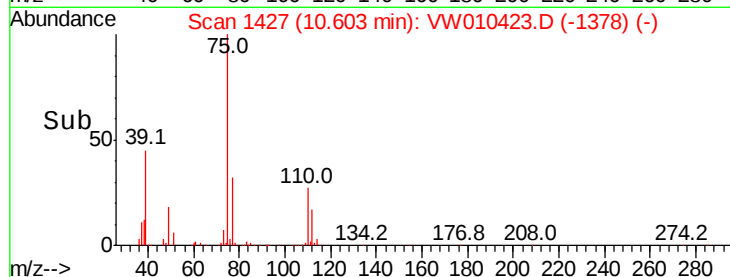
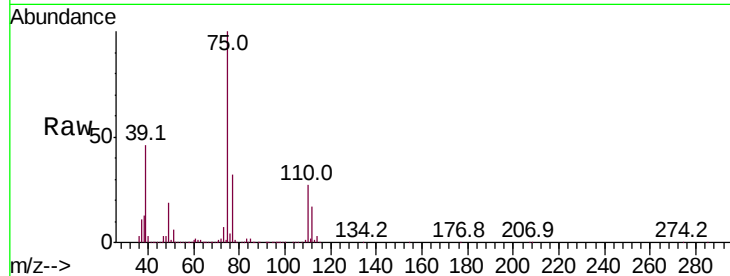
ClientSampleId :
ICVW051719

Tot Ion: 75 Resp: 606663

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	37.0

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#54

cis-1,3-Dichloropropene

Concen: 46.516 ug/l

RT: 10.07 min Scan# 1340

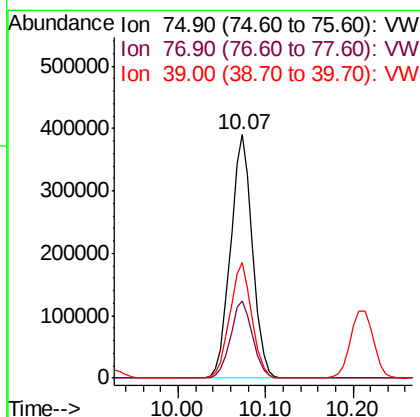
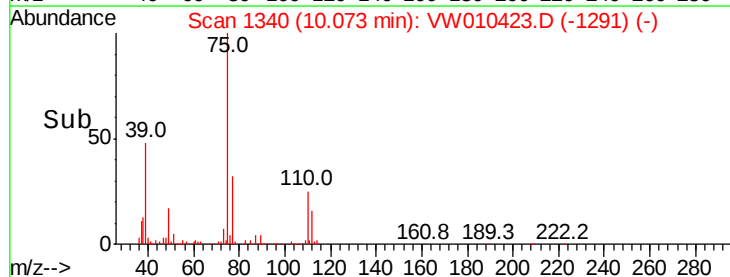
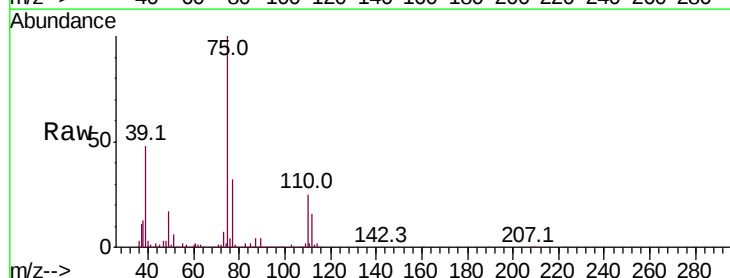
Delta R.T. 0.00 min

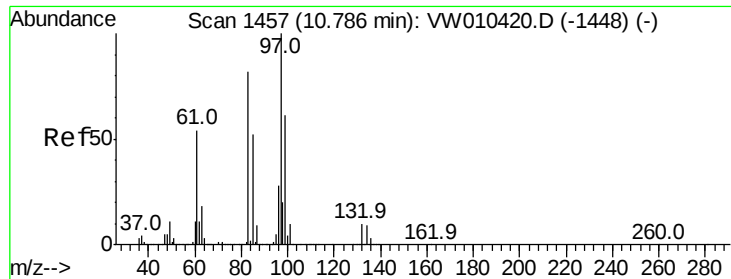
Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion: 75 Resp: 677561

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	47.6	38.1	57.1





#55

1,1,2-Trichloroethane

Concen: 47.756 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

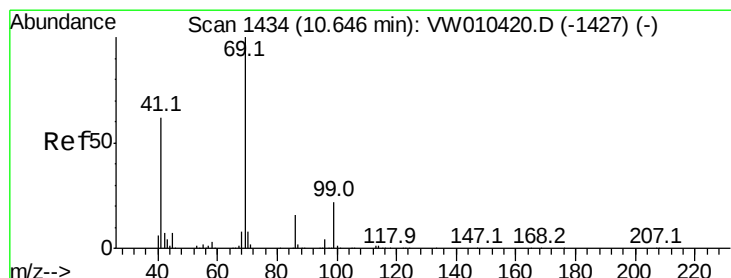
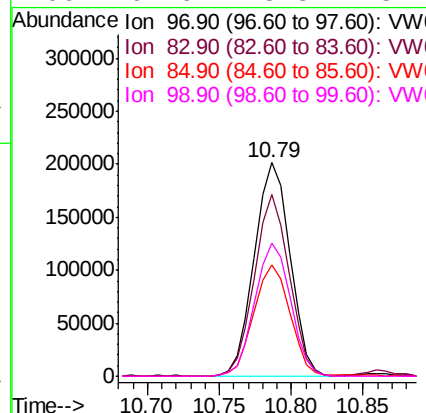
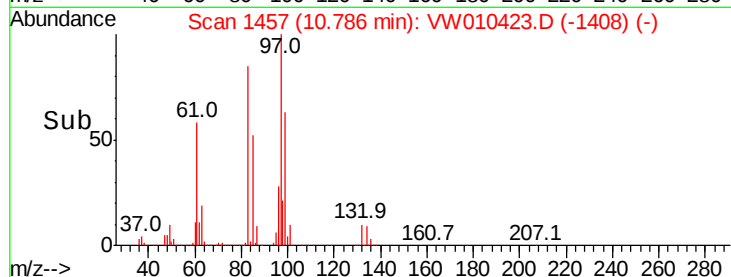
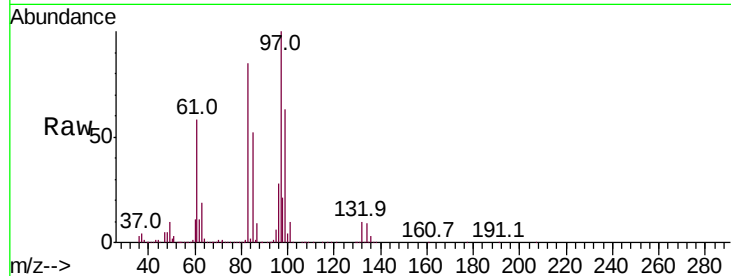
ClientSampleId :

ICVW051719

Tot Ion	97	Resp	345435
Ion Ratio	Lower	Upper	
97	100		
83	85.1	65.6	98.4
85	52.4	41.6	62.4
99	62.6	48.8	73.2

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#56

Ethyl methacrylate

Concen: 48.779 ug/l

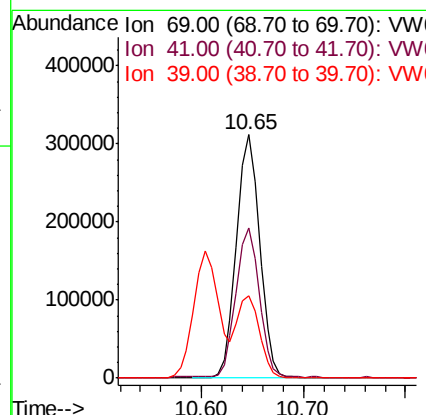
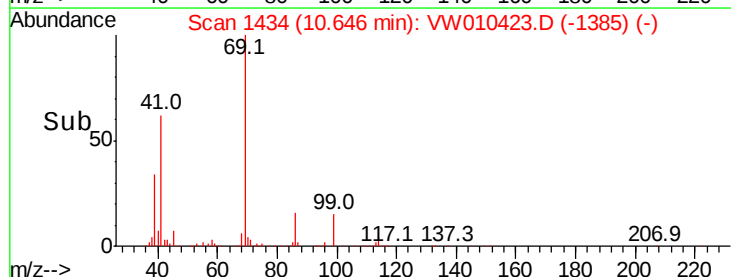
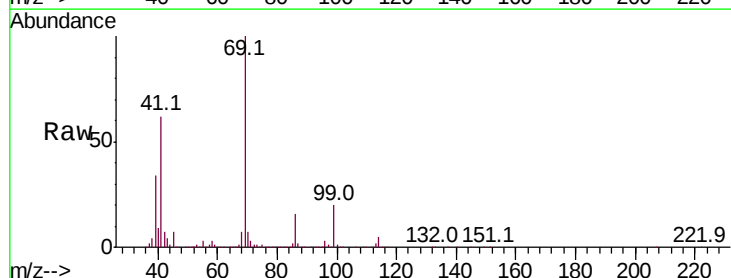
RT: 10.65 min Scan# 1434

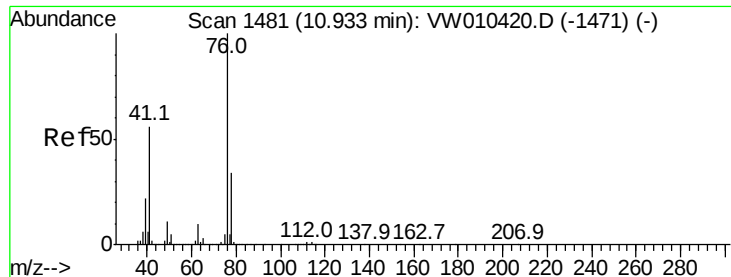
Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion	69	Resp	492339
Ion Ratio	Lower	Upper	
69	100		
41	61.5	50.0	75.0
39	32.2	26.5	39.7





#57

1,3-Dichloropropane

Concen: 48.125 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 76 Resp: 583553

Ion Ratio Lower Upper

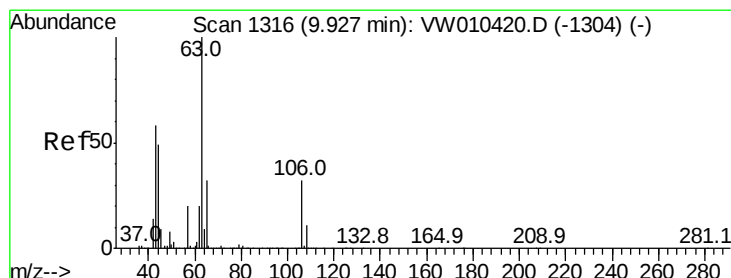
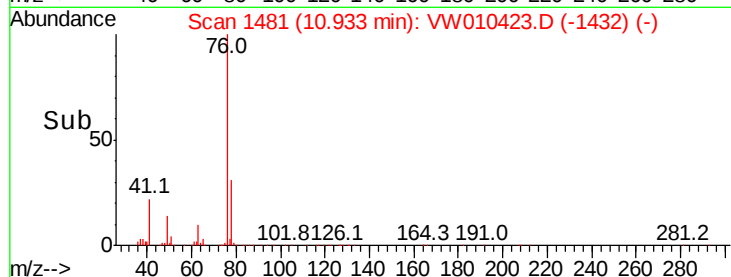
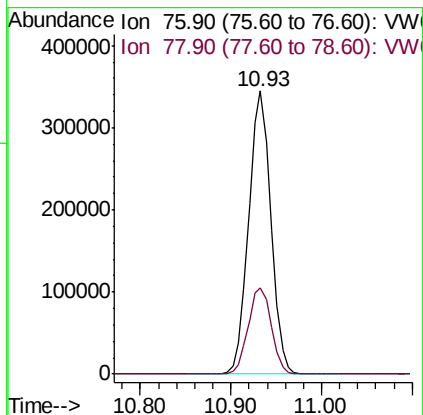
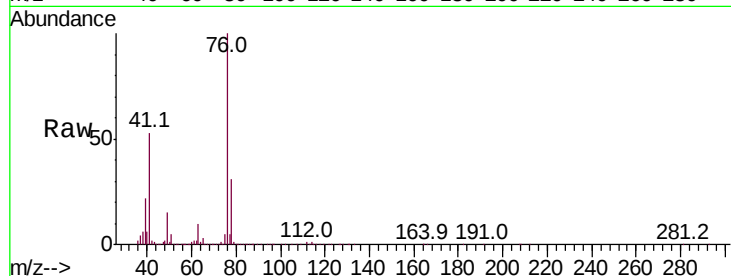
76 100

78 32.1 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 245.250 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010423.D

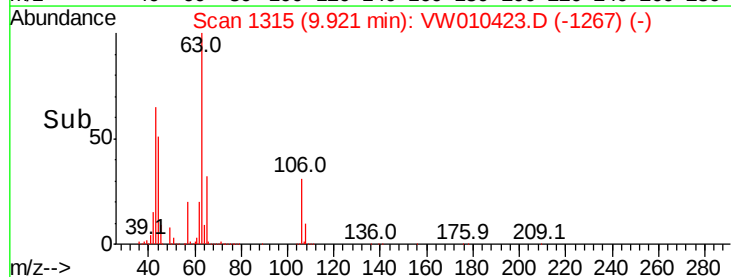
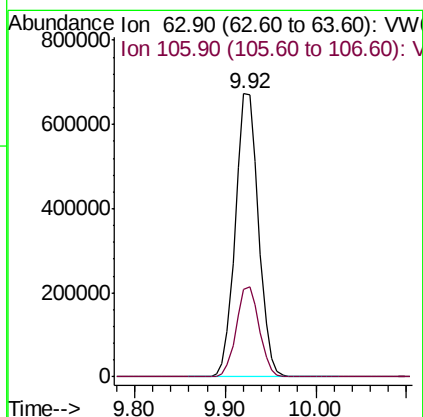
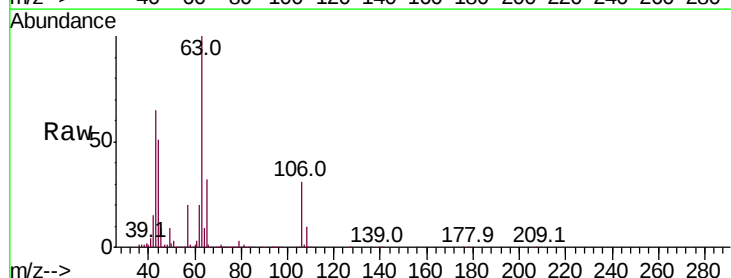
Acq: 17 May 2019 20:08

