

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010017.D
 Acq On : 17 Apr 2019 15:19
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:27 AM

Quant Time: Apr 18 02:36:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	462823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	737649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	655272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	332303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	289697	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
35) Dibromofluoromethane	7.88	113	240146	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
50) Toluene-d8	10.32	98	945619	53.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.62	95	337336	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	198107	56.138	ug/l	100
3) Chloromethane	2.21	50	203002	57.523	ug/l	100
4) Vinyl Chloride	2.37	62	240628	58.659	ug/l	100
5) Bromomethane	2.78	94	154901	56.189	ug/l	100
6) Chloroethane	2.92	64	147534	55.044	ug/l	95
7) Trichlorofluoromethane	3.25	101	153752	54.210	ug/l	96
8) Diethyl Ether	3.67	74	124362	52.713	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	248275	52.022	ug/l	99
10) Methyl Iodide	4.26	142	362990	55.038	ug/l	99
11) Tert butyl alcohol	5.20	59	77811	239.175	ug/l	99
12) 1,1-Dichloroethene	4.03	96	257188	56.211	ug/l	97
13) Acrolein	3.89	56	88573	258.789	ug/l	98
14) Allyl chloride	4.65	41	455099	55.947	ug/l	99
15) Acrylonitrile	5.37	53	312124	257.075	ug/l	99
16) Acetone	4.12	43	335067	252.846	ug/l	96
17) Carbon Disulfide	4.37	76	765901	55.416	ug/l	99
18) Methyl Acetate	4.67	43	146301	47.701	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	324212	54.555	ug/l	99
20) Methylene Chloride	4.91	84	280514	54.857	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	278991	56.310	ug/l	92
22) Diisopropyl ether	6.31	45	879093	53.278	ug/l	98
23) Vinyl Acetate	6.25	43	2945298	283.556	ug/l	99
24) 1,1-Dichloroethane	6.21	63	518591	52.576	ug/l	100
25) 2-Butanone	7.17	43	461375	265.039	ug/l	98
26) 2,2-Dichloropropane	7.16	77	293380	53.760	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	296907	54.488	ug/l	99
28) Bromochloromethane	7.51	49	209397	51.947	ug/l	98
29) Tetrahydrofuran	7.52	42	295162	267.596	ug/l	99
30) Chloroform	7.67	83	506554	51.252	ug/l	96
31) Cyclohexane	7.95	56	492728	53.345	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	403670	52.026	ug/l	99
36) 1,1-Dichloropropene	8.08	75	417717	55.437	ug/l	99
37) Ethyl Acetate	7.25	43	205870	53.768	ug/l	99
38) Carbon Tetrachloride	8.06	117	395178	53.738	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010017.D
 Acq On : 17 Apr 2019 15:19
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW041719

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:27 AM

Quant Time: Apr 18 02:36:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	509468	55.432	ug/l	98
40) Benzene	8.32	78	1114025	54.072	ug/l	99
41) Methacrylonitrile	7.48	41	122893	56.317	ug/l	98
42) 1,2-Dichloroethane	8.40	62	367511	51.906	ug/l	100
43) Isopropyl Acetate	8.42	43	385075	53.670	ug/l	99
44) Trichloroethene	9.09	130	284201	54.311	ug/l	100
45) 1,2-Dichloropropane	9.37	63	283208	52.297	ug/l	96
46) Dibromomethane	9.46	93	148680	52.972	ug/l	98
47) Bromodichloromethane	9.64	83	381849	52.702	ug/l	99
48) Methyl methacrylate	9.43	41	184695	52.883	ug/l	97
49) 1,4-Dioxane	9.46	88	41648	971.107	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	1019755	271.365	ug/l	100
52) Toluene	10.38	92	697405	54.342	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	398057	55.413	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	457858	55.819	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	199431	50.907	ug/l	96
56) Ethyl methacrylate	10.65	69	289289	53.010	ug/l	98
57) 1,3-Dichloropropane	10.93	76	367546	52.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	612591	261.693	ug/l	100
59) 2-Hexanone	10.97	43	735699	281.243	ug/l	100
60) Dibromochloromethane	11.13	129	244049	53.899	ug/l	99
61) 1,2-Dibromoethane	11.23	107	197854	53.092	ug/l	99
64) Tetrachloroethene	10.86	164	236480	55.593	ug/l	98
65) Chlorobenzene	11.66	112	724400	54.013	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	259585	54.124	ug/l	98
67) Ethyl Benzene	11.73	91	1380463	57.691	ug/l	98
68) m/p-Xylenes	11.84	106	1024580	114.547	ug/l	100
69) o-Xylene	12.16	106	475177	58.344	ug/l	98
70) Styrene	12.18	104	832246	59.266	ug/l	99
71) Bromoform	12.35	173	138138	54.468	ug/l #	98
73) Isopropylbenzene	12.46	105	1340053	57.942	ug/l	100
74) N-amyl acetate	12.27	43	363057	56.686	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	241366	52.824	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	174518m	52.473	ug/l	
77) Bromobenzene	12.75	156	295040	55.469	ug/l	97
78) n-propylbenzene	12.80	91	1648182	57.500	ug/l	100
79) 2-Chlorotoluene	12.90	91	915628	55.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1126446	57.444	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	82901	58.775	ug/l	98
82) 4-Chlorotoluene	12.99	91	958886	55.267	ug/l	100
83) tert-Butylbenzene	13.21	119	941285	57.965	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1134586	57.068	ug/l	99
85) sec-Butylbenzene	13.38	105	1363698	56.195	ug/l	100
86) p-Isopropyltoluene	13.50	119	1239049	57.929	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	575216	53.498	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	570921	53.196	ug/l	100
89) n-Butylbenzene	13.83	91	1246185	58.807	ug/l	99
90) Hexachloroethane	14.10	117	226745	55.348	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	511695	53.076	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44043	53.862	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
Data File : VW010017.D
Acq On : 17 Apr 2019 15:19
Operator : SY/VA
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM

Quant Time: Apr 18 02:36:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	356615	56.070	ug/l	99
94) Hexachlorobutadiene	15.24	225	215139	55.703	ug/l	99
95) Naphthalene	15.37	128	687452	54.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	314778	57.045	ug/l	99

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

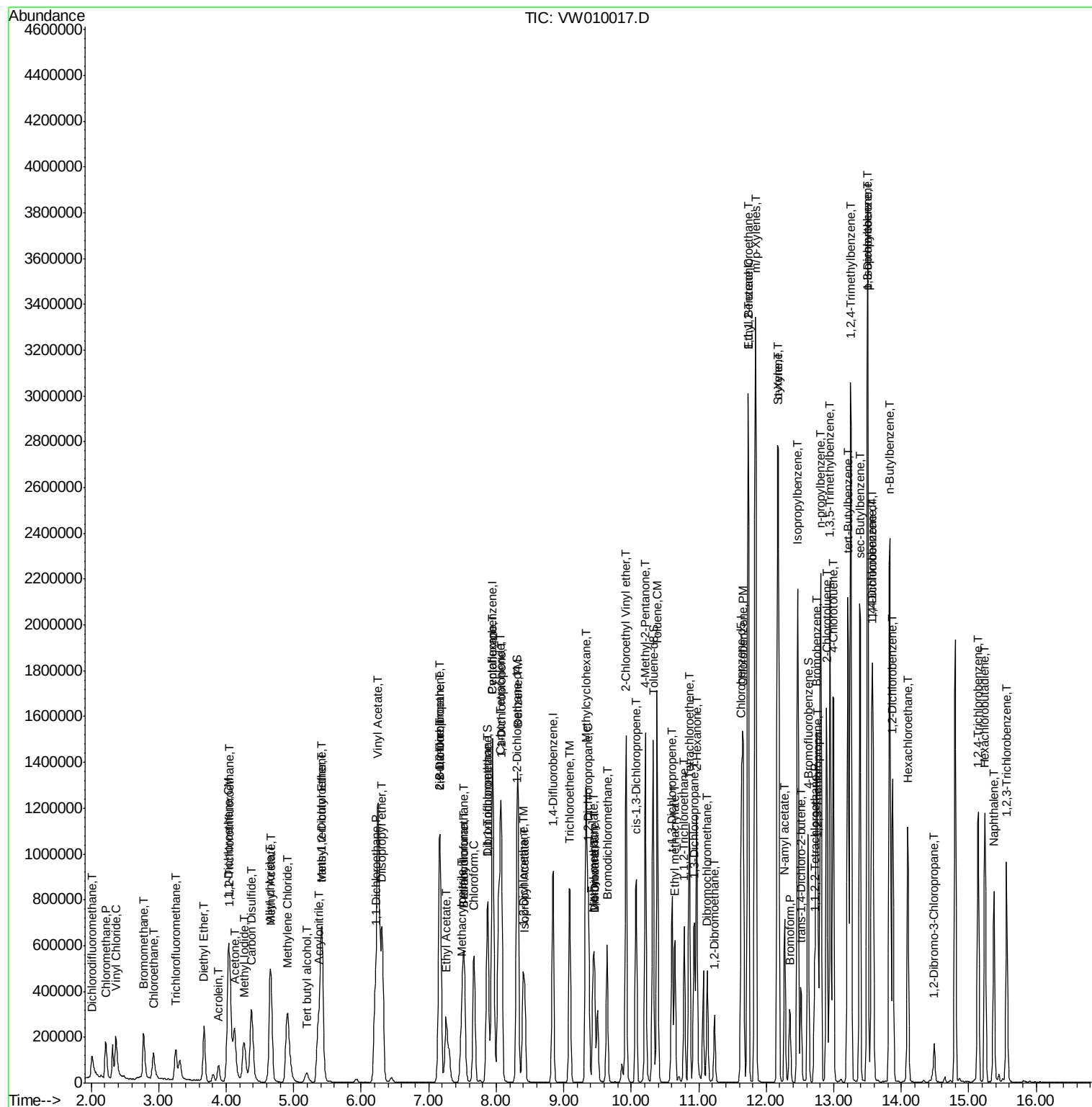
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041719\
Data File : VW010017.D
Acq On : 17 Apr 2019 15:19
Operator : SY/VA
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

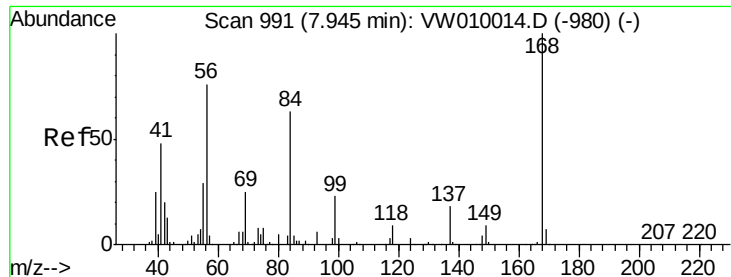
Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM

Quant Time: Apr 18 02:36:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion:168 Resp: 462823