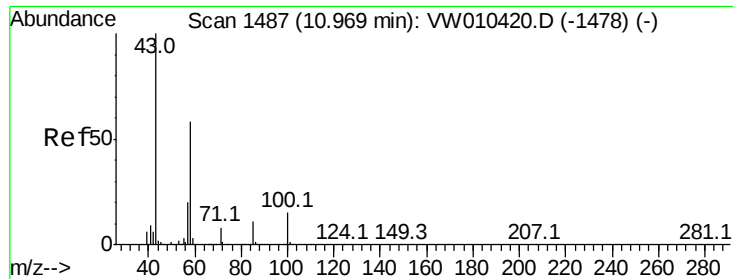
Tgt Ion: 63 Resp: 1189405

Ion Ratio Lower Upper

63 100

106 31.7 25.2 37.8





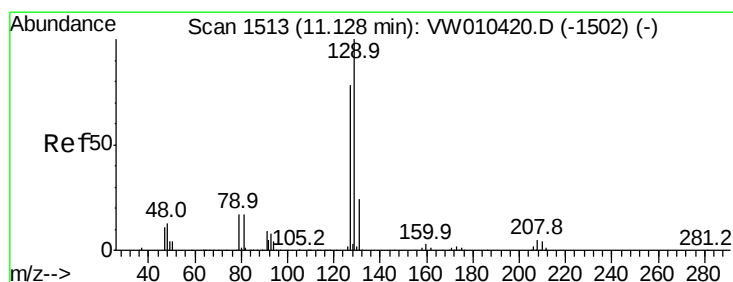
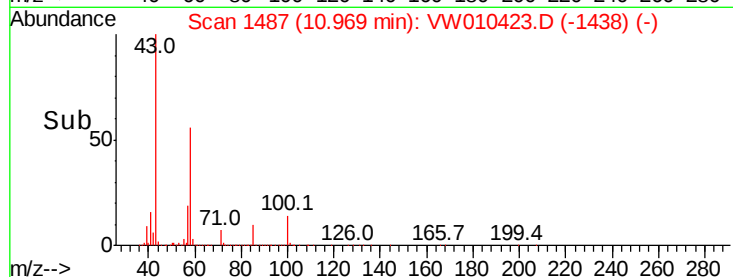
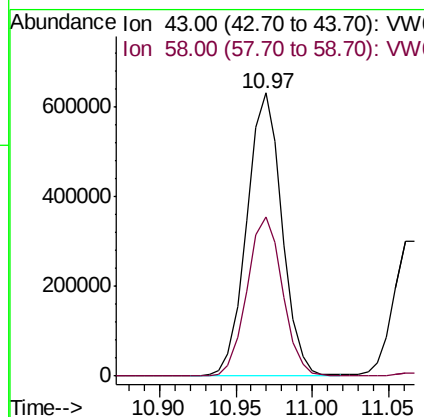
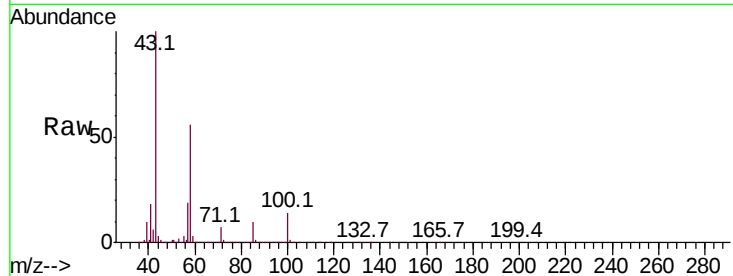
#59
2-Hexanone
Concen: 237.988 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion: 43 Resp: 1006163
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.6

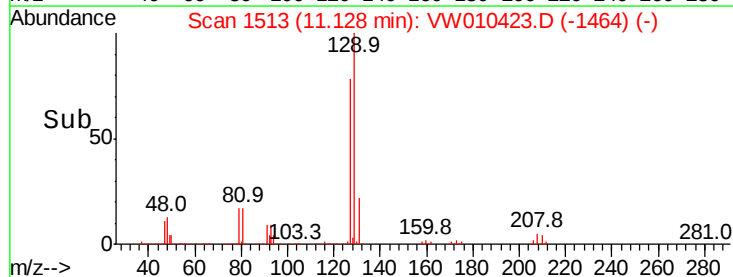
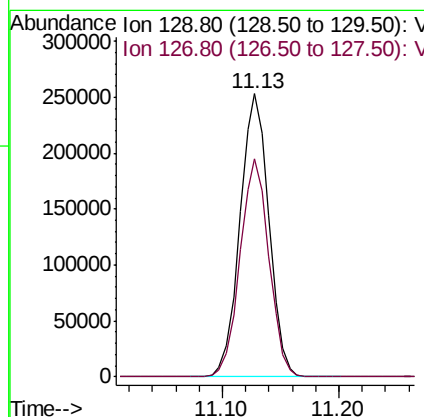
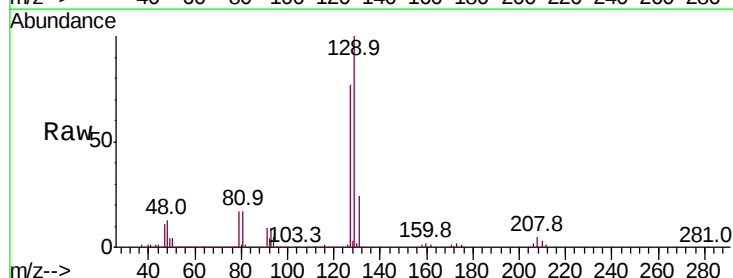
Manual Integrations
APPROVED

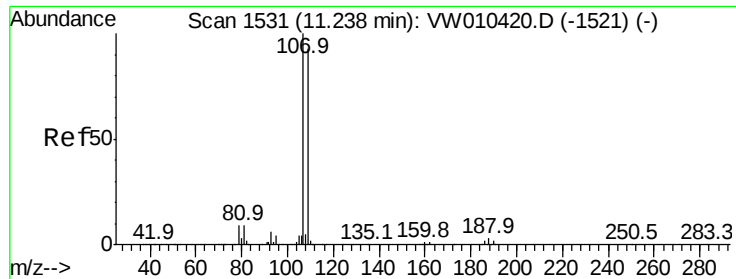
MMDadoda
5/20/2019 12:16:21 PM



#60
Dibromochloromethane
Concen: 48.745 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion: 129 Resp: 437536
Ion Ratio Lower Upper
129 100
127 76.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.047 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 107 Resp: 344897

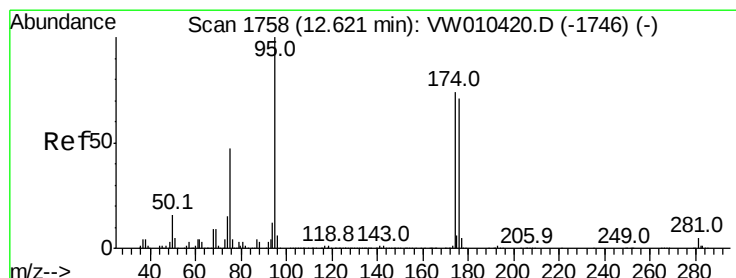
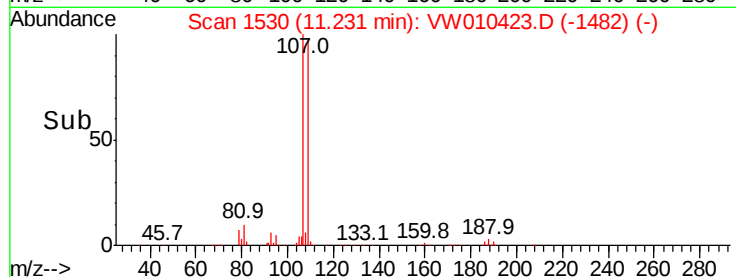
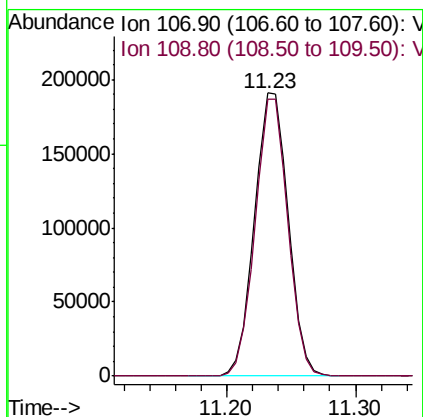
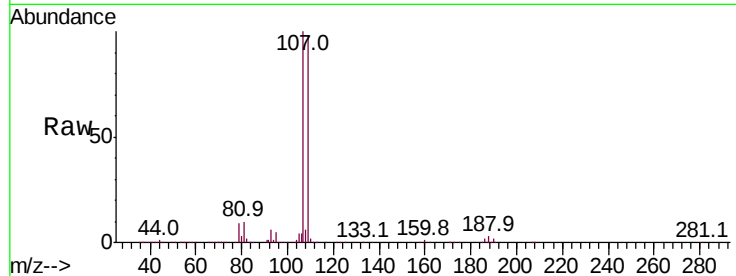
Ion Ratio Lower Upper

107 100

109 95.2 74.8 112.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.910 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

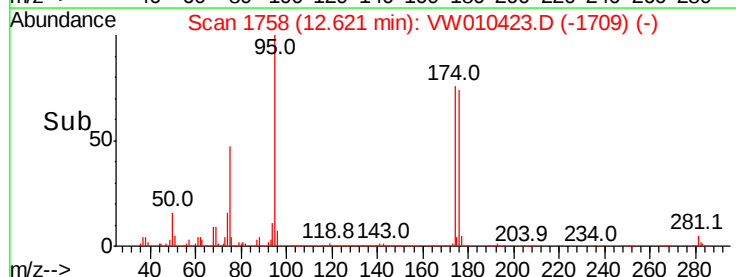
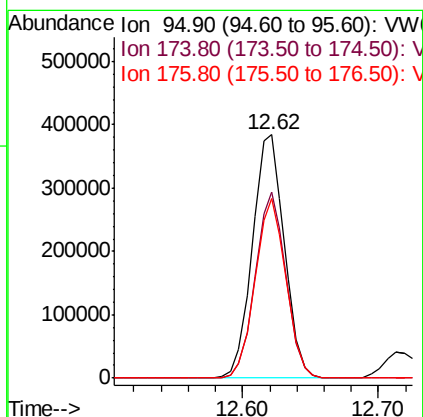
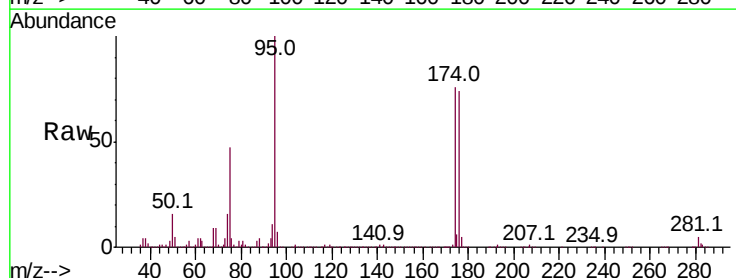
Tgt Ion: 95 Resp: 631698

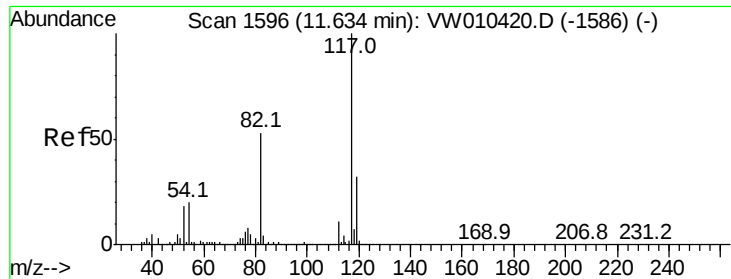
Ion Ratio Lower Upper

95 100

174 73.2 0.0 146.6

176 71.2 0.0 141.4





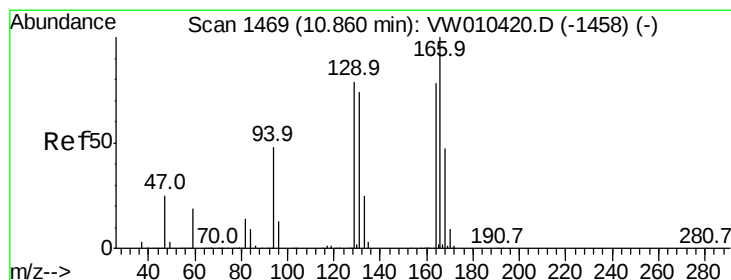
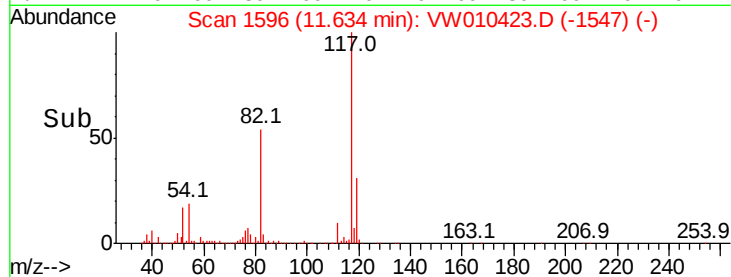
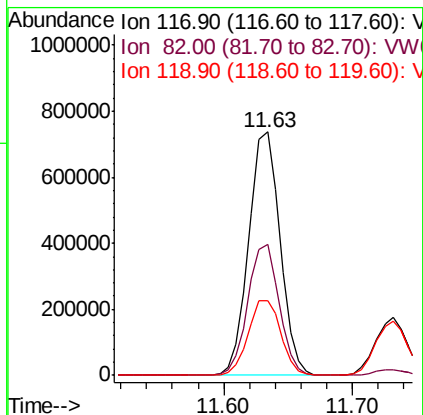
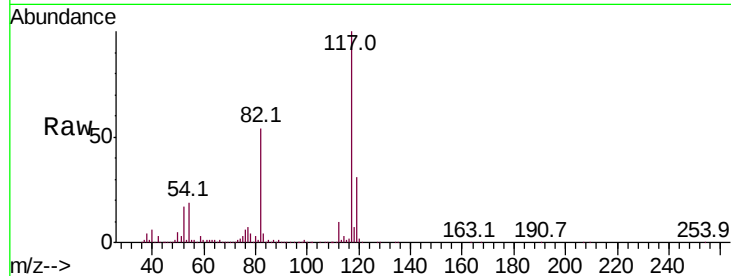
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.1	63.1
119	30.8	25.6	38.4