Ion Ratio Lower Upper

168 100

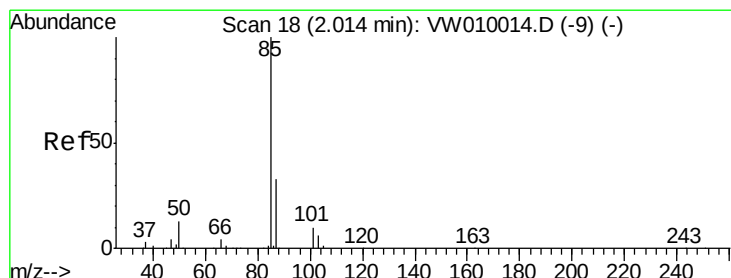
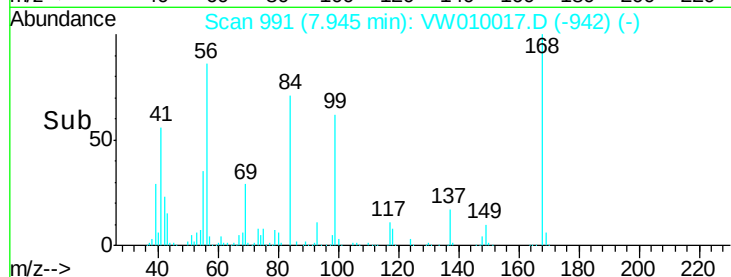
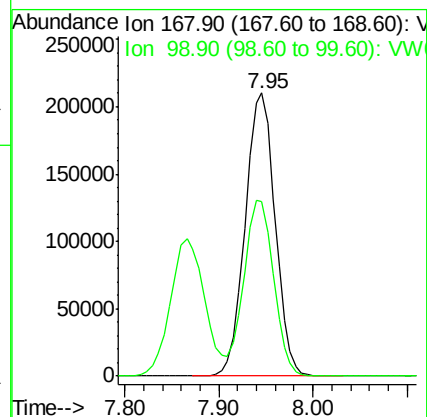
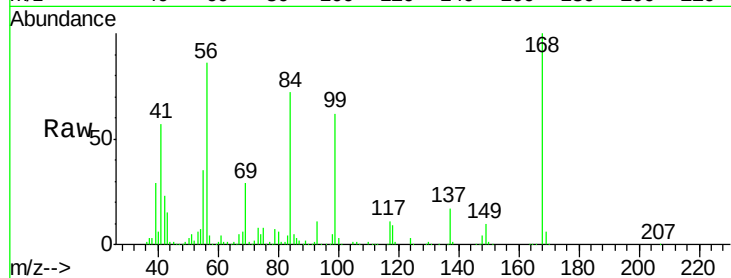
99 61.7 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:27 AM



#2

Dichlorodifluoromethane

Concen: 56.138 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010017.D

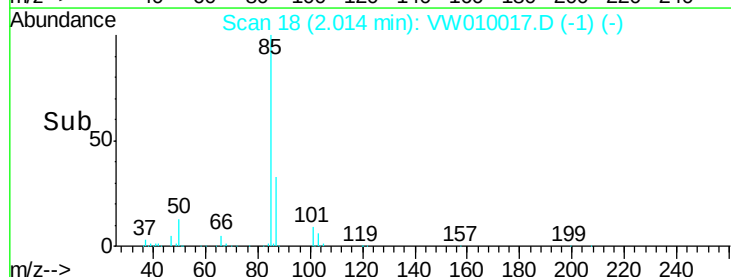
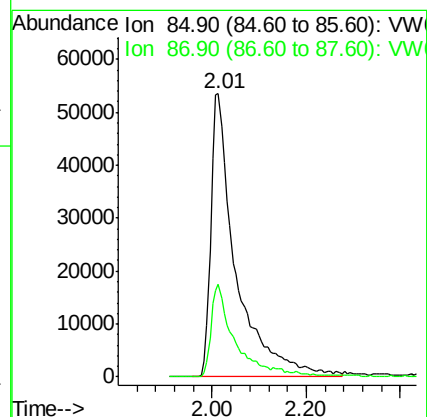
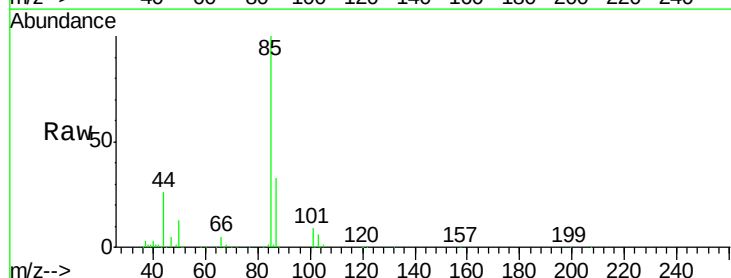
Acq: 17 Apr 2019 15:19

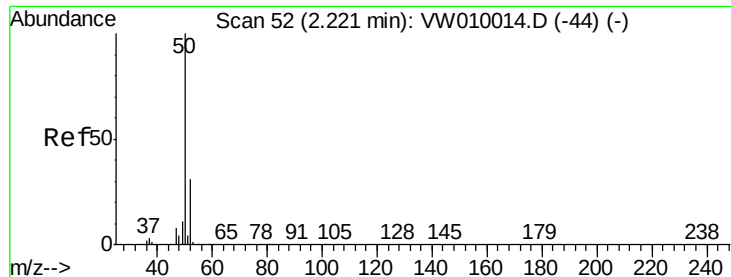
Tgt Ion: 85 Resp: 198107

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9





#3

Chloromethane

Concen: 57.523 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 50 Resp: 203002

Ion Ratio Lower Upper

50 100

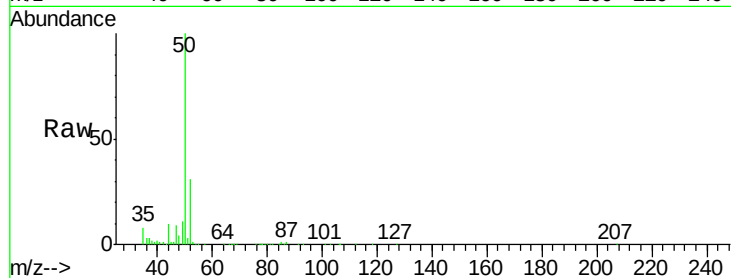
52 31.3 25.0 37.6

Manual Integrations

APPROVED

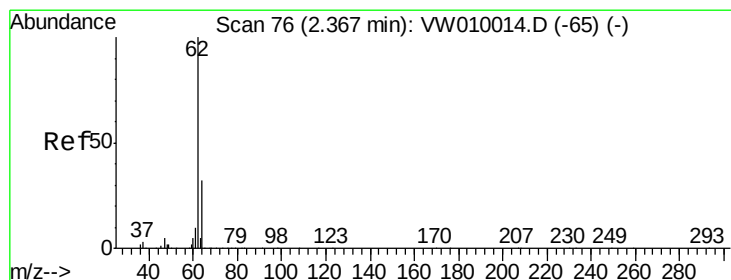
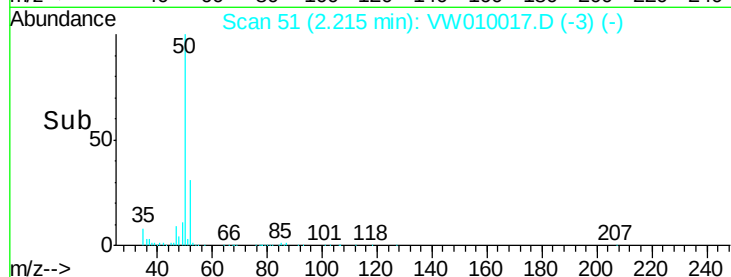
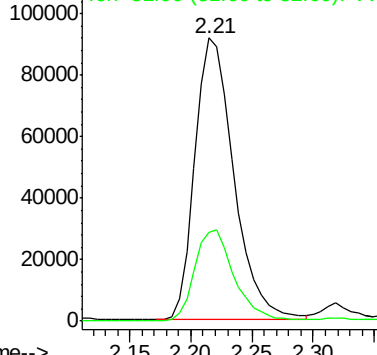
MMDadoda

4/18/2019 11:40:27 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 58.659 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010017.D

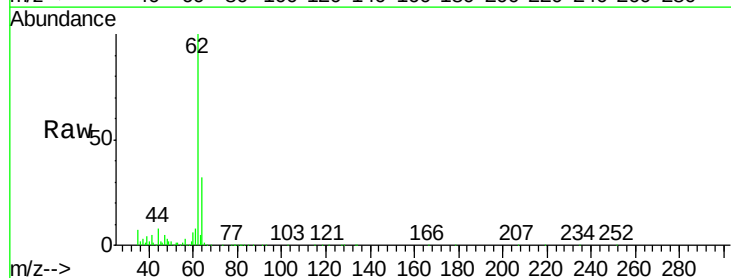
Acq: 17 Apr 2019 15:19

Tgt Ion: 62 Resp: 240628

Ion Ratio Lower Upper

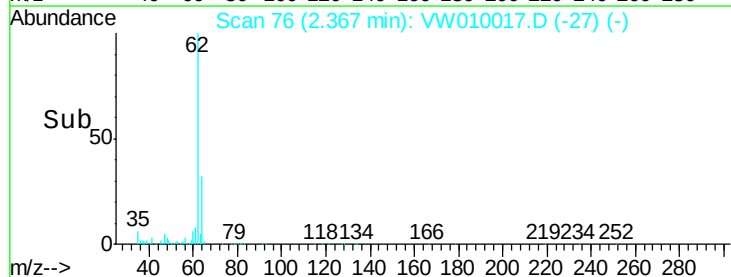
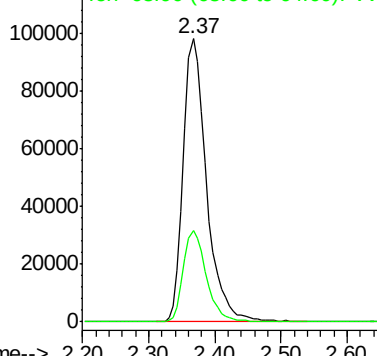
62 100

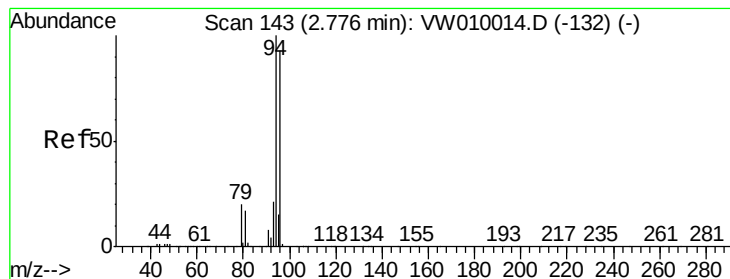
64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 56.189 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 94 Resp: 154901

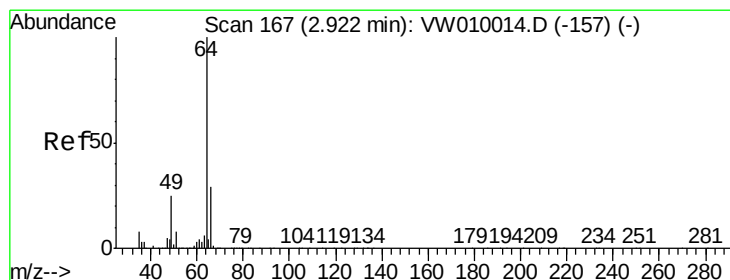
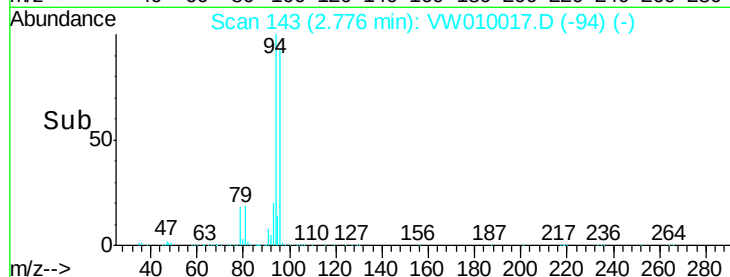
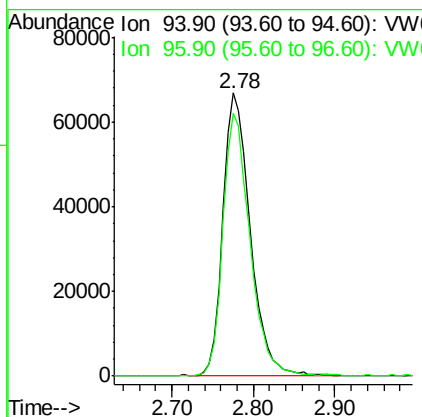
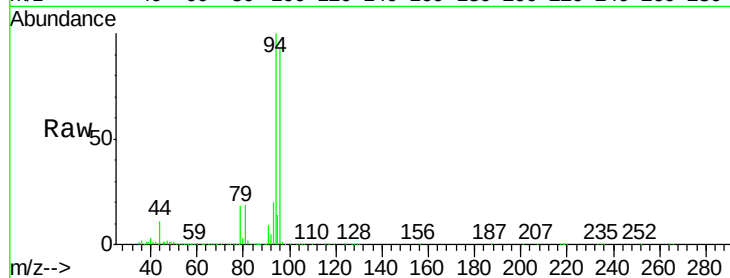
Ion Ratio Lower Upper

94 100

96 92.9 74.2 111.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#6

Chloroethane

Concen: 55.044 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010017.D

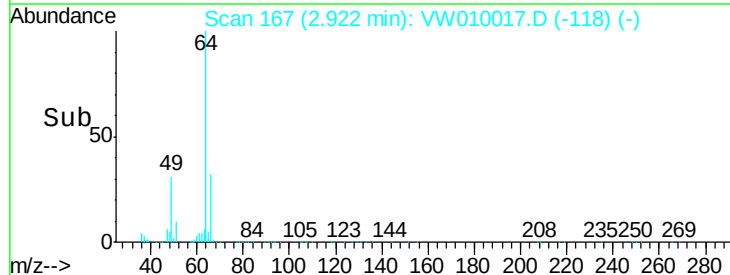
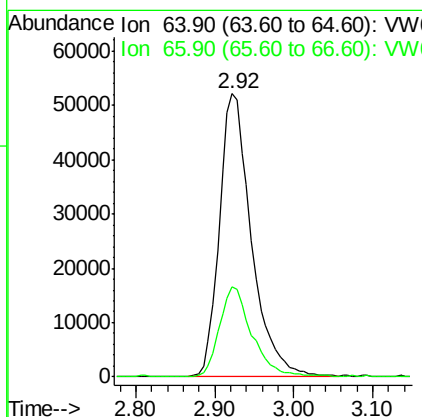
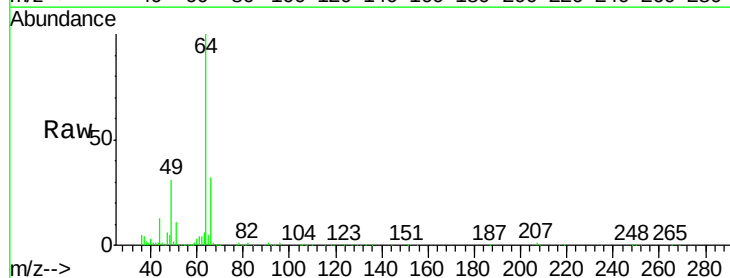
Acq: 17 Apr 2019 15:19

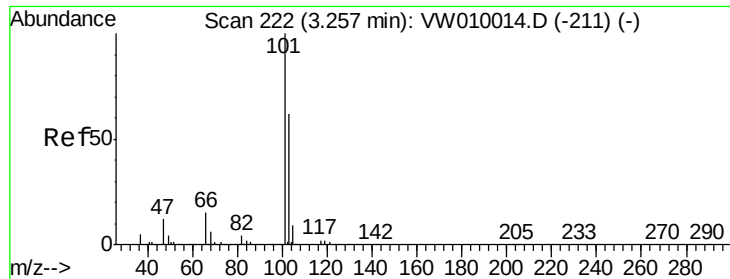
Tgt Ion: 64 Resp: 147534

Ion Ratio Lower Upper

64 100

66 31.9 23.4 35.0





#7

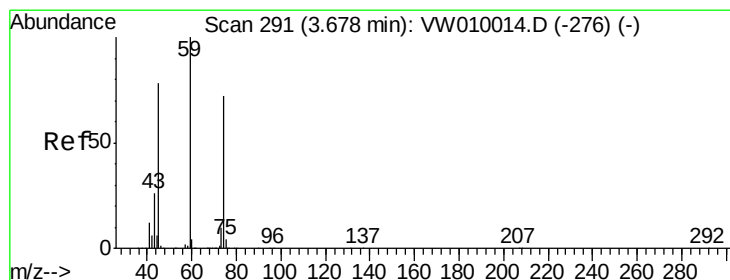
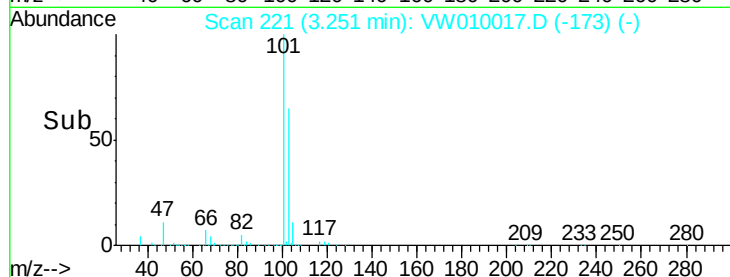
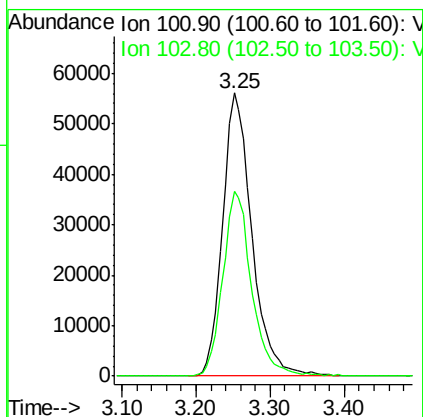
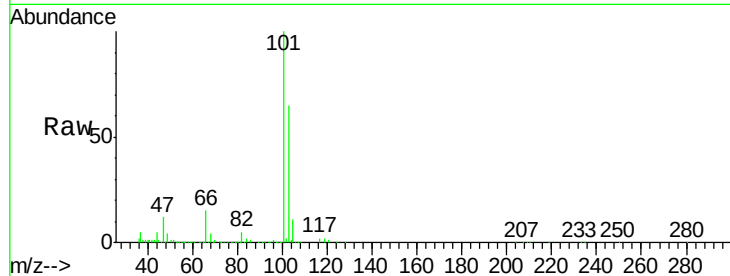
Trichlorofluoromethane
 Concen: 54.210 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.8	74.6

Manual Integrations
 APPROVED

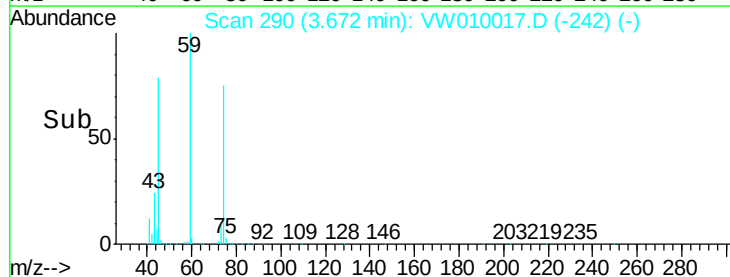
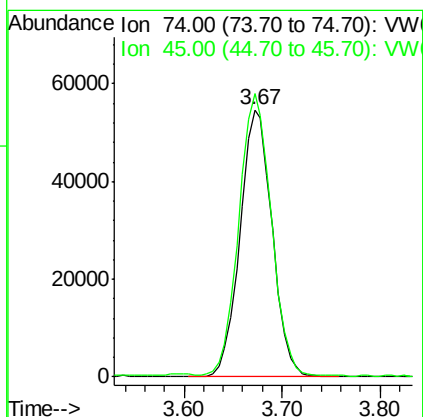
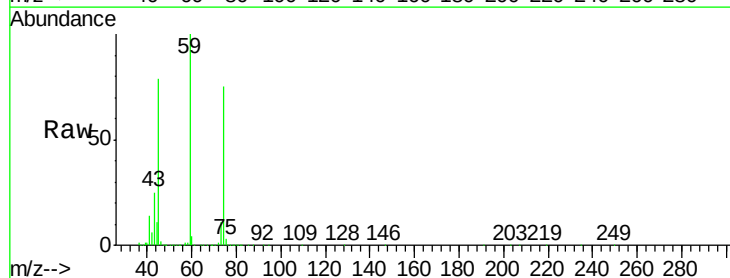
MMDadoda
 4/18/2019 11:40:27 AM

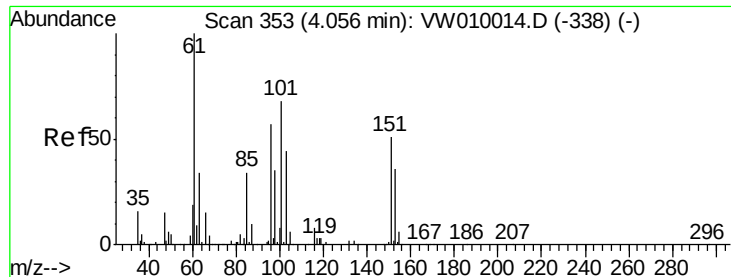


#8

Diethyl Ether
 Concen: 52.713 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.022 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

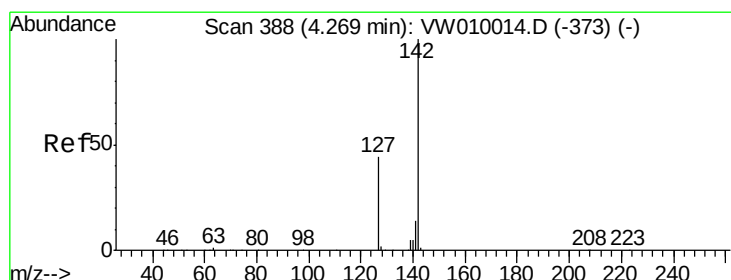
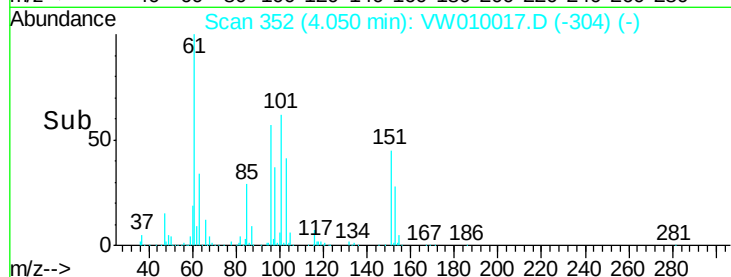
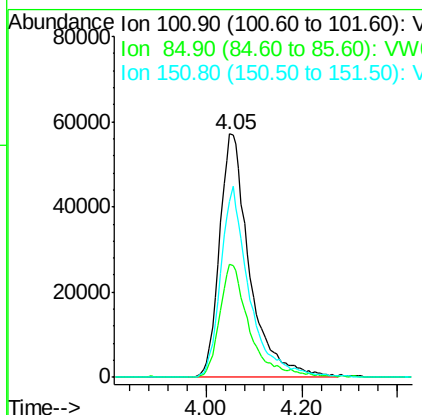
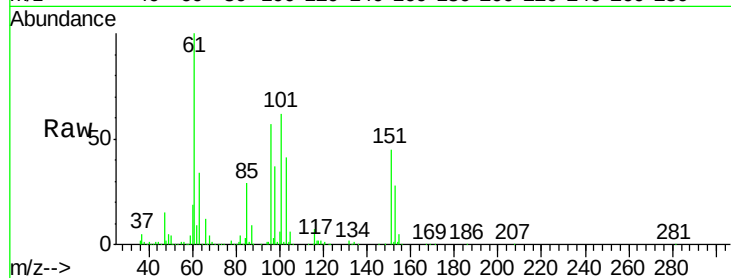
ClientSampleId :

ICVW041719

Tot Ion:	101	Resp:	248275
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.3	54.5
151	74.7	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#10