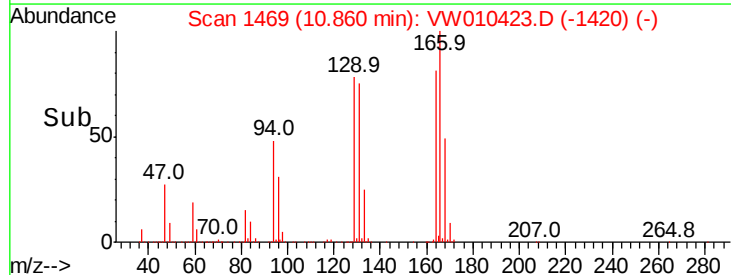
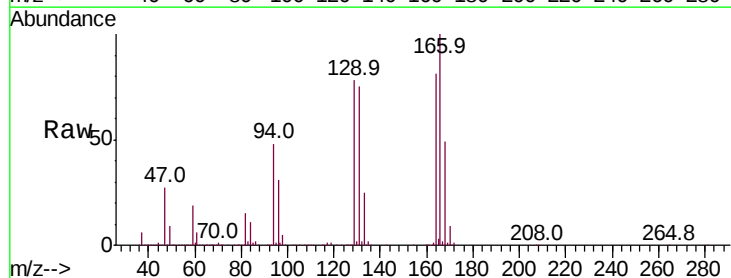
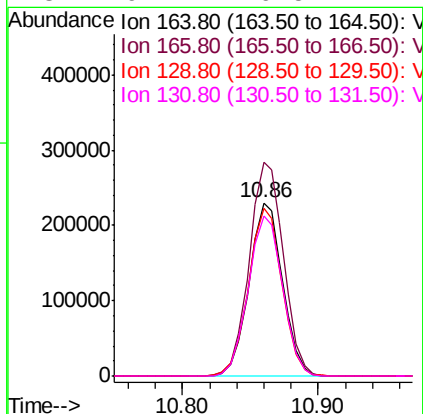
Manual Integrations
APPROVED

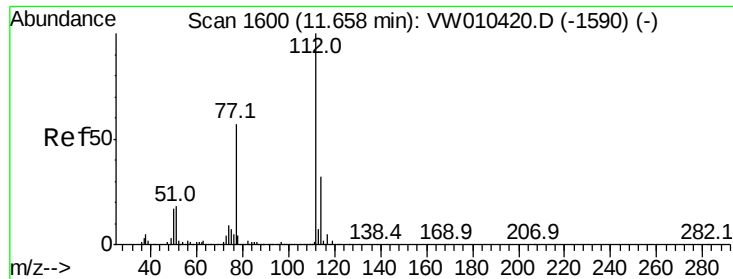
MMDadoda
5/20/2019 12:16:21 PM



#64
Tetrachloroethene
Concen: 48.630 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	103.2	154.8
129	96.5	81.6	122.4
131	92.7	76.5	114.7





#65

Chlorobenzene

Concen: 46.807 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion:112 Resp: 1175372

Ion Ratio Lower Upper

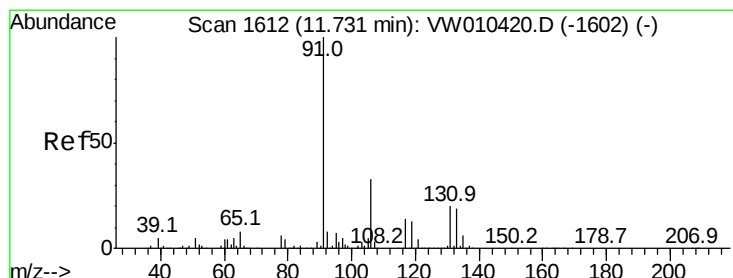
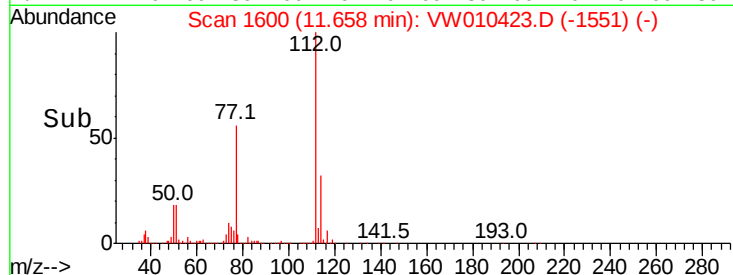
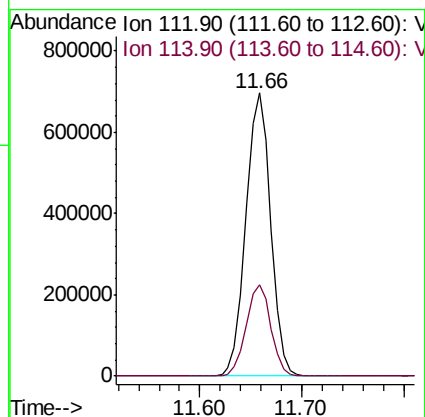
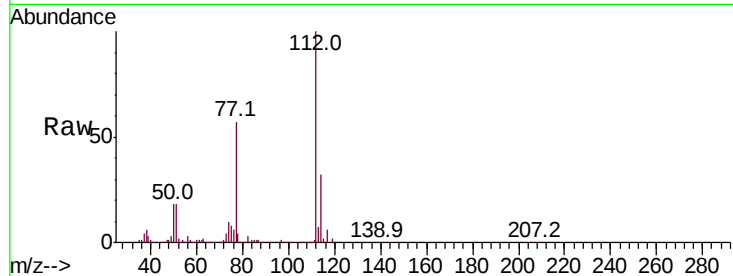
112 100

114 32.3 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 47.737 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

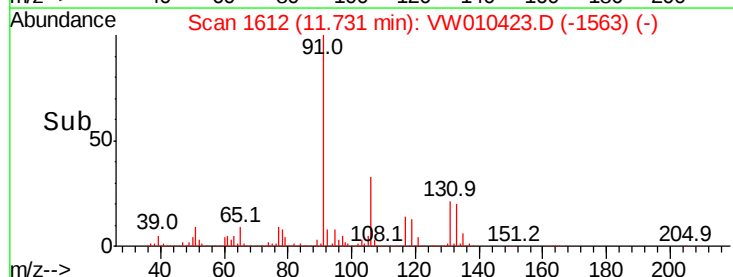
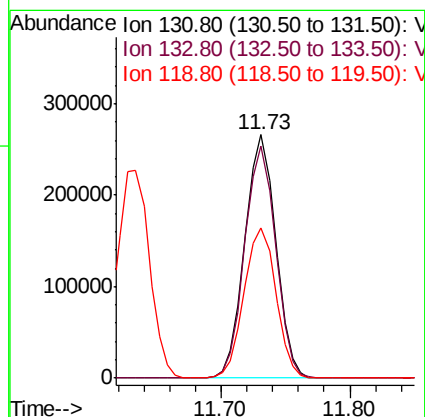
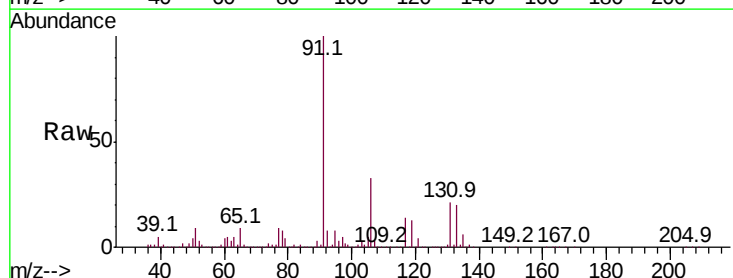
Tgt Ion:131 Resp: 442667

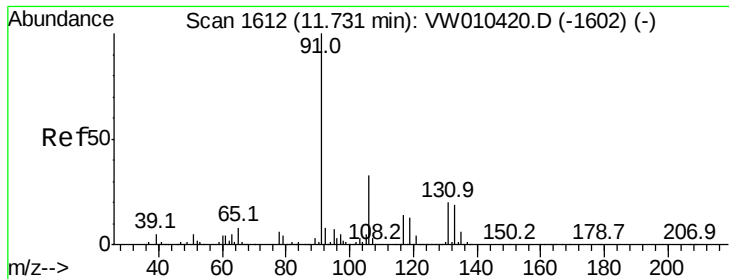
Ion Ratio Lower Upper

131 100

133 95.4 48.3 144.8

119 63.6 32.4 97.0





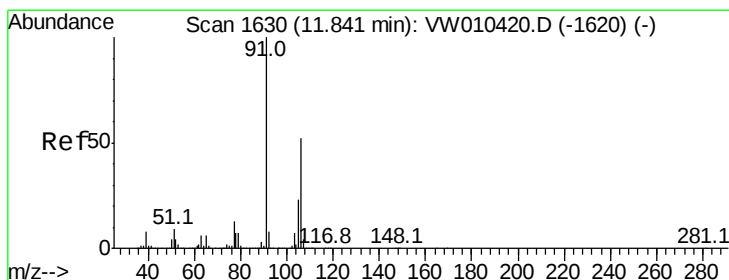
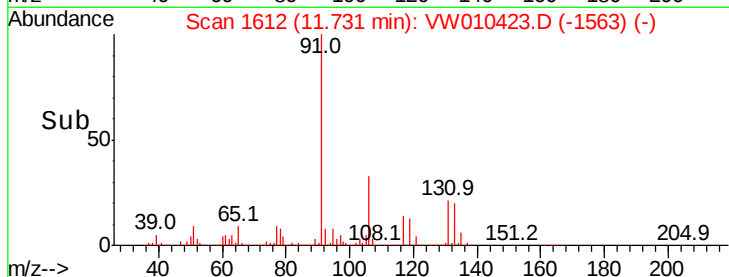
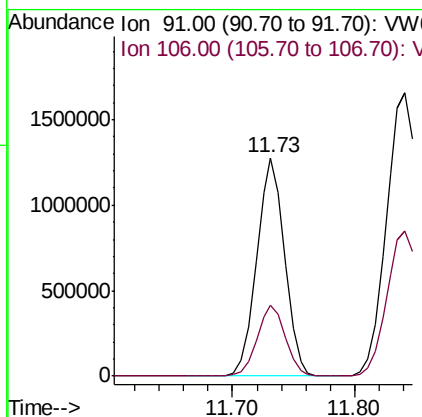
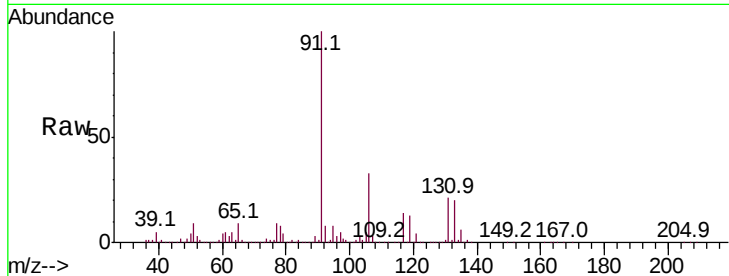
#67
Ethyl Benzene
Concen: 45.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion: 91 Resp: 202597
Ion Ratio Lower Upper
91 100
106 32.6 26.5 39.7

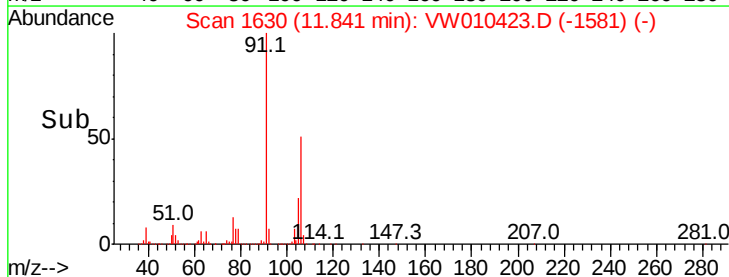
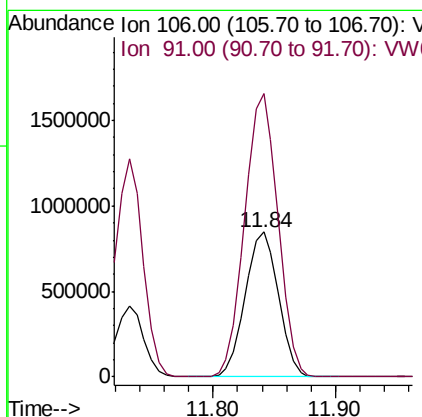
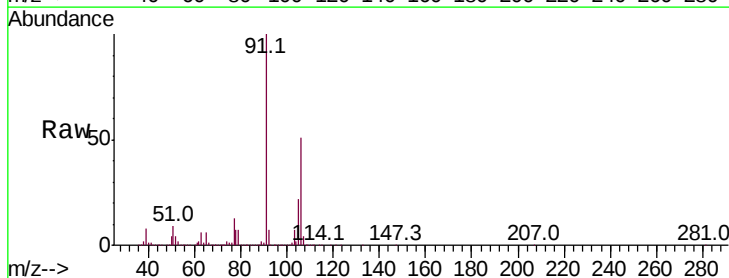
Manual Integrations
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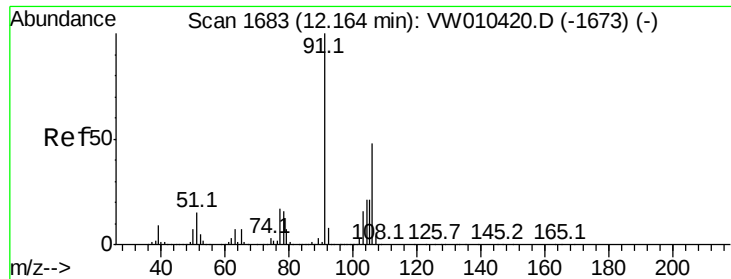
MMDadoda
5/20/2019 12:16:21 PM



#68
m/p-Xylenes
Concen: 92.587 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion:106 Resp: 1602925
Ion Ratio Lower Upper
106 100
91 195.7 156.2 234.2