Methyl Iodide

Concen: 55.038 ug/l

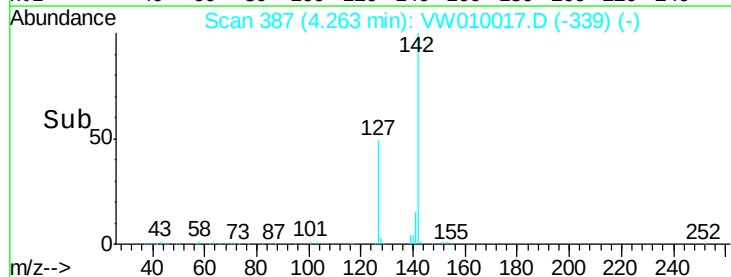
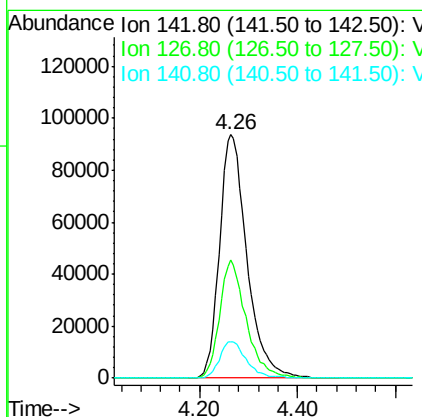
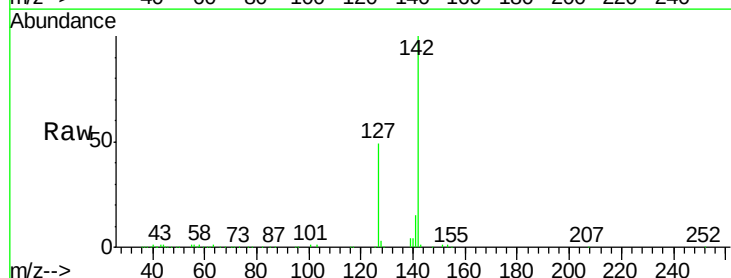
RT: 4.26 min Scan# 387

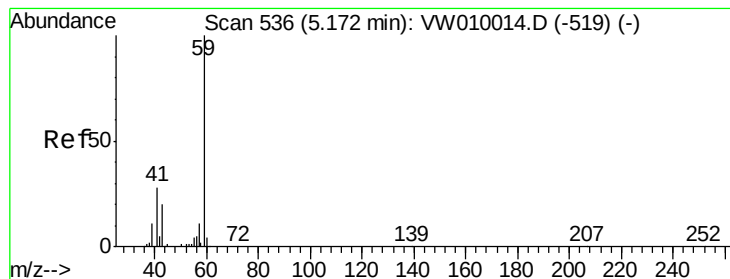
Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	142	Resp:	362990
Ion Ratio	Lower	Upper	
142	100		
127	46.9	38.1	57.1
141	14.9	12.2	18.2





#11

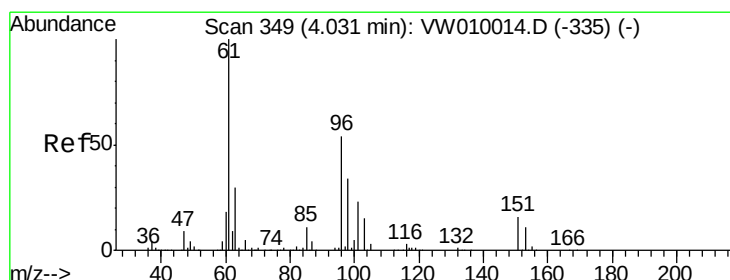
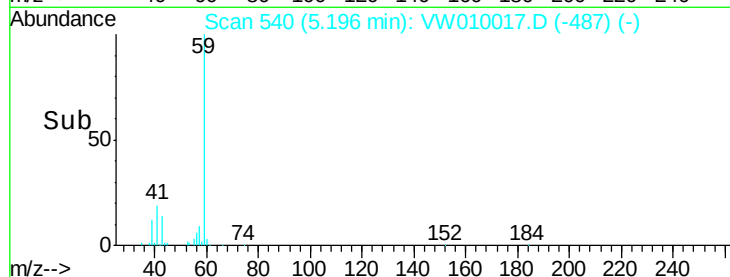
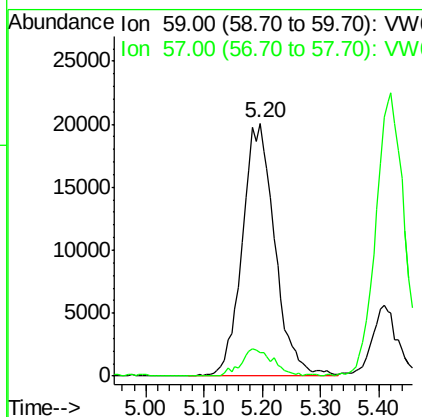
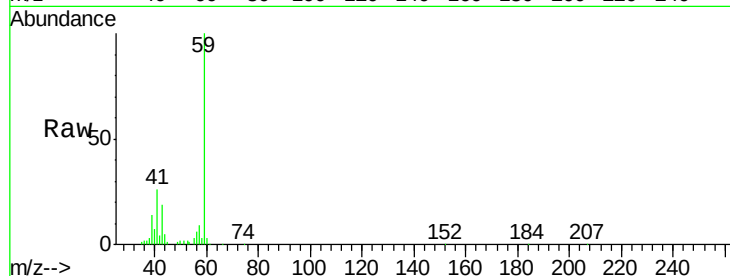
Tert butyl alcohol
Concen: 239.175 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4

Manual Integrations
APPROVED

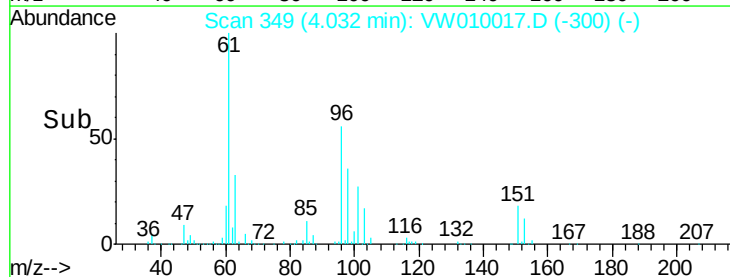
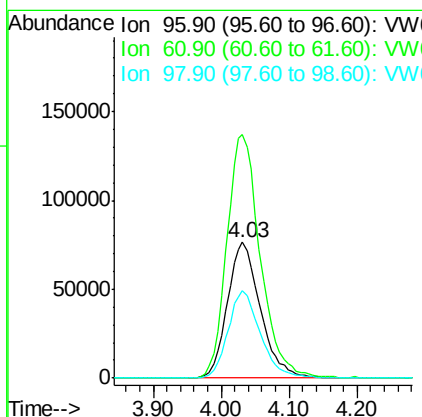
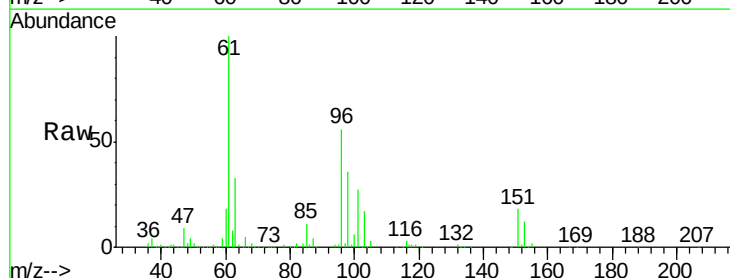
MMDadoda
4/18/2019 11:40:27 AM

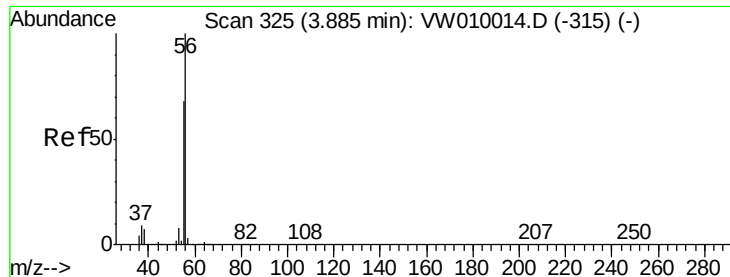


#12

1,1-Dichloroethene
Concen: 56.211 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	147.4	221.2
98	64.7	49.7	74.5





#13

Acrolein

Concen: 258.789 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 56 Resp: 88573

Ion Ratio Lower Upper

56 100

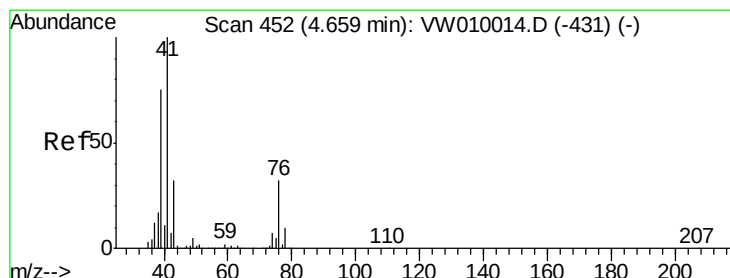
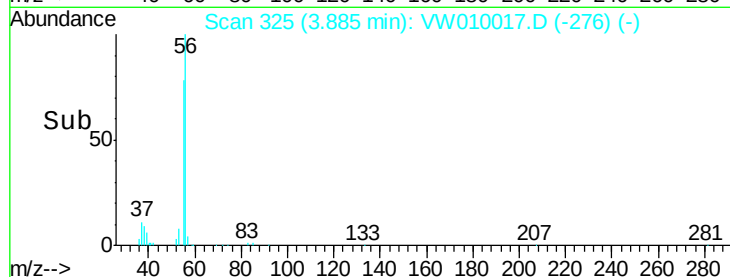
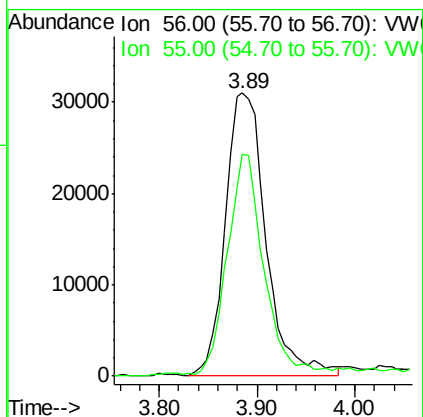
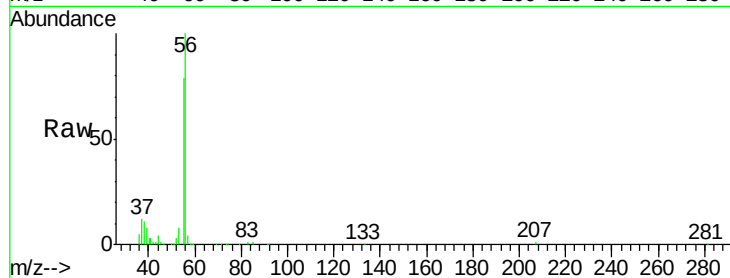
55 69.6 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:27 AM



#14

Allyl chloride

Concen: 55.947 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

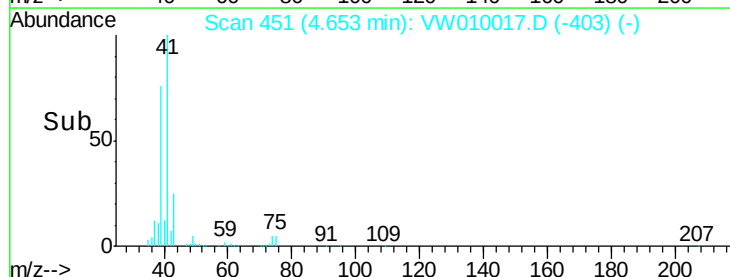
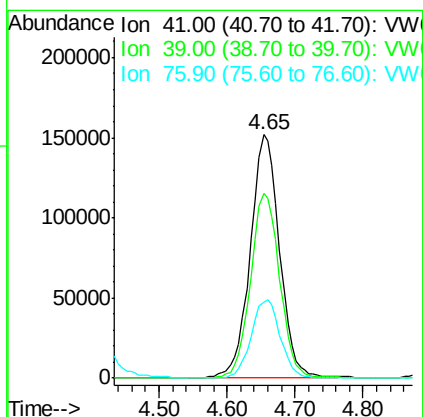
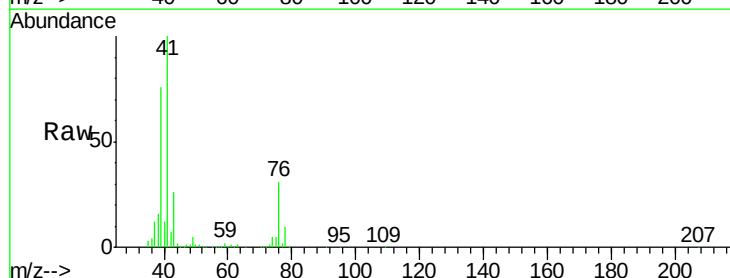
Tgt Ion: 41 Resp: 455099

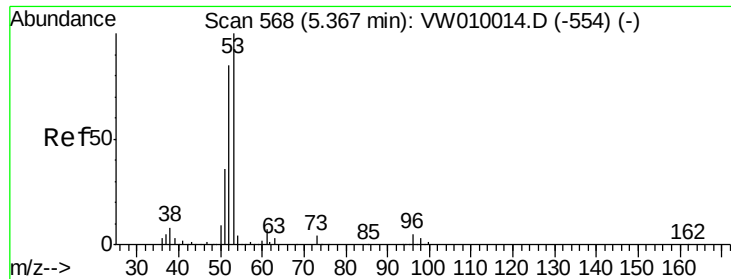
Ion Ratio Lower Upper

41 100

39 76.1 60.2 90.4

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 257.075 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

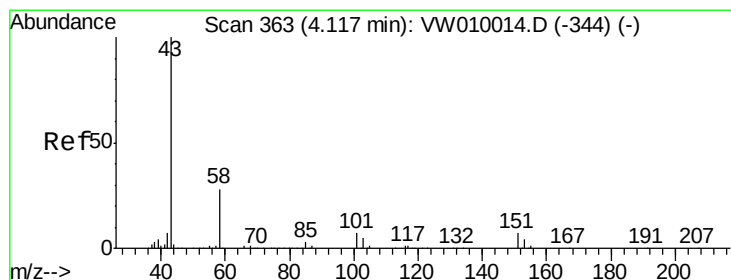
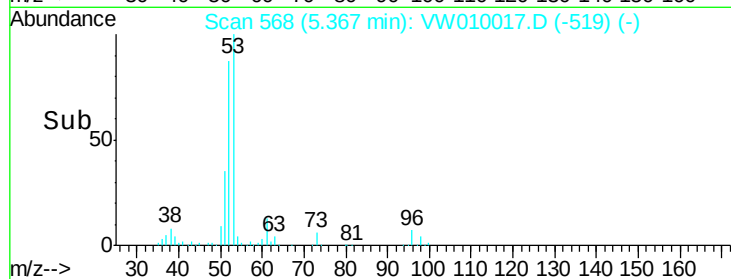
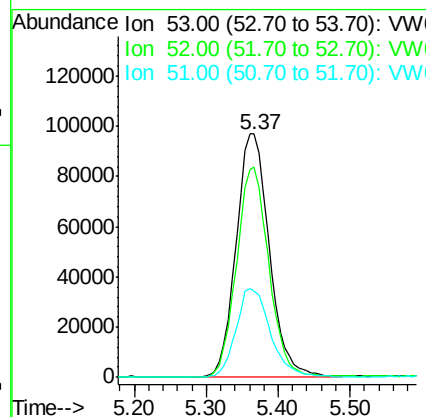
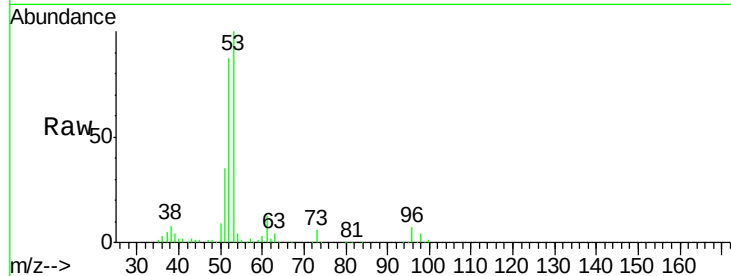
ClientSampleId :

ICVW041719

Tot Ion:	53	Resp:	312124
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.6	100.0
51	37.6	30.3	45.5

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#16

Acetone

Concen: 252.846 ug/l

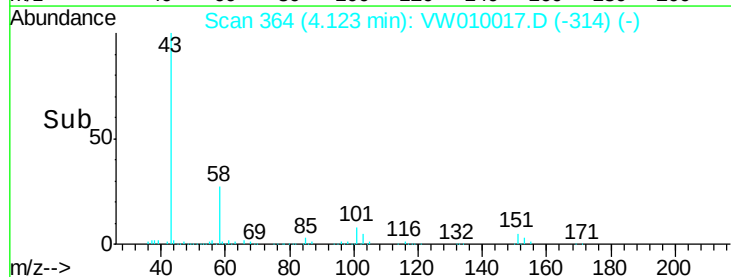
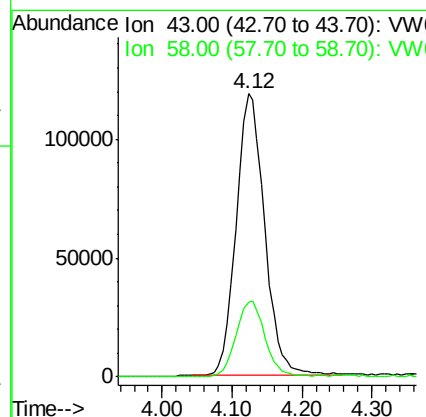
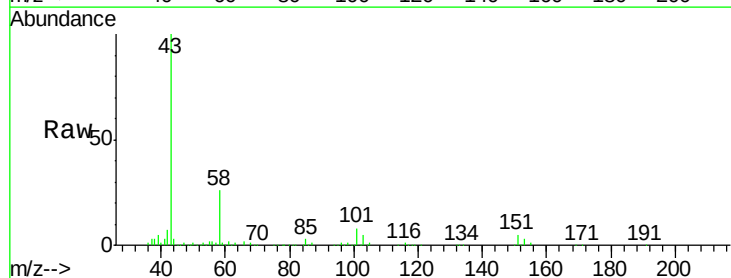
RT: 4.12 min Scan# 364

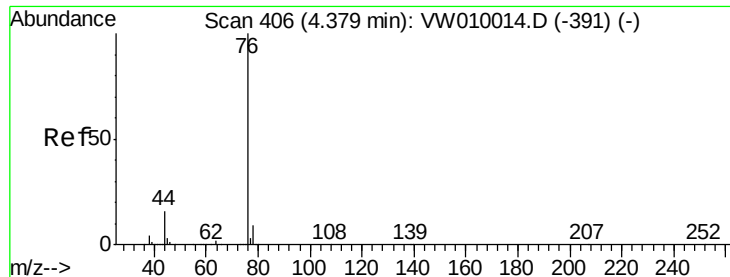
Delta R.T. 0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	43	Resp:	335067
Ion Ratio	Lower	Upper	
43	100		
58	26.2	22.7	34.1





#17

Carbon Disulfide

Concen: 55.416 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 76 Resp: 765901

Ion Ratio Lower Upper

76 100

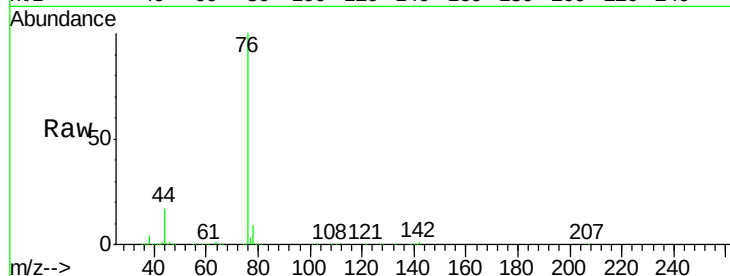
78 9.0 7.4 11.2

Manual Integrations

APPROVED

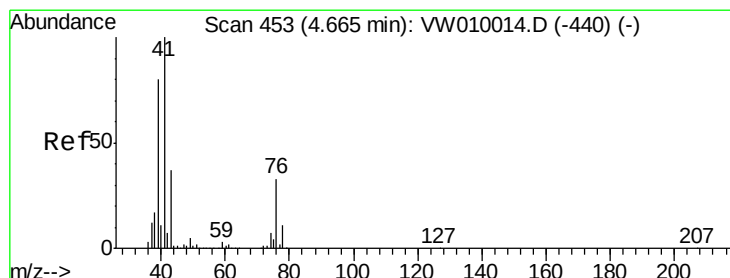
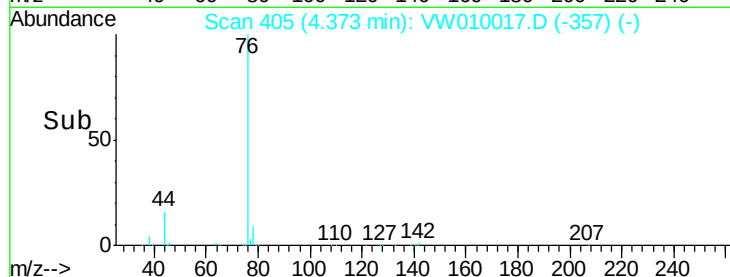
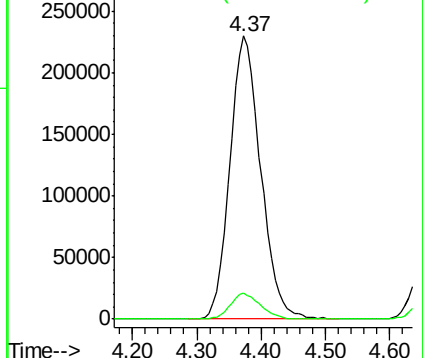
MMDadoda

4/18/2019 11:40:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 47.701 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010017.D

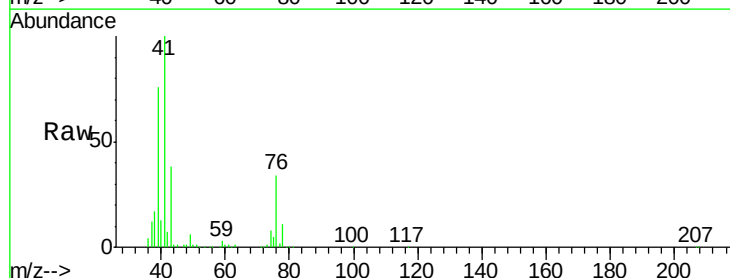
Acq: 17 Apr 2019 15:19

Tgt Ion: 43 Resp: 146301

Ion Ratio Lower Upper

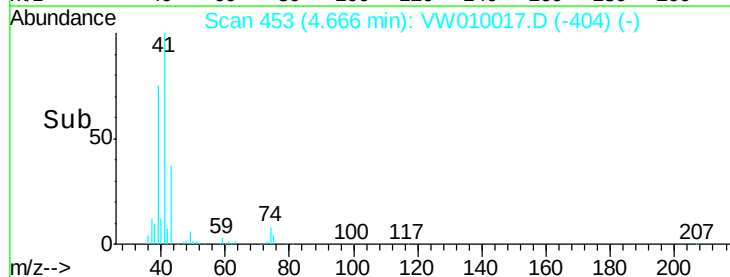
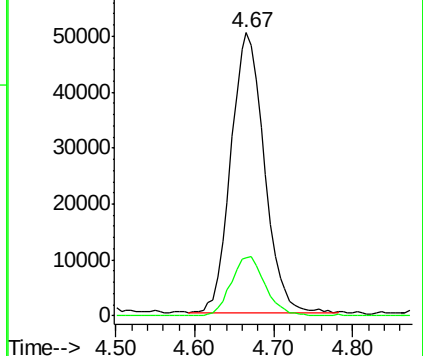
43 100

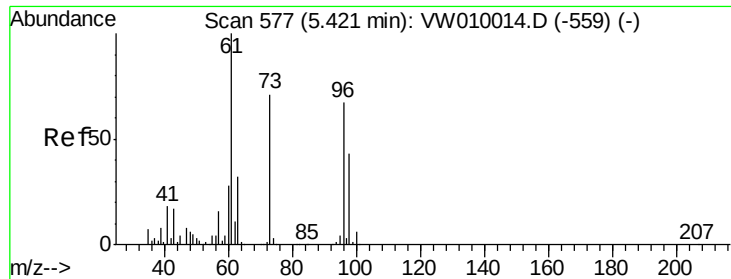
74 21.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