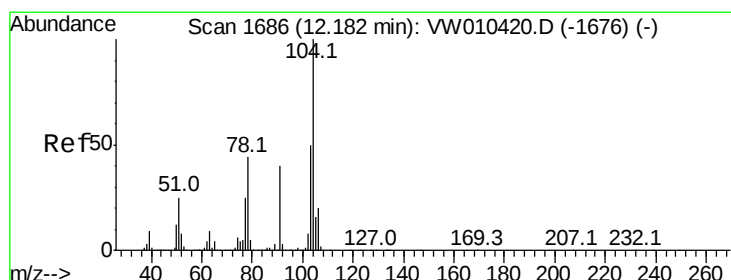
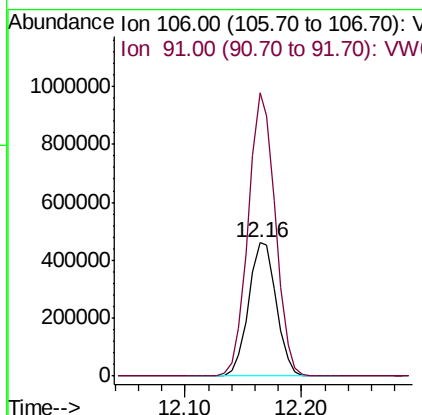
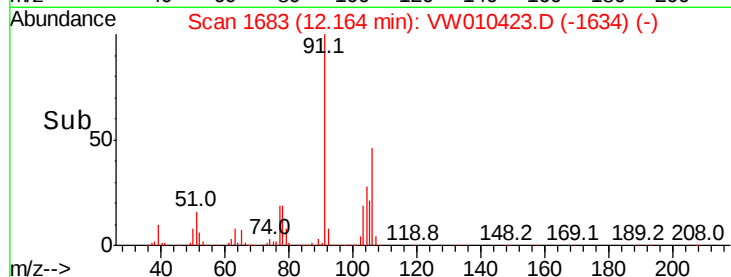
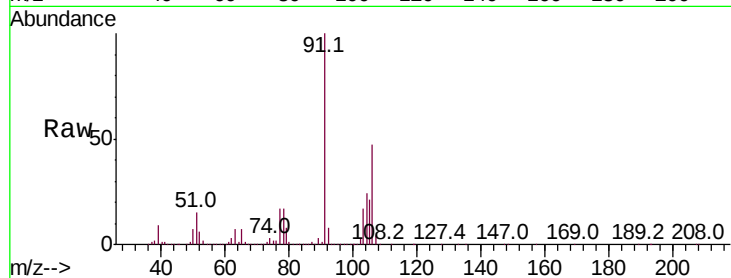
#69
o-Xylene
Concen: 46.418 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampled :
ICVW051719

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.3	102.5	307.5

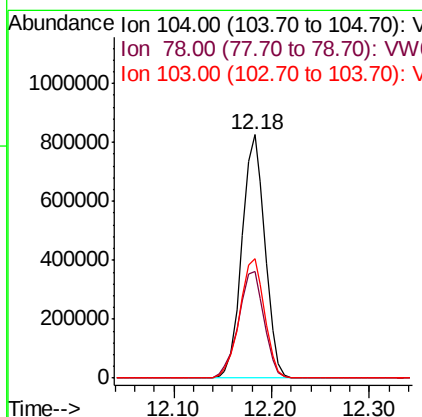
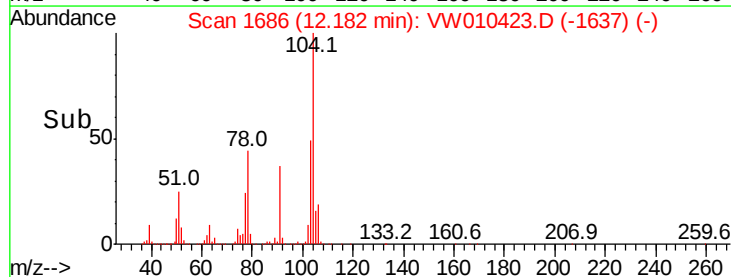
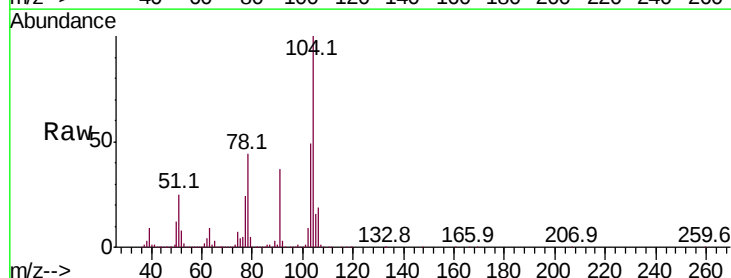
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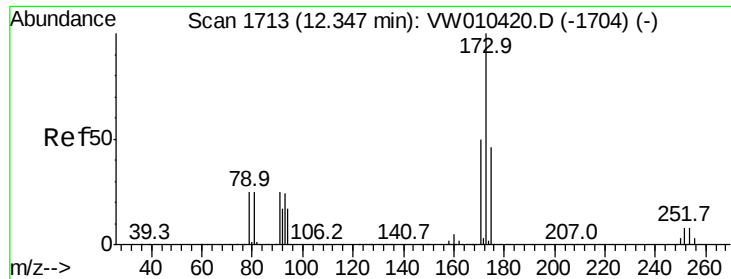
MMDadoda
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#70
Styrene
Concen: 47.373 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.4	59.0
103	53.2	43.4	65.0





#71

Bromoform

Concen: 48.913 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

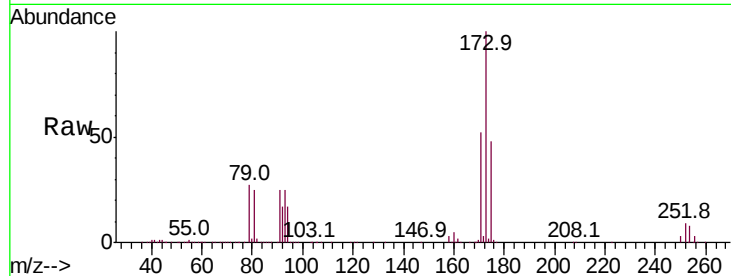
ClientSampleId :

ICVW051719

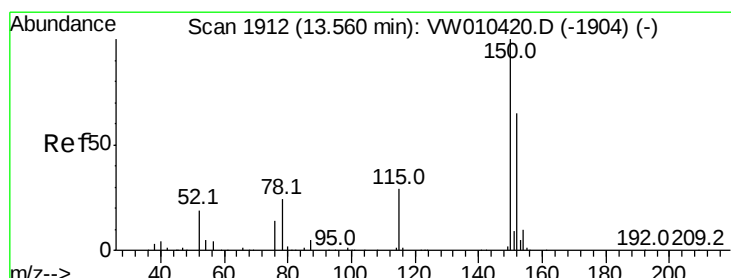
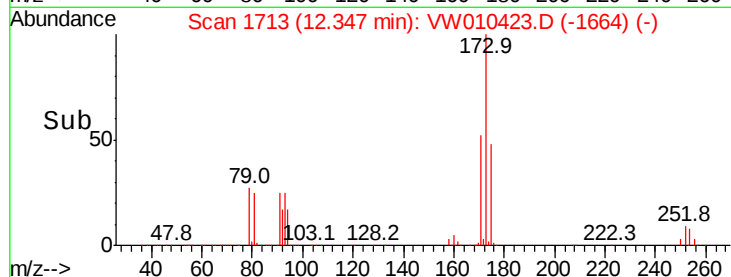
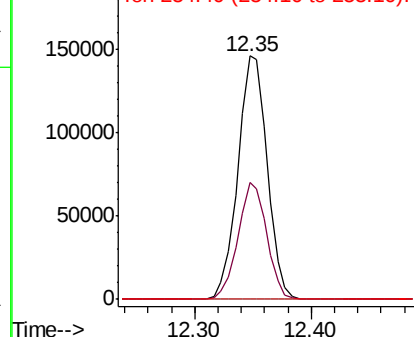
Tot Ion:	173	Resp:	255561
Ion Ratio	Lower	Upper	
173	100		
175	46.9	23.8	71.2
254	0.1	0.2	0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
200000
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

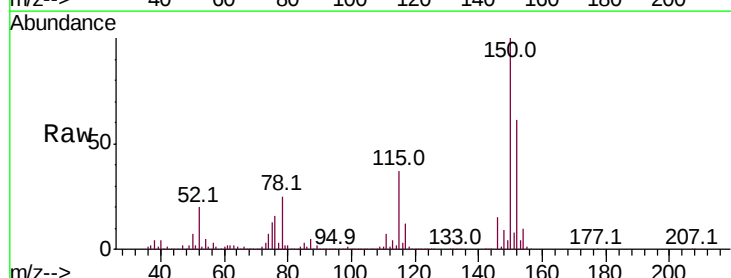
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

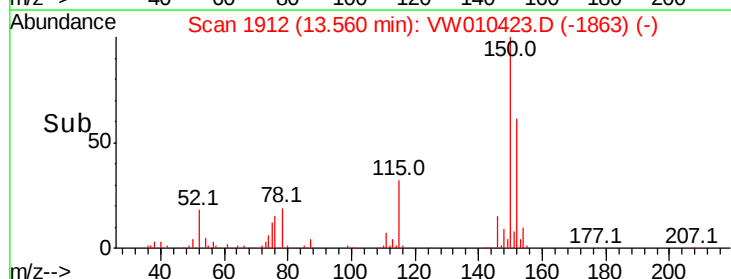
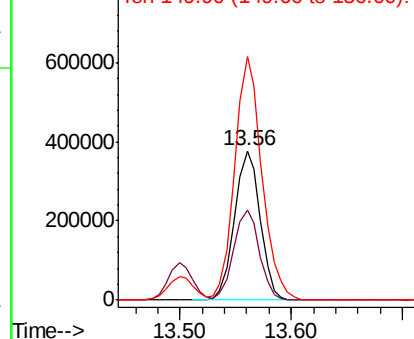
Lab File: VW010423.D

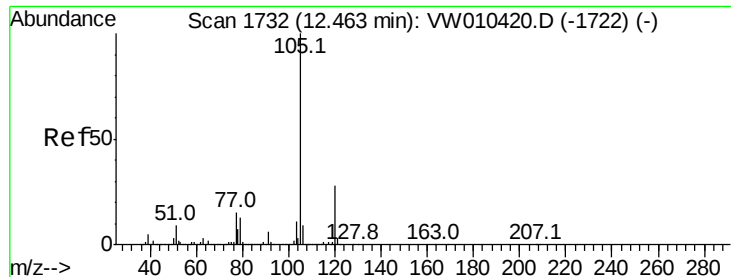
Acq: 17 May 2019 20:08

Tgt Ion:	152	Resp:	597345
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.0	90.1
150	174.1	0.0	350.2



Abundance Ion 151.90 (151.60 to 152.60): V
800000
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.572 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampled :

ICVW051719

Tot Ion:105 Resp: 2058787

Ion Ratio Lower Upper

105 100

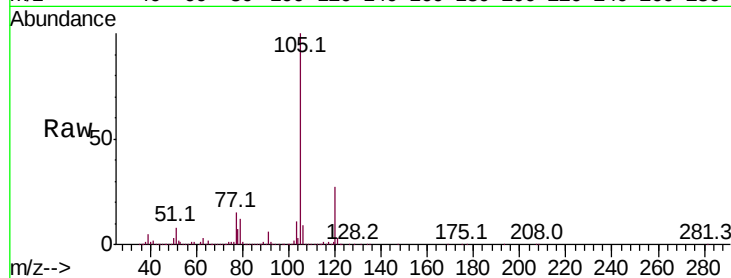
120 27.4 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 120.00 (119.70 to 120.70): V

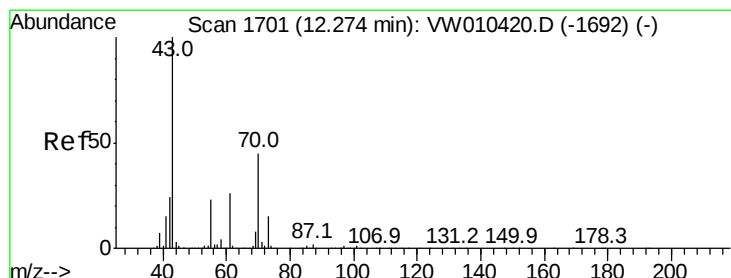
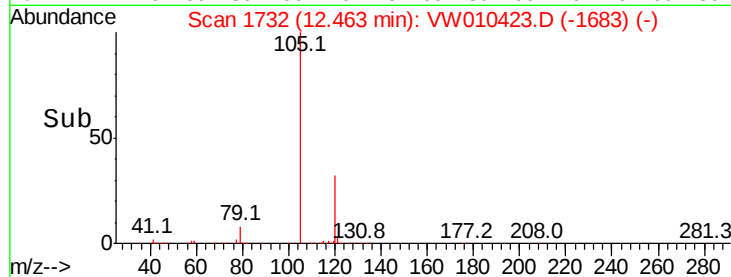
12.46

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 45.784 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion: 43 Resp: 541942

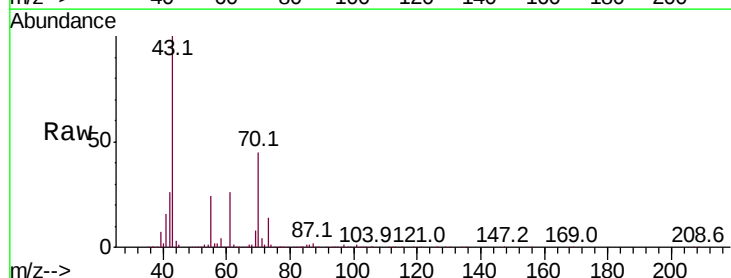
Ion Ratio Lower Upper

43 100

70 45.3 36.4 54.6

55 24.2 19.0 28.6

61 25.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

500000

400000

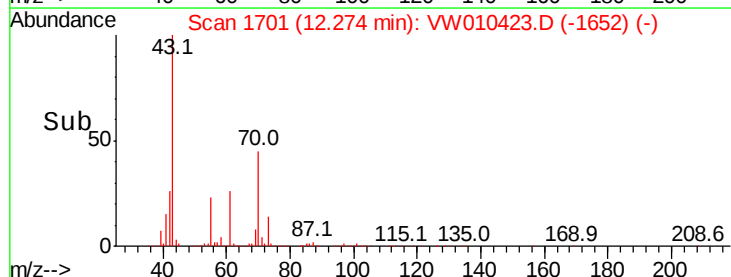
300000

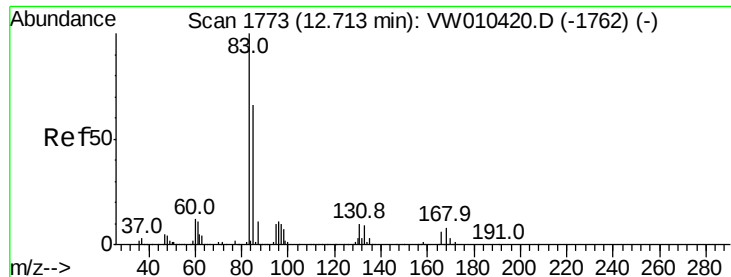
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.662 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