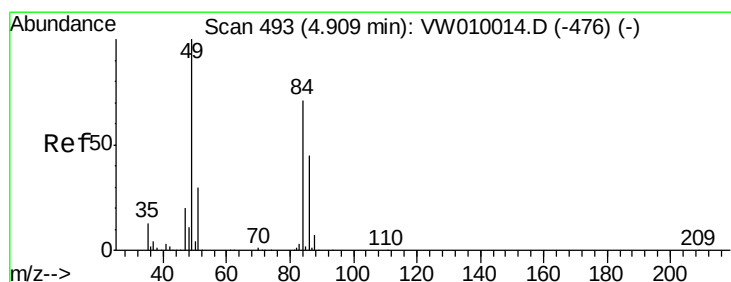
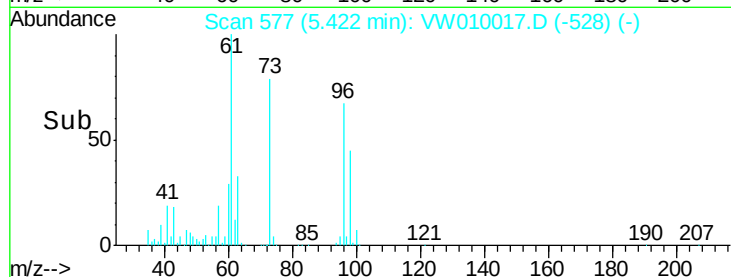
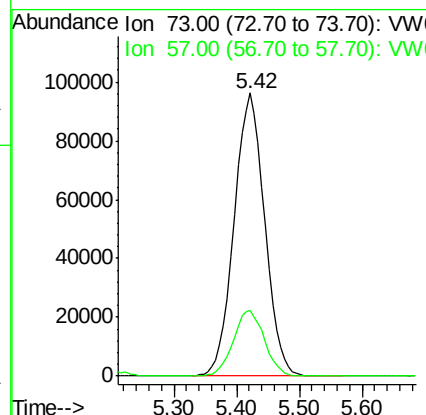
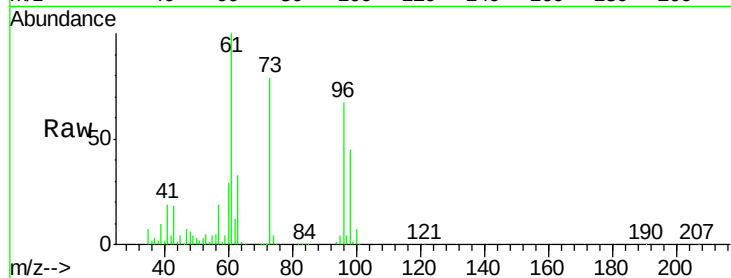
#19
Methyl tert-butyl Ether
Concen: 54.555 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7

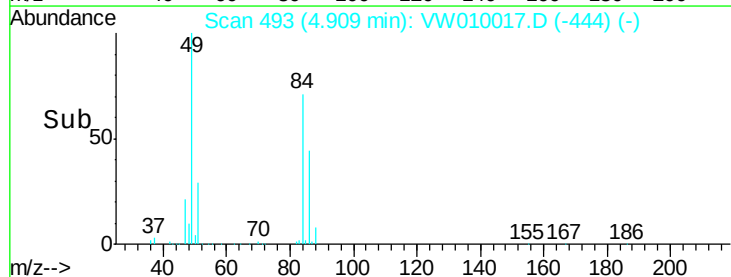
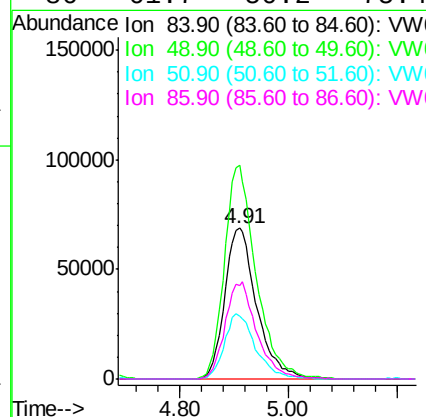
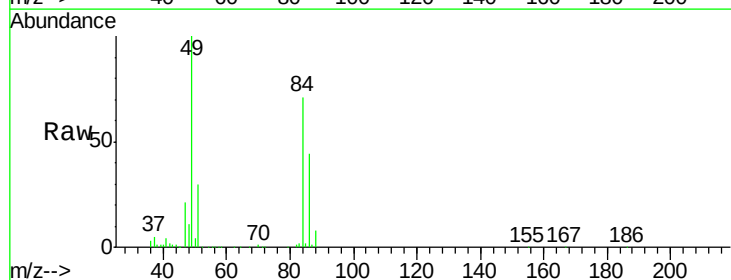
Manual Integrations
APPROVED

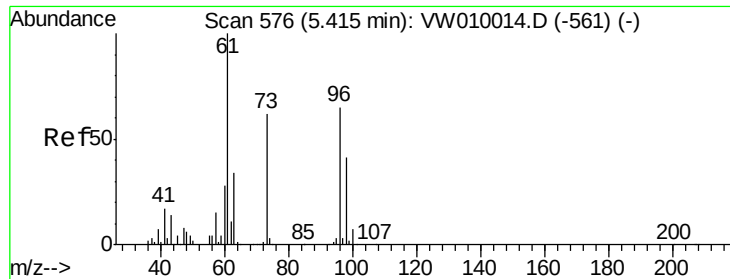
MMDadoda
4/18/2019 11:40:27 AM



#20
Methylene Chloride
Concen: 54.857 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.4	112.3	168.5
51	41.8	33.9	50.9
86	61.7	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 56.310 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

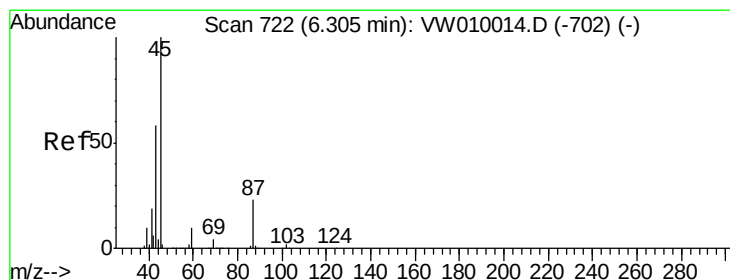
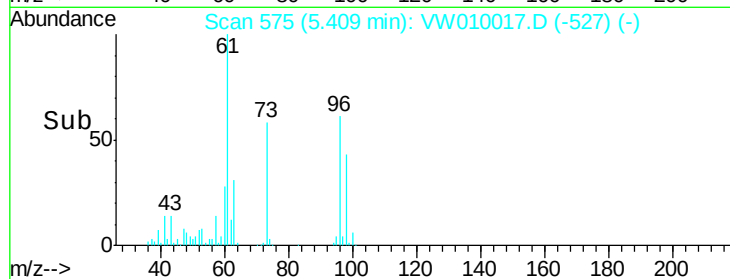
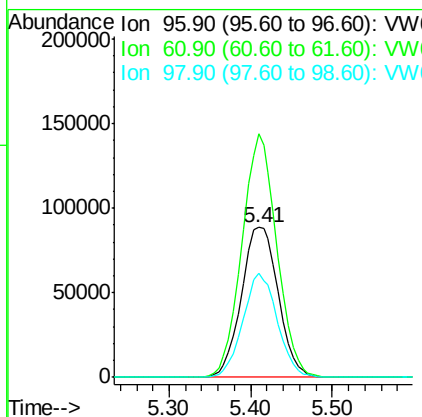
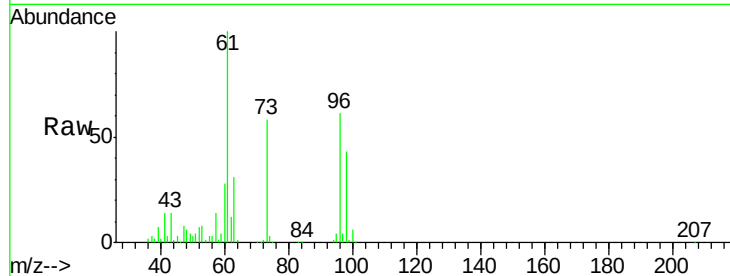
ClientSampleId :

ICVW041719

Tot Ion:	96	Resp:	278991
Ion	Ratio	Lower	Upper
96	100		
61	162.7	122.3	183.5
98	69.5	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#22

Diisopropyl ether

Concen: 53.278 ug/l

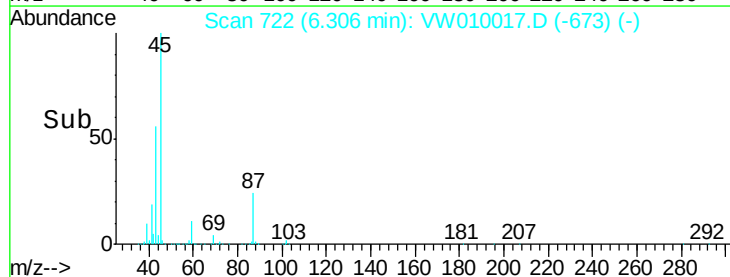
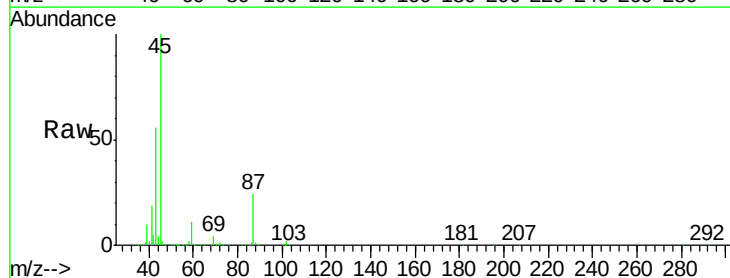
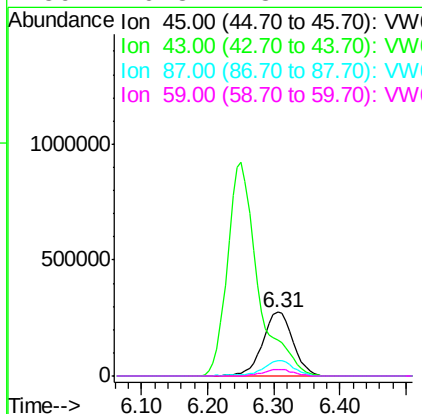
RT: 6.31 min Scan# 722

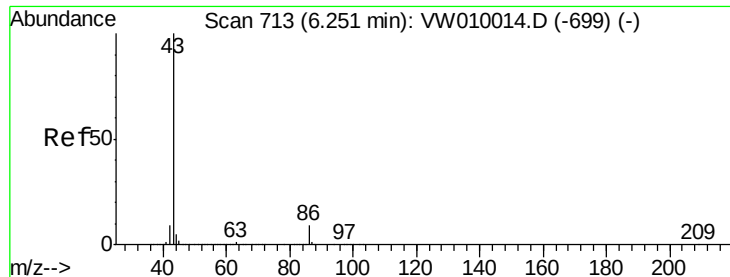
Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	45	Resp:	879093
Ion	Ratio	Lower	Upper
45	100		
43	56.4	46.1	69.1
87	23.9	18.3	27.5
59	10.8	8.2	12.4





#23

Vinyl Acetate

Concen: 283.556 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tot Ion: 43 Resp: 2945298

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

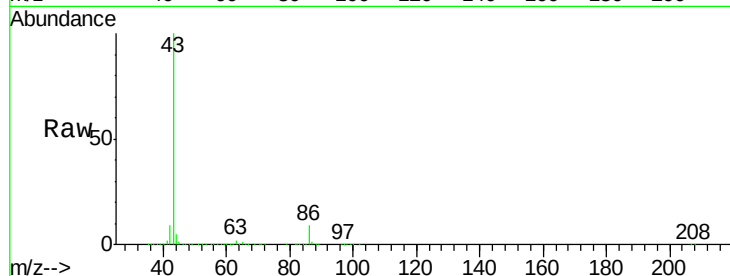
ICVW041719

Manual Integrations

APPROVED

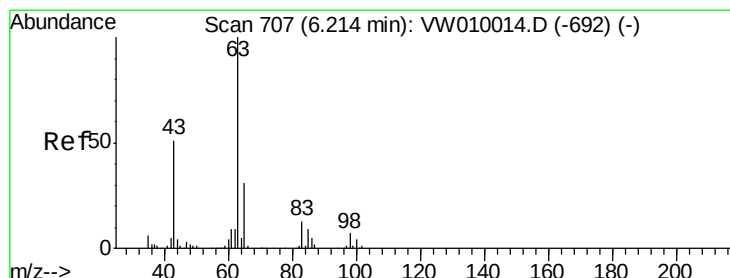
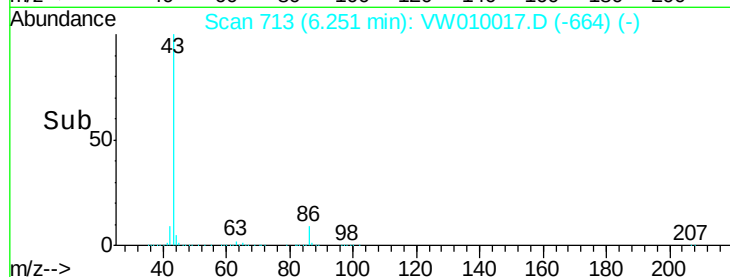
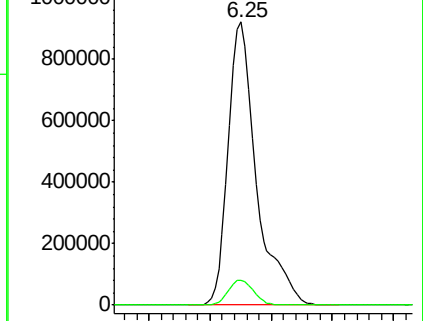
MMDadoda

4/18/2019 11:40:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.576 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

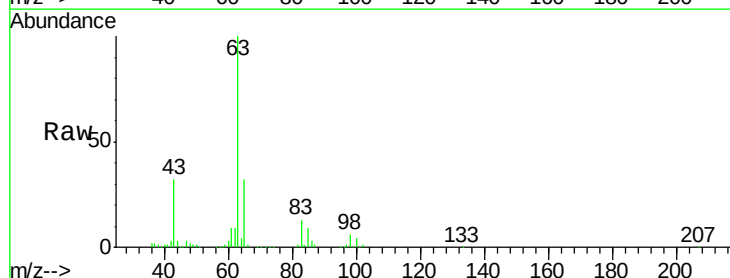
Tgt Ion: 63 Resp: 518591

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

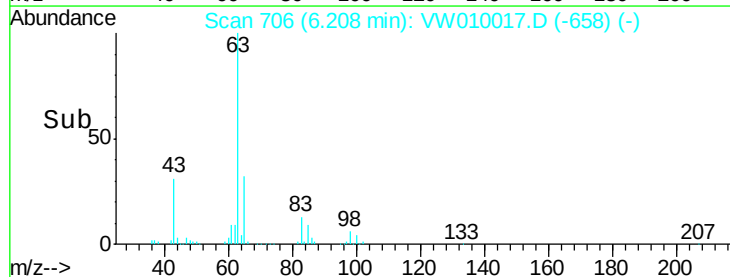
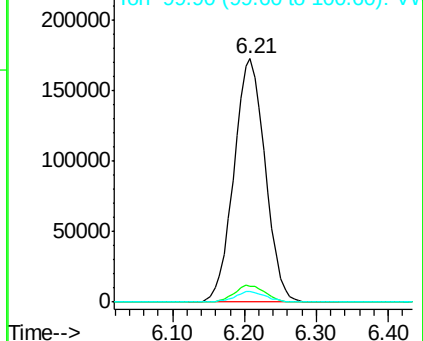
100 4.2 2.0 6.0

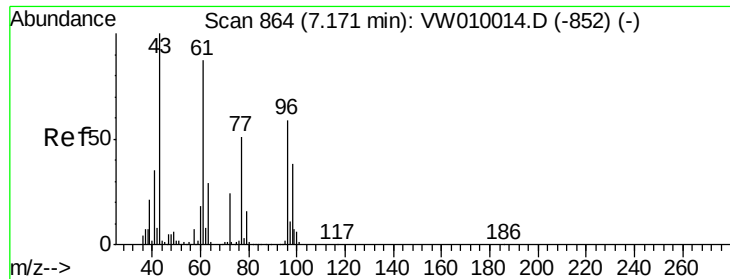


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 265.039 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 43 Resp: 461375

Ion Ratio Lower Upper

43 100

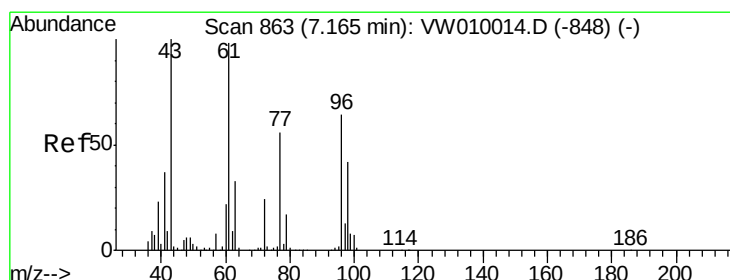
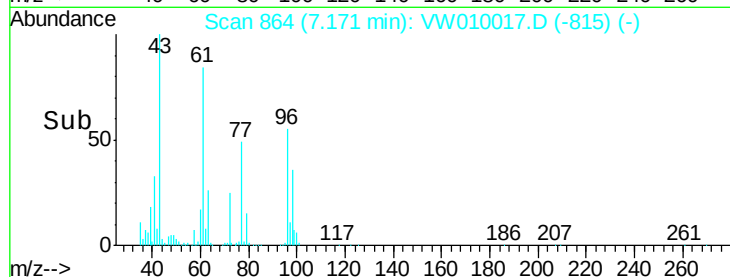
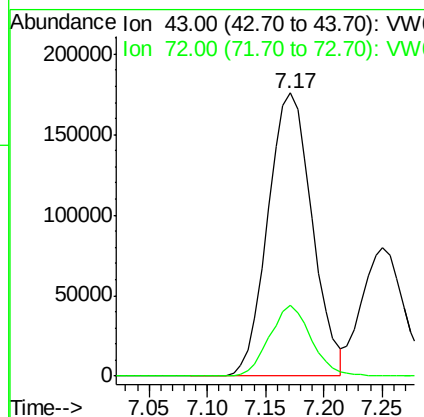
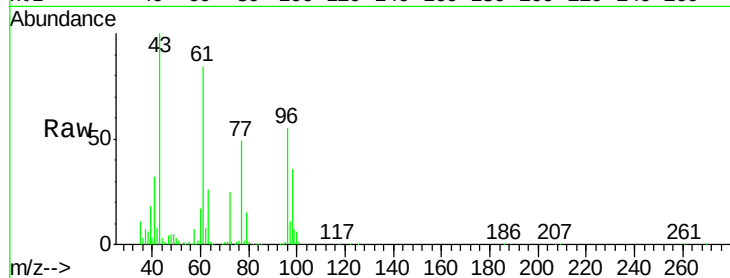
72 24.9 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:27 AM



#26

2,2-Dichloropropane

Concen: 53.760 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010017.D

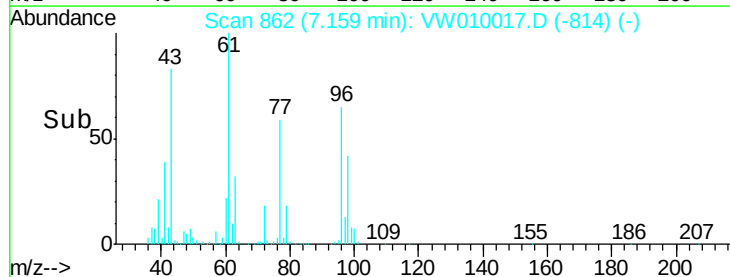
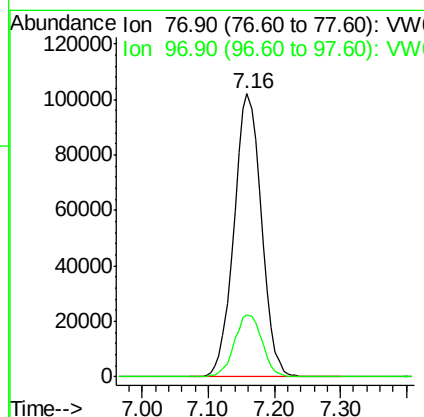
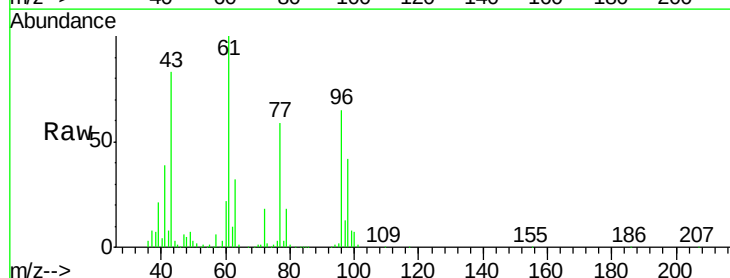
Acq: 17 Apr 2019 15:19

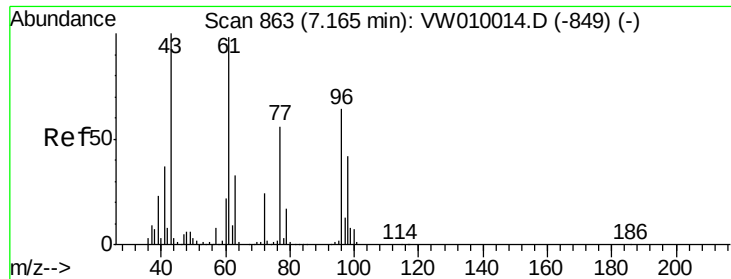
Tgt Ion: 77 Resp: 293380

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.9





#27

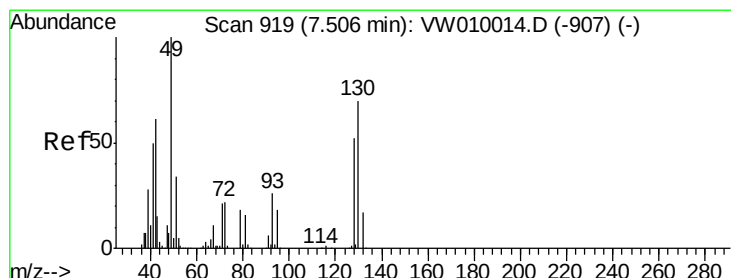
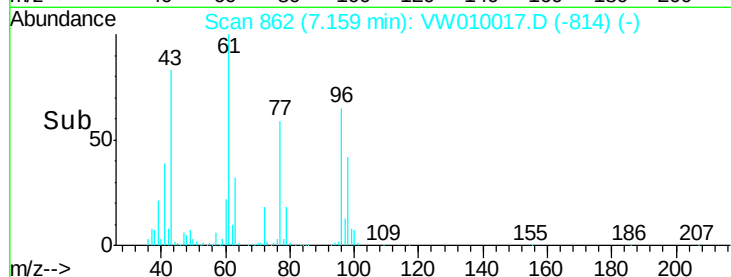
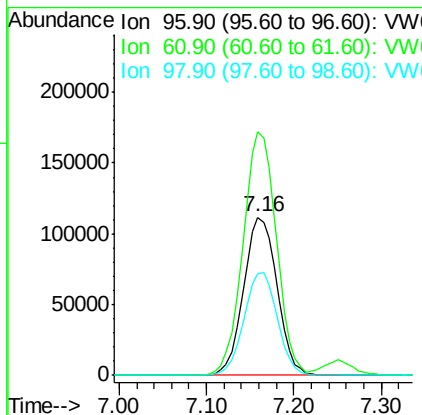
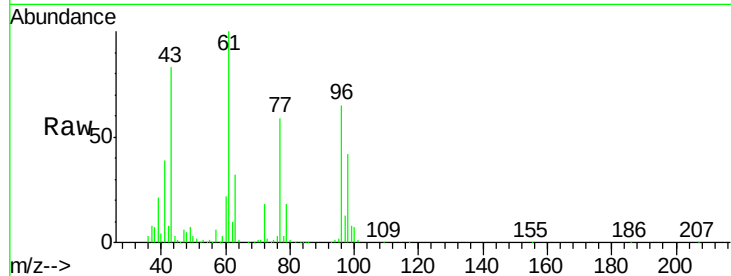
cis-1,2-Dichloroethene
 Concen: 54.488 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Resp	Lower	Upper
96	100	296907		
61	153.3	0.0	309.4	
98	64.6	0.0	128.6	

Manual Integrations
 APPROVED

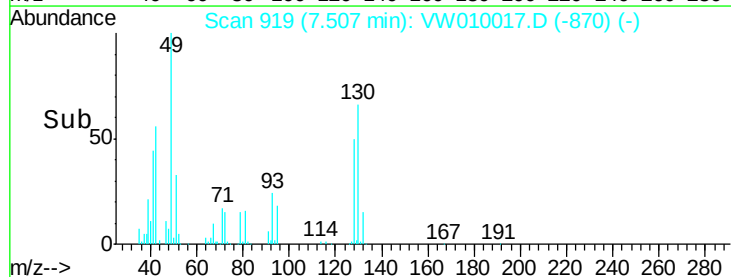
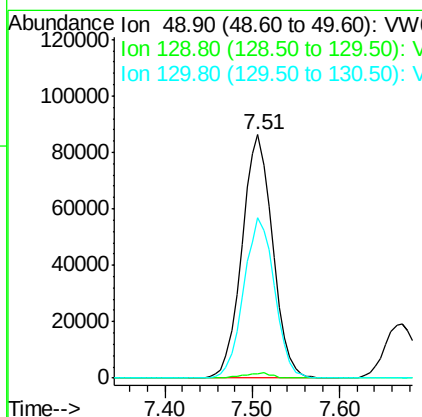
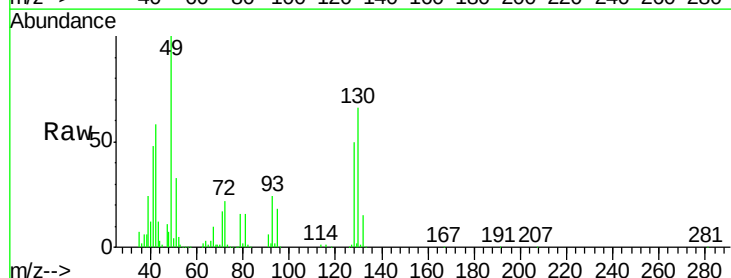
MMDadoda
 4/18/2019 11:40:27 AM

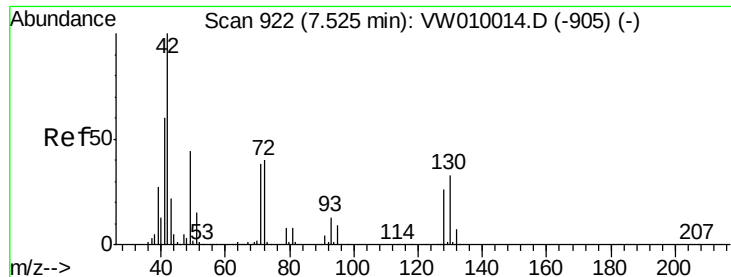


#28

Bromochloromethane
 Concen: 51.947 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	209397		
129	1.9	0.0	3.8	
130	66.3	54.6	82.0	





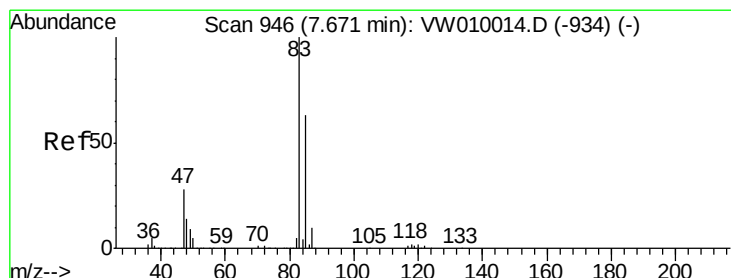
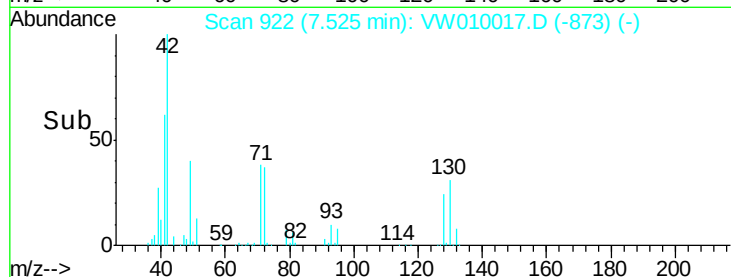
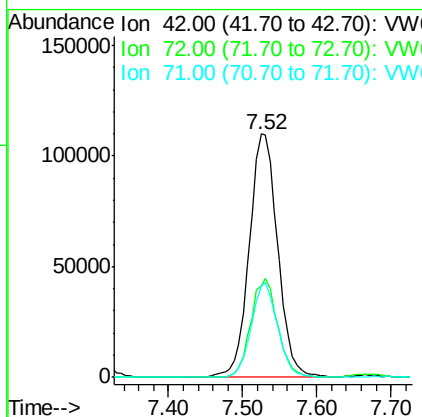
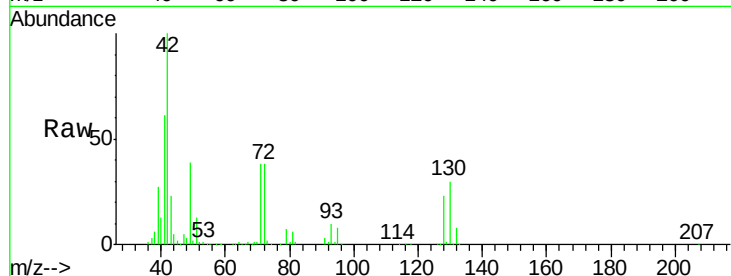
#29
Tetrahydrofuran
Concen: 267.596 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.0	46.6
71	36.0	29.7	44.5

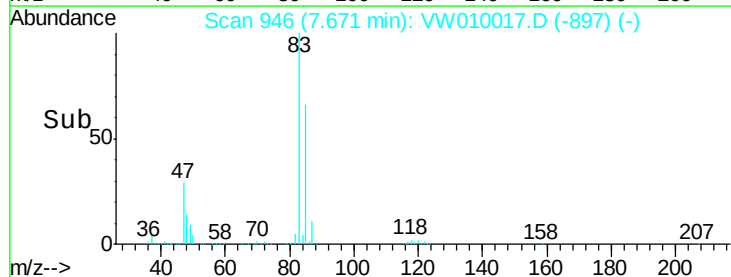
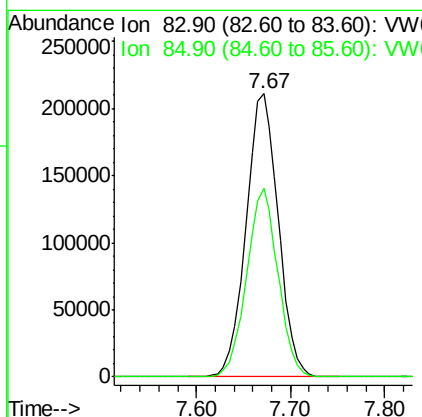
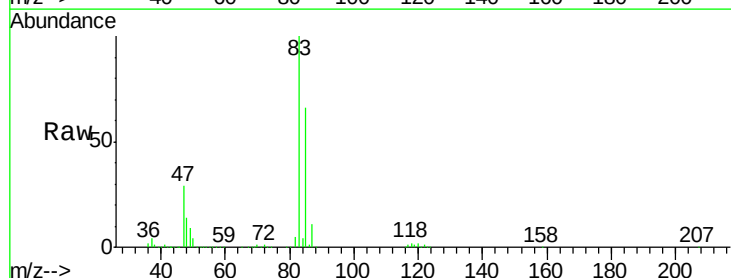
Manual Integrations
APPROVED

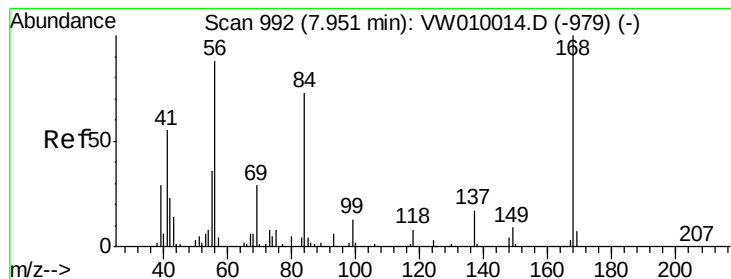
MMDadoda
4/18/2019 11:40:27 AM



#30
Chloroform
Concen: 51.252 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.7	76.1





#31

Cyclohexane

Concen: 53.345 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010017.D

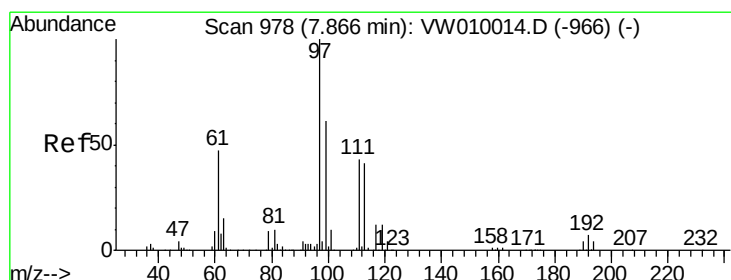
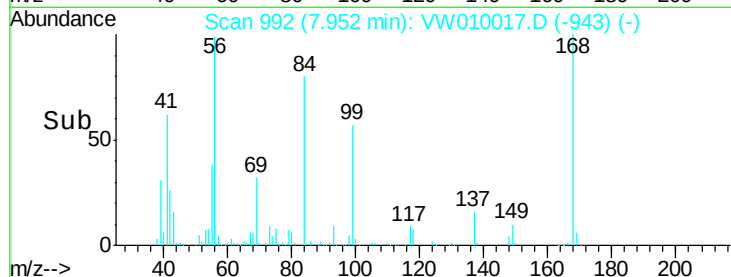
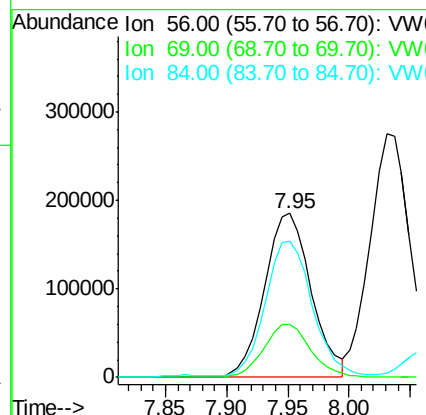
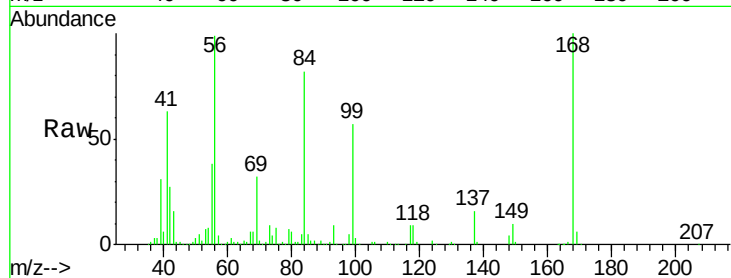
Acq: 17 