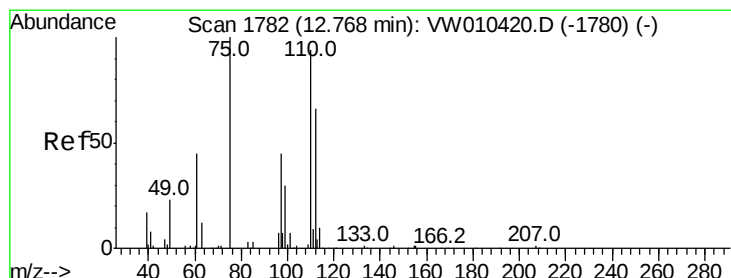
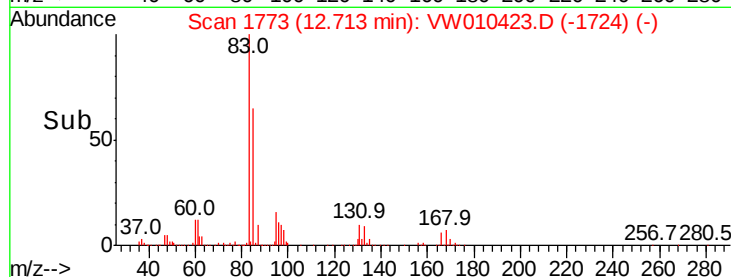
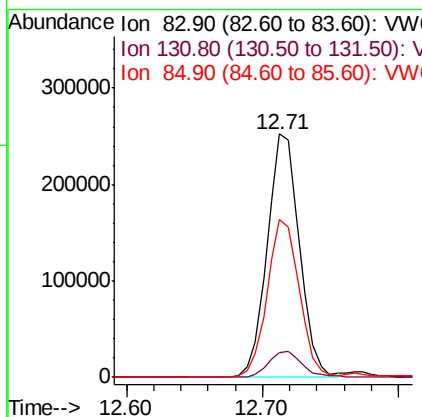
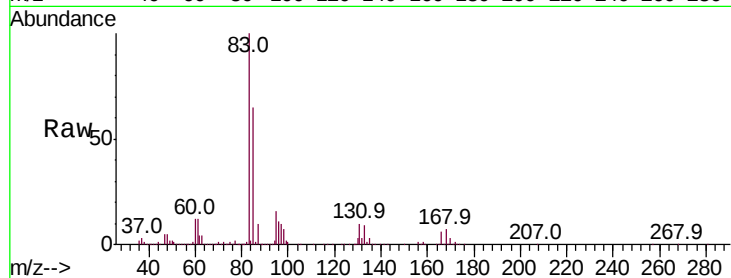
ClientSampleId :

ICVW051719

Tot Ion:	83	Resp:	417714
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.070 ug/l m

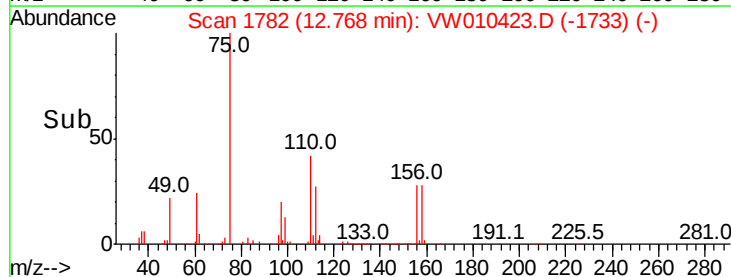
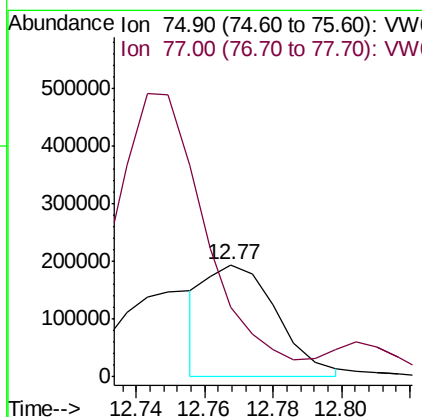
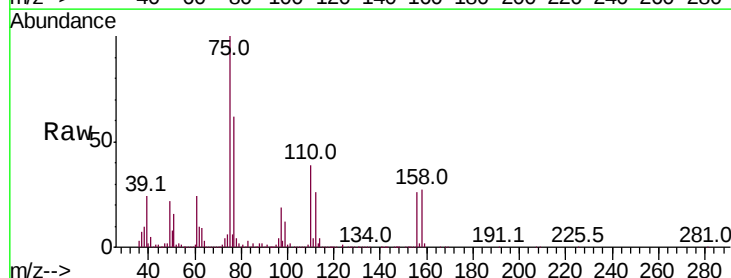
RT: 12.77 min Scan# 1782

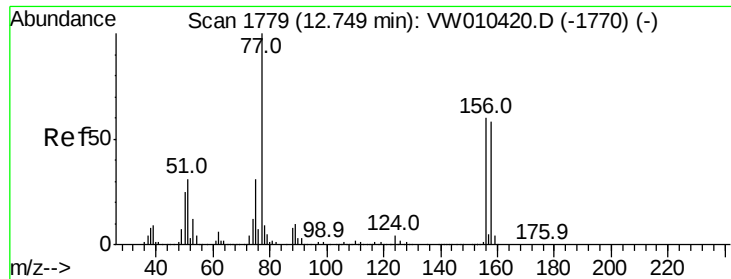
Delta R.T. -0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion:	75	Resp:	281895
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





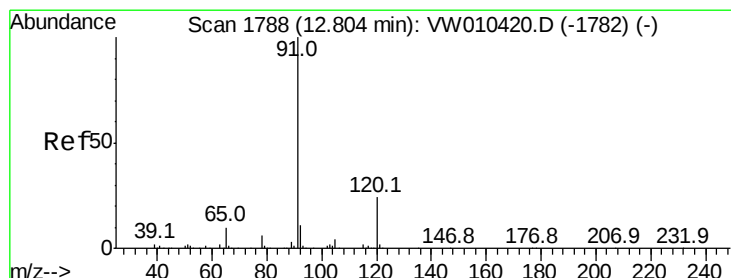
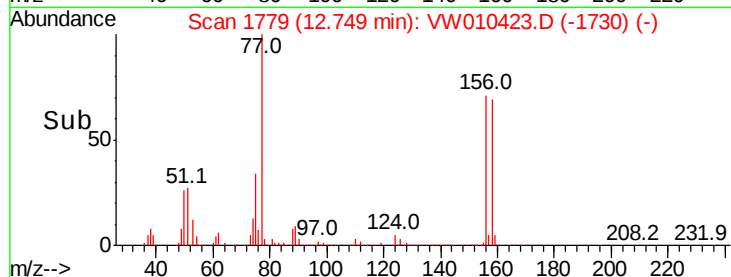
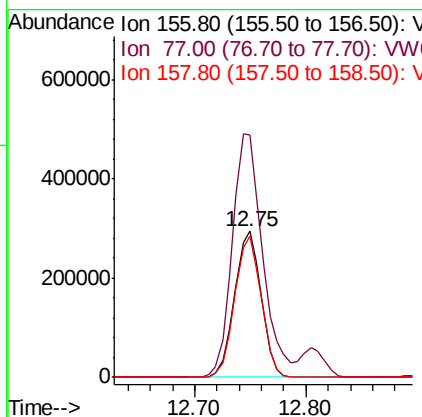
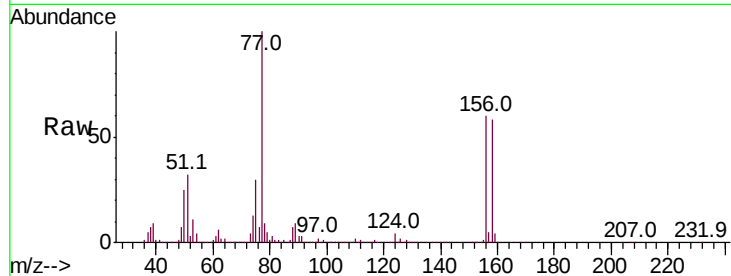
#77
Bromobenzene
Concen: 46.421 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.7	95.7	286.9
158	96.4	48.9	146.7

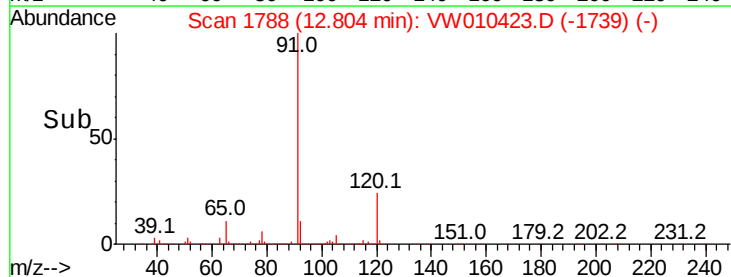
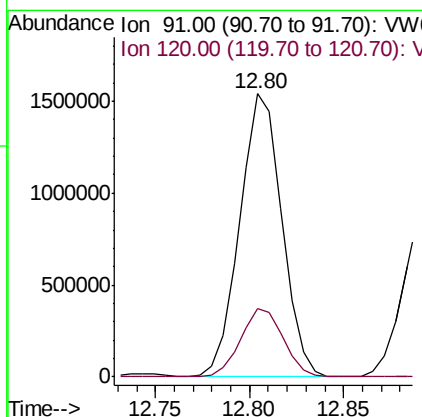
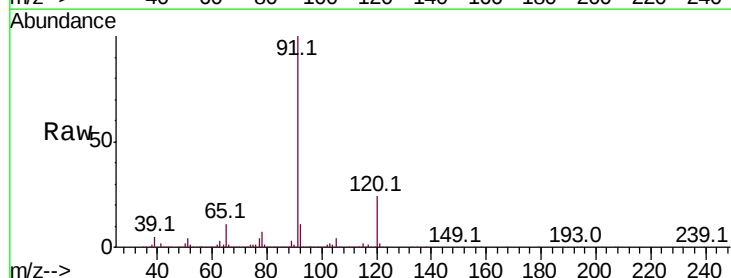
Manual Integrations
APPROVED

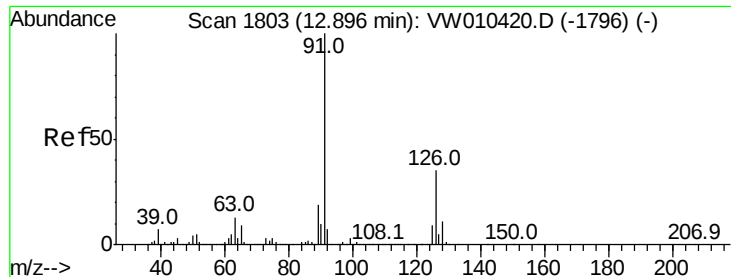
MMDadoda
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#78
n-propylbenzene
Concen: 44.485 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.0	36.1





#79

2-Chlorotoluene

Concen: 45.284 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

ICVW051719

Tot Ion: 91 Resp: 1416844

Ion Ratio Lower Upper

91 100

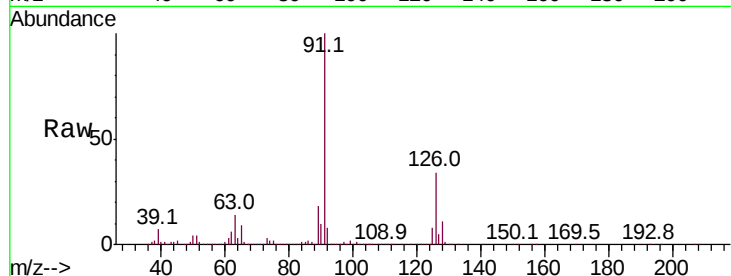
126 34.5 17.3 52.0

Manual Integrations

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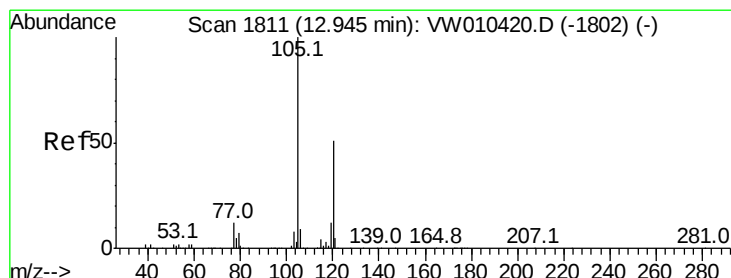
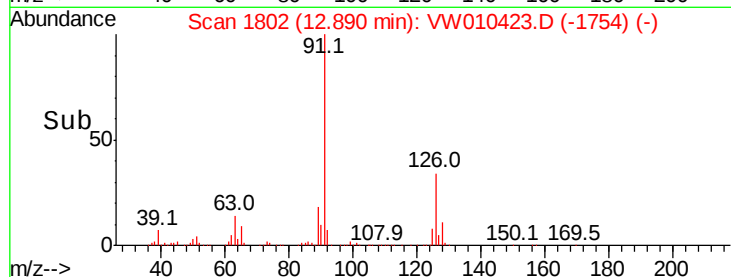
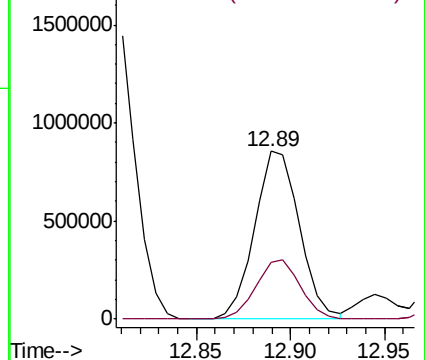
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.291 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010423.D

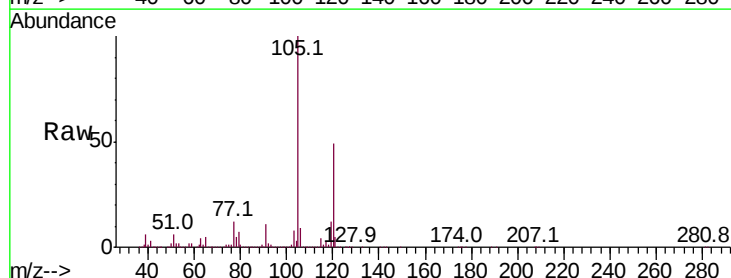
Acq: 17 May 2019 20:08

Tgt Ion:105 Resp: 1780645

Ion Ratio Lower Upper

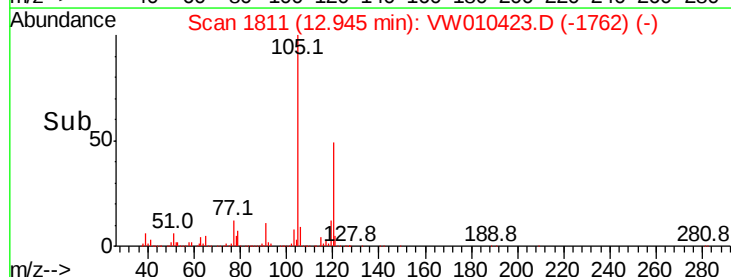
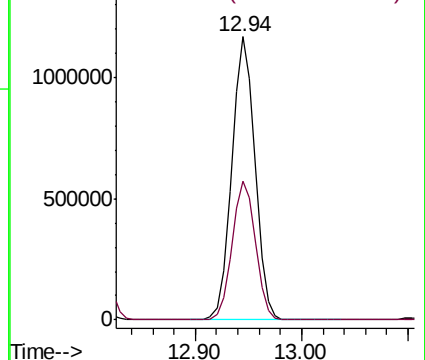
105 100

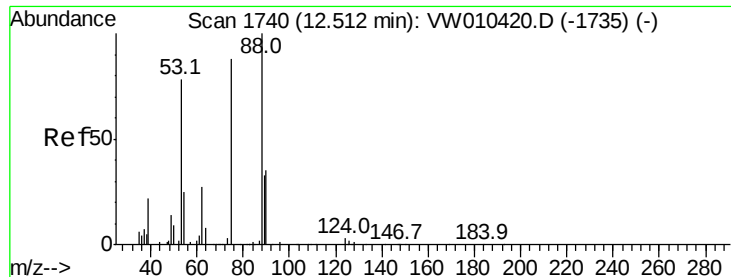
120 49.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





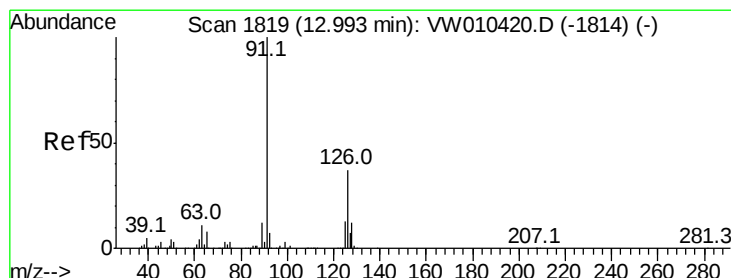
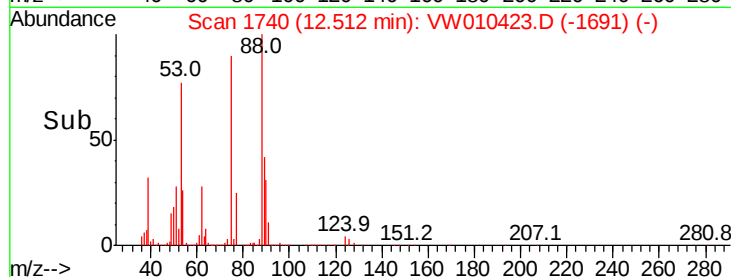
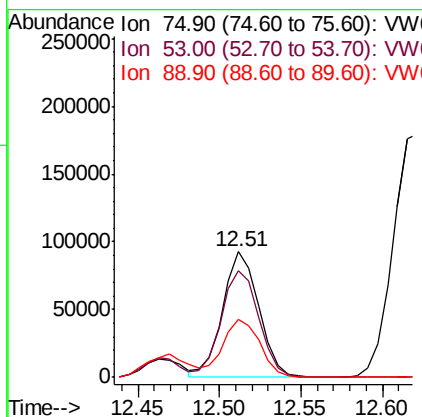
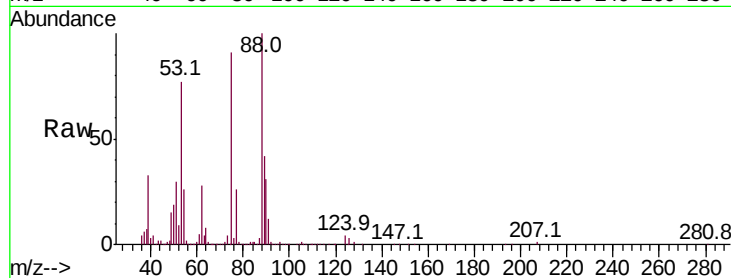
#81
trans-1,4-Dichloro-2-butene
Concen: 43.970 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	70.7	106.1
89	47.6	38.6	58.0

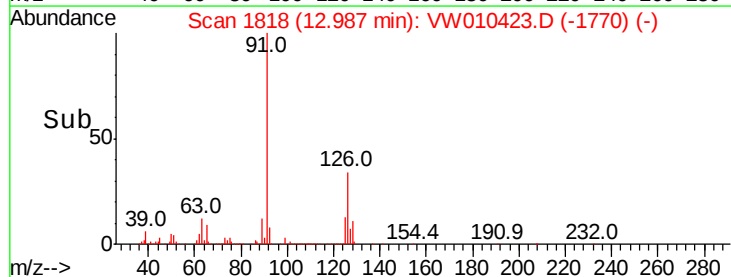
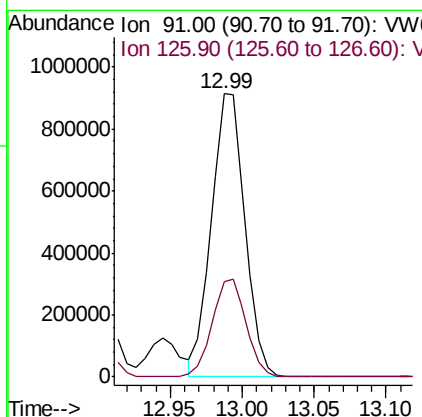
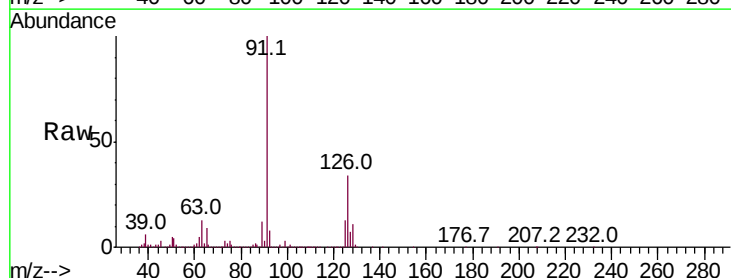
Manual Integrations
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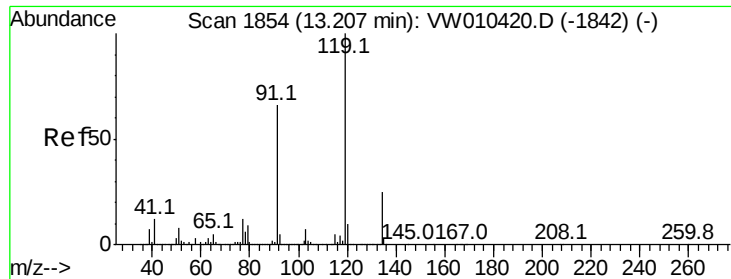
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#82
4-Chlorotoluene
Concen: 45.337 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.2





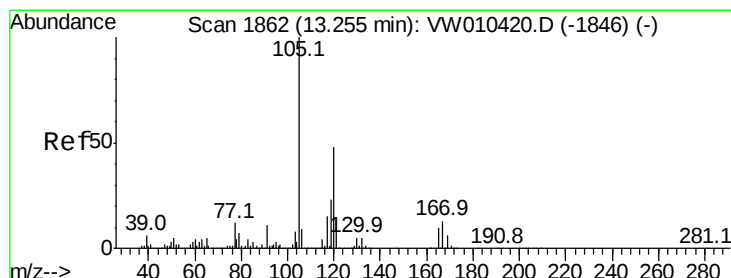
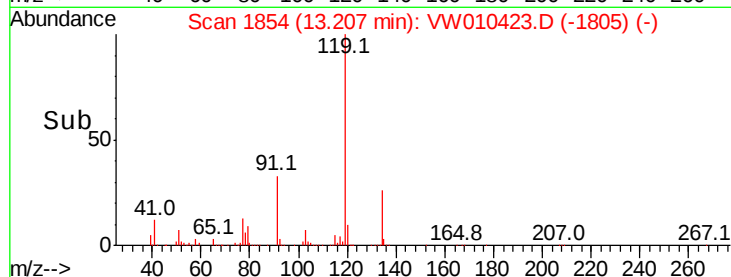
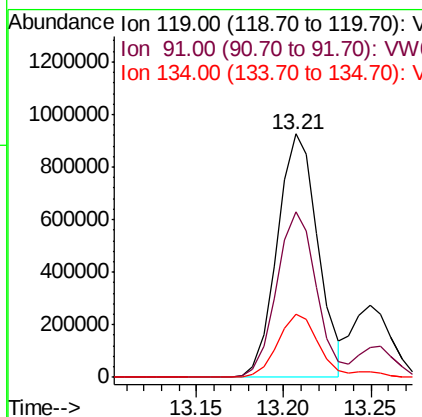
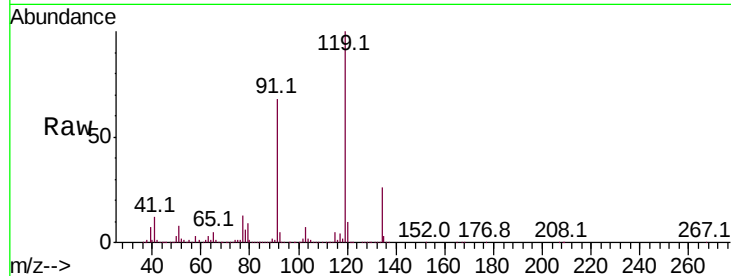
#83
tert-Butylbenzene
Concen: 45.225 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.5	100.5
134	27.6	13.8	41.4

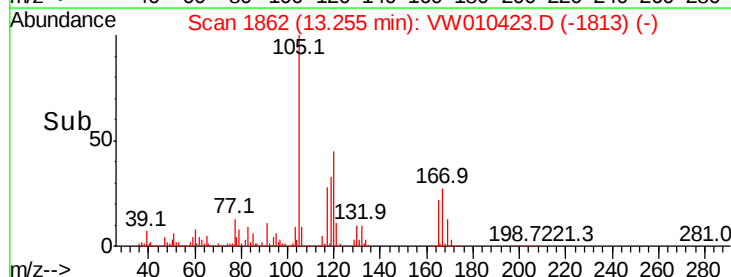
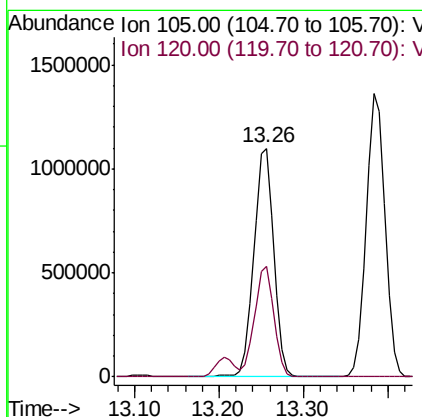
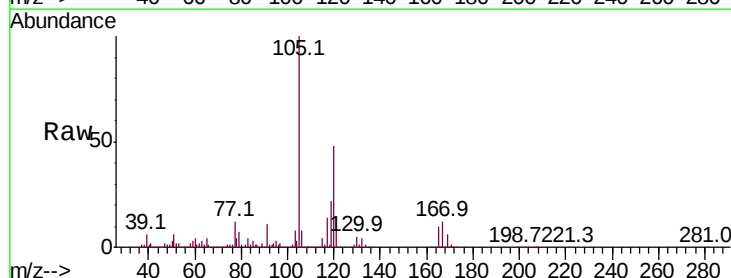
Manual Integrations
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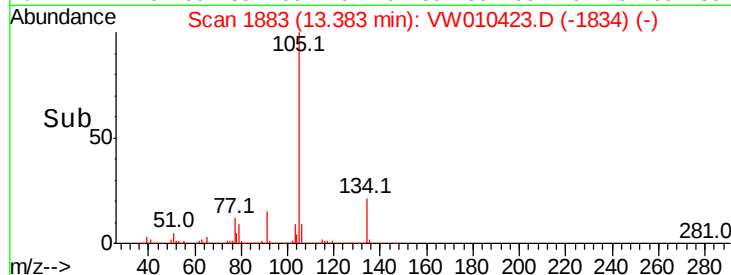
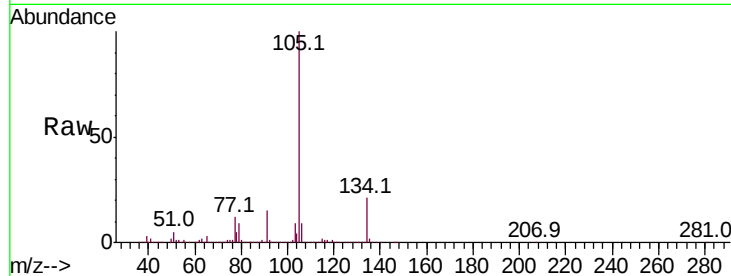
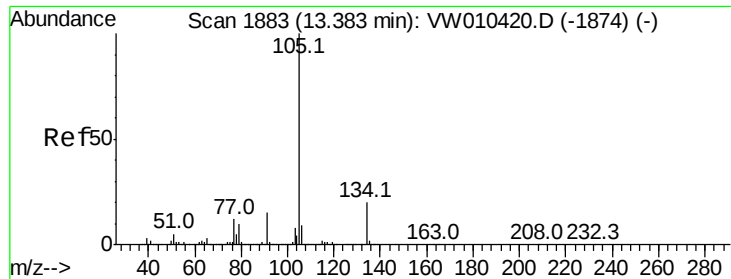
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 45.448 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.0





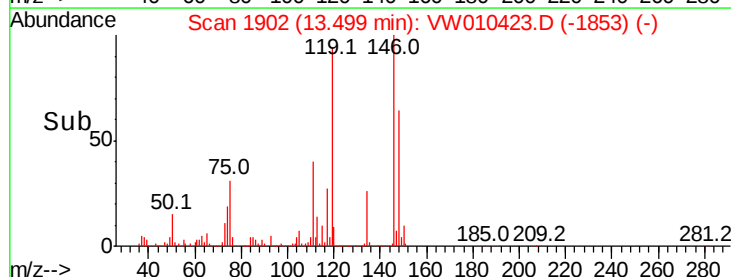
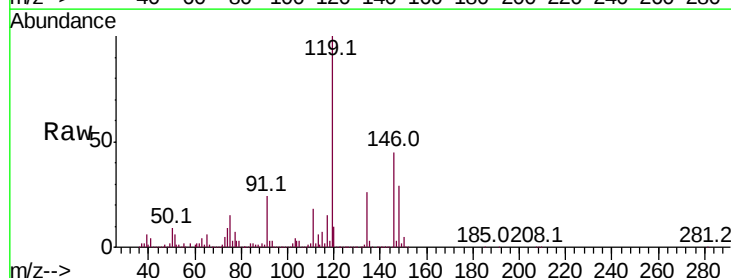
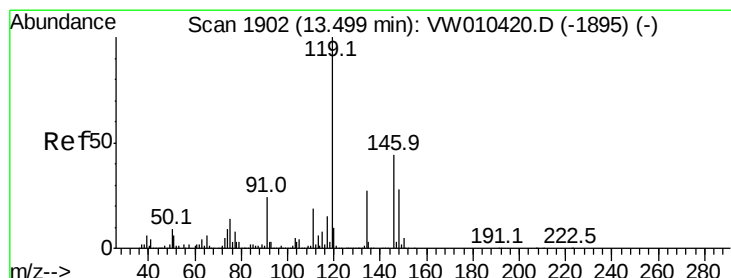
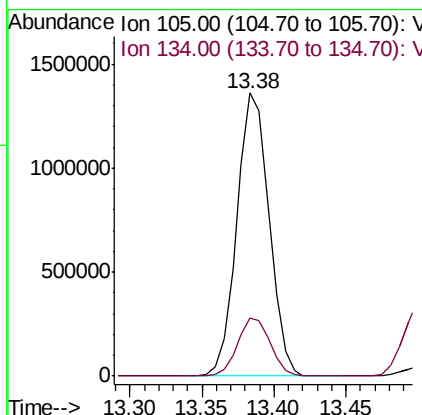
#85
 sec-Butylbenzene
 Concen: 45.195 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tot Ion:105 Resp: 2116018
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

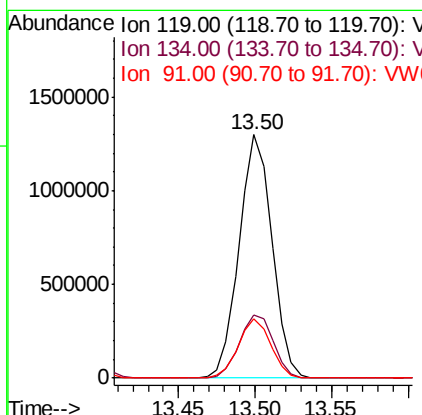
Manual Integrations
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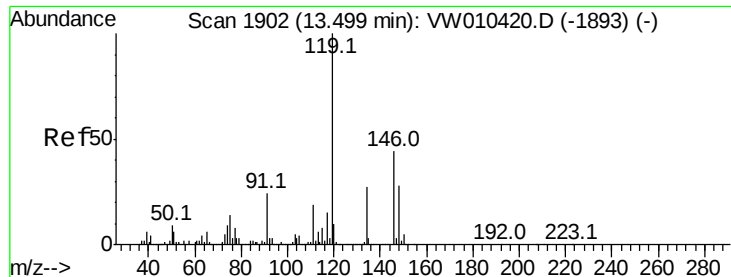
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#86
 p-Isopropyltoluene
 Concen: 45.847 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion:119 Resp: 1939171
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.7 41.0
 91 24.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 46.877 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

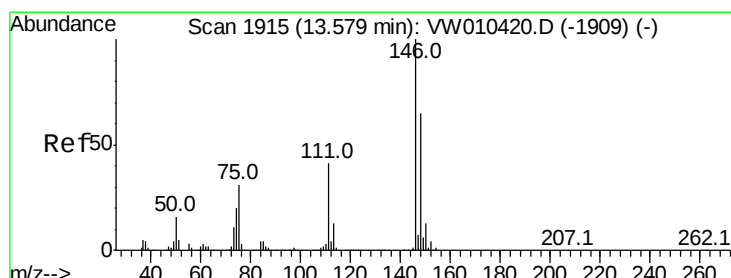
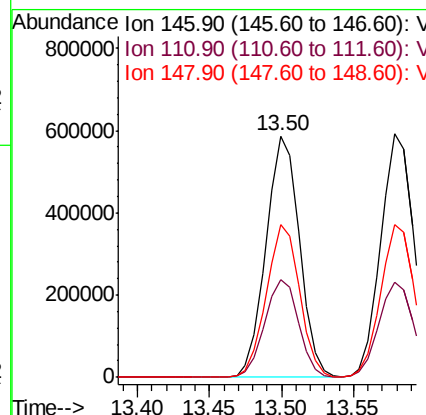
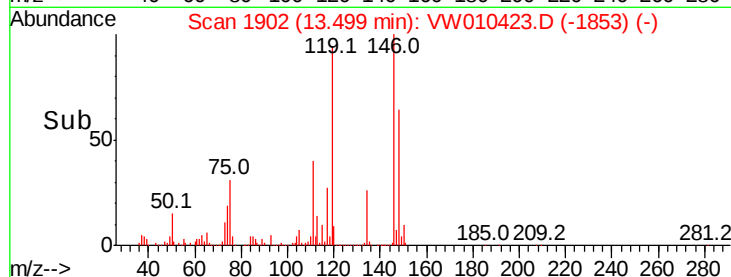
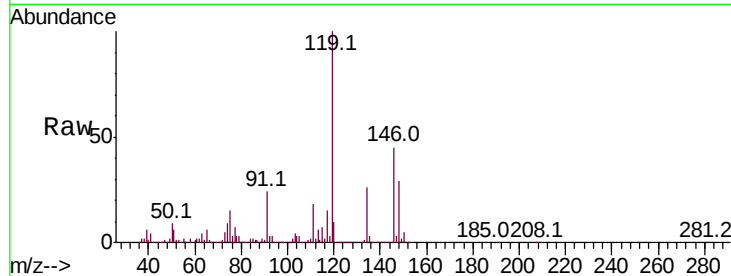
Instrument :
MSVOA_W

ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.1	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.091 ug/l

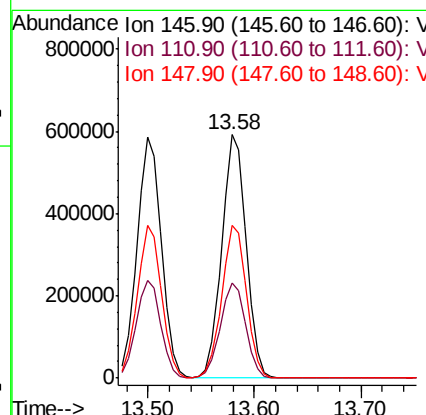
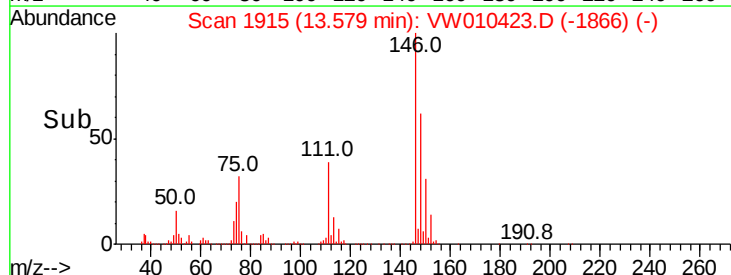
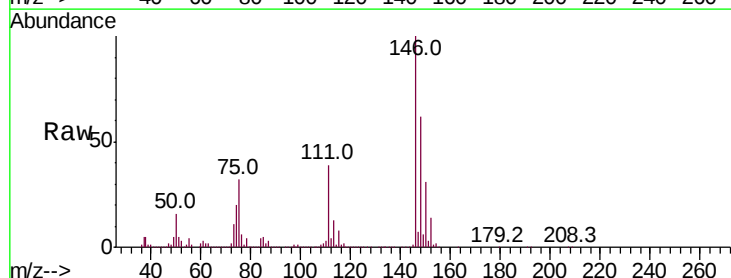
RT: 13.58 min Scan# 1915

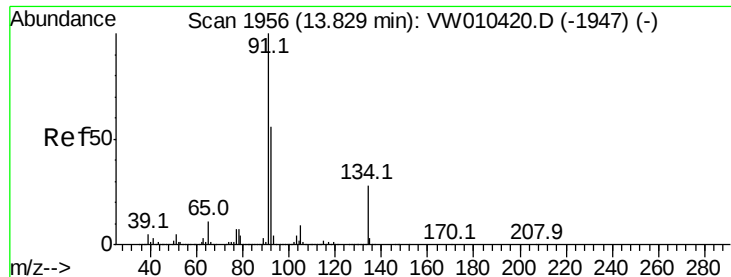
Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.4	32.3	96.9





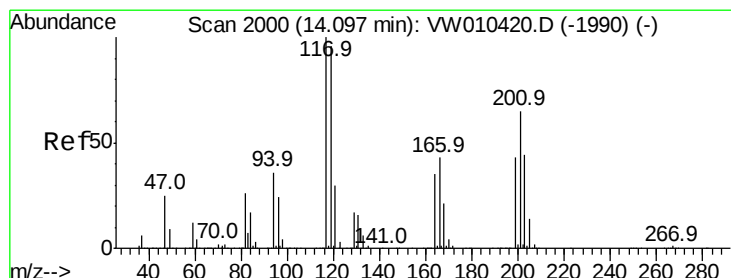
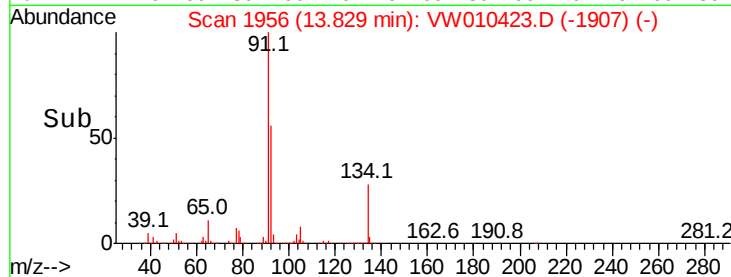
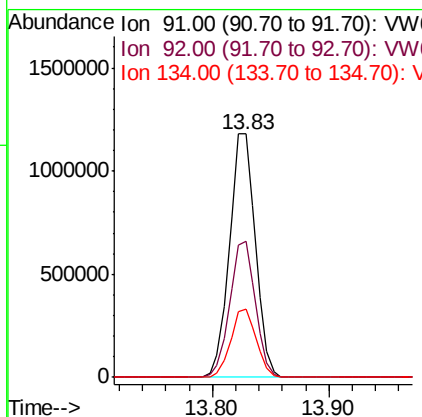
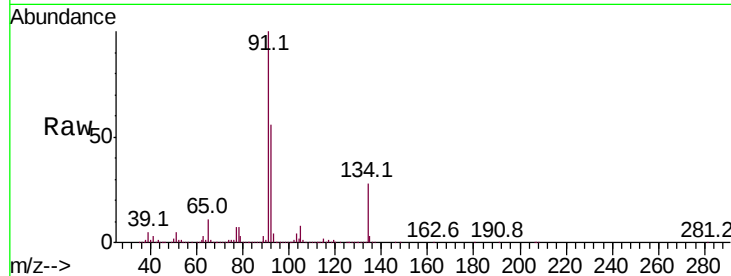
#89
n-Butylbenzene
Concen: 45.186 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.0
134	27.6	13.8	41.3

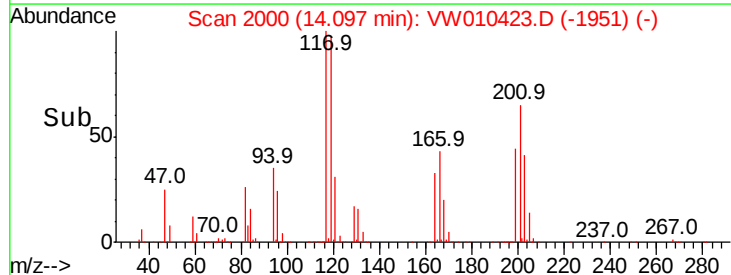
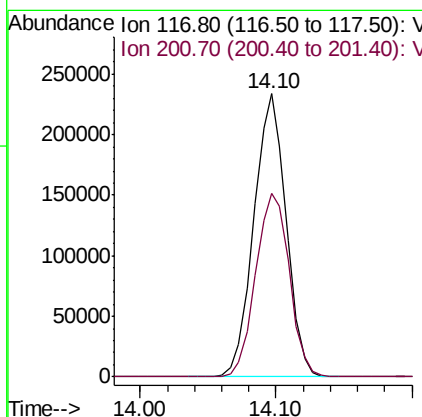
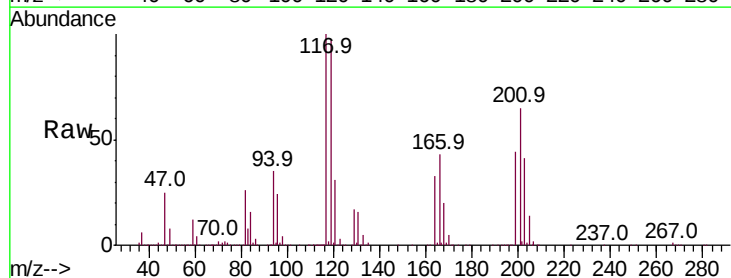
Manual Integrations
APPROVED

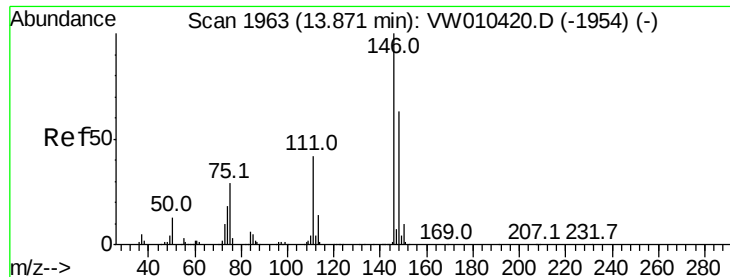
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#90
Hexachloroethane
Concen: 45.709 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	33.8	101.4





#91

1,2-Dichlorobenzene

Concen: 47.382 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Instrument :

MSVOA_W

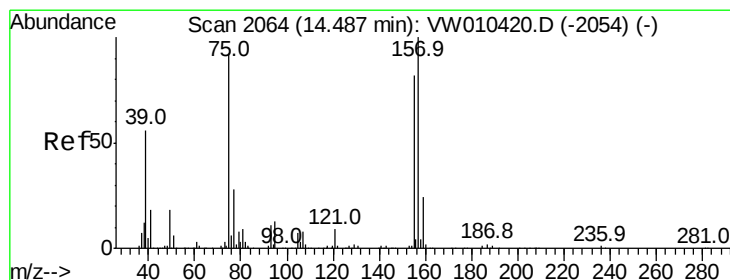
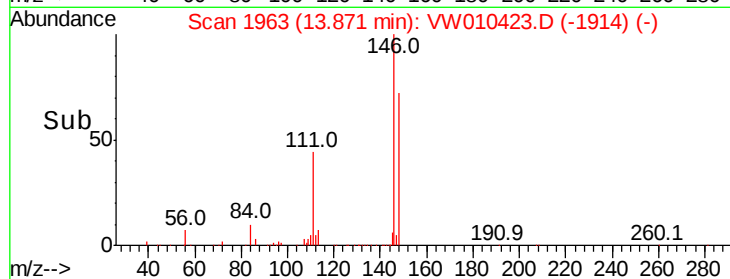
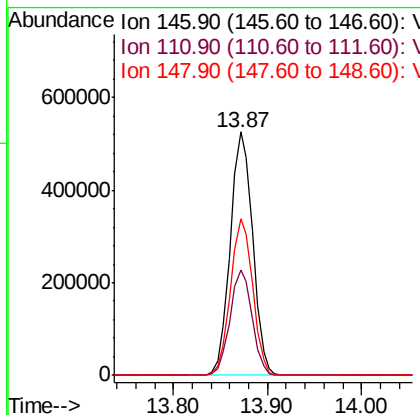
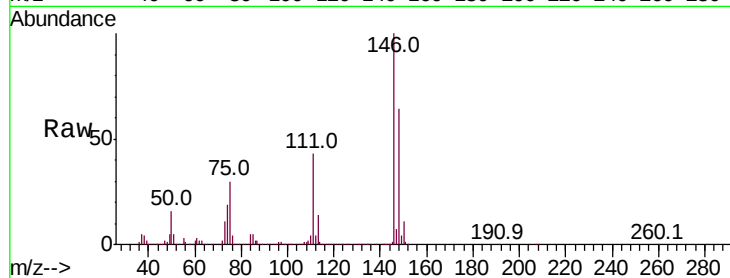
ClientSampleId :

ICVW051719

Tot Ion:	146	Resp:	865718
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.3	63.7
148	63.7	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.533 ug/l

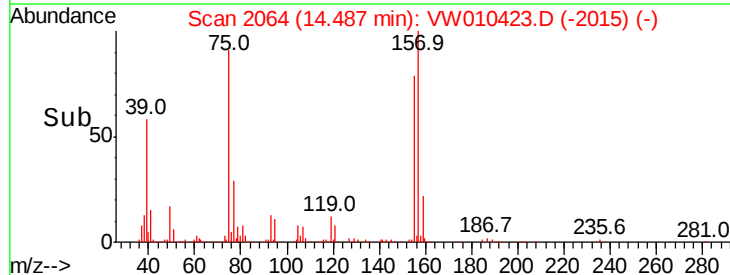
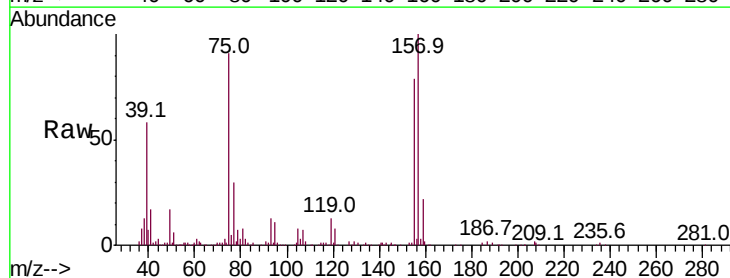
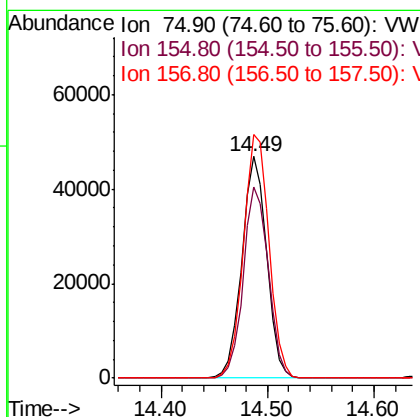
RT: 14.49 min Scan# 2064

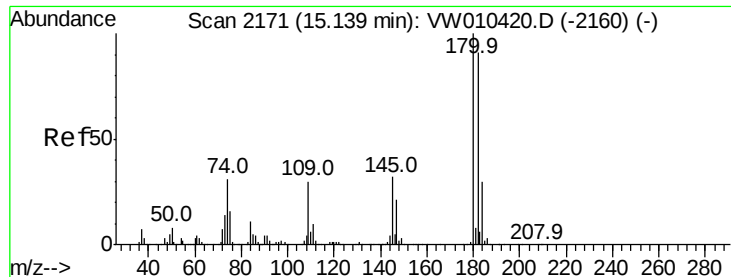
Delta R.T. 0.00 min

Lab File: VW010423.D

Acq: 17 May 2019 20:08

Tgt Ion:	75	Resp:	77512
Ion Ratio	Lower	Upper	
75	100		
155	86.4	43.5	130.7
157	112.2	54.8	164.4





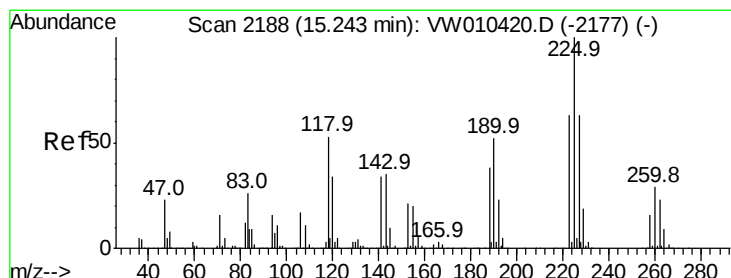
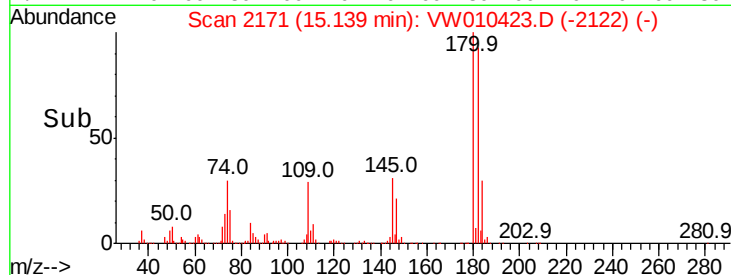
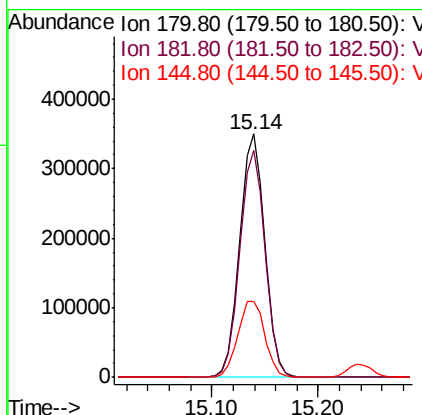
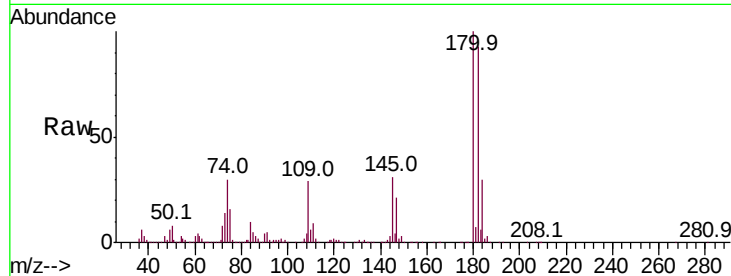
#93
 1,2,4-Trichlorobenzene
 Concen: 48.706 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

Tot Ion	Ratio	Resp	Lower	Upper
180	100	580125		
182	93.9	47.0	141.2	
145	33.7	16.6	49.7	

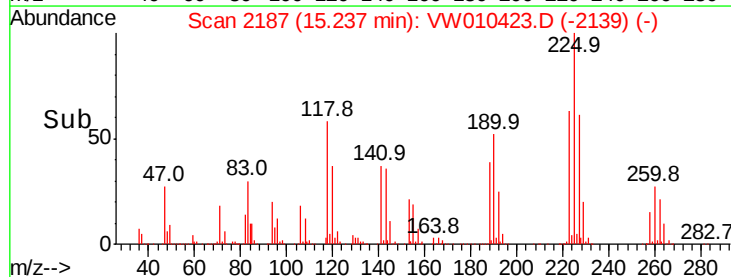
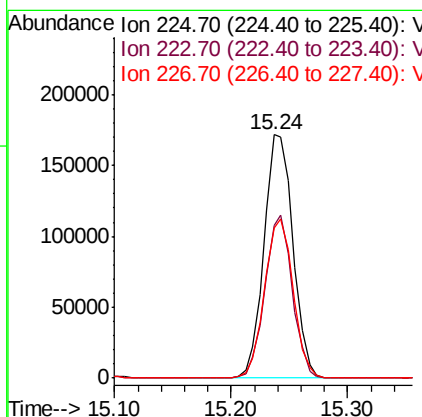
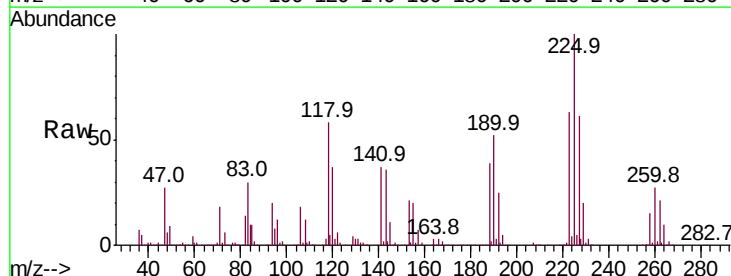
Manual Integrations
 APPROVED

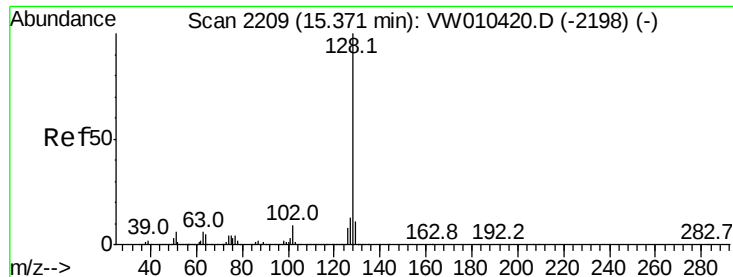
MMDadoda
 5/20/2019 12:16:21 PM



#94
 Hexachlorobutadiene
 Concen: 46.832 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010423.D
 Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	297789		
223	63.2	32.0	96.2	
227	64.5	31.4	94.0	





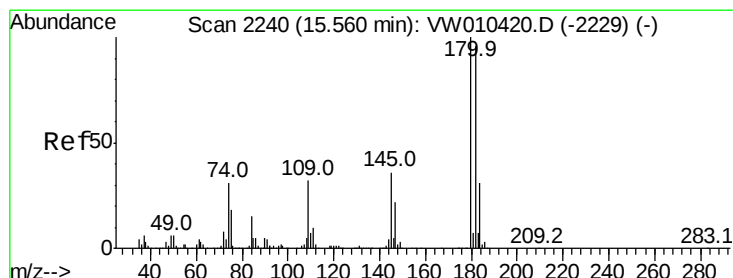
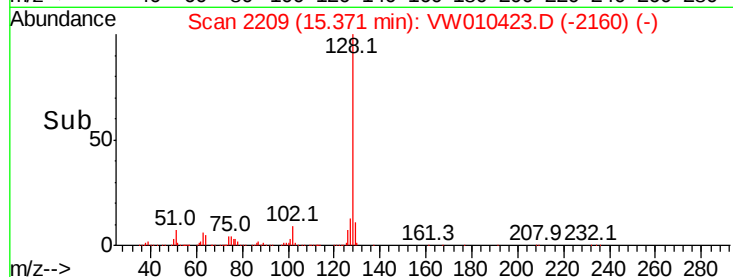
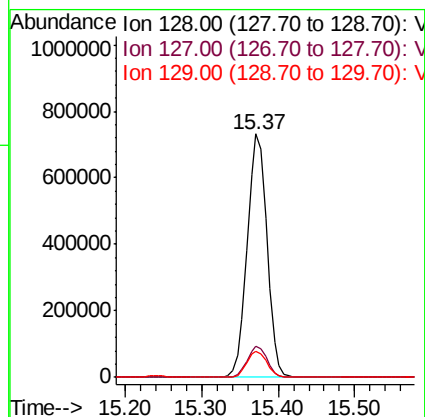
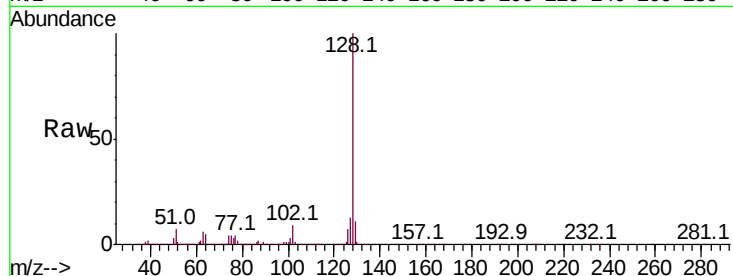
#95
Naphthalene
Concen: 48.654 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Instrument :
MSVOA_W
ClientSampleId :
ICVW051719

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:16:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.308 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010423.D
Acq: 17 May 2019 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	36.2	17.8	53.5

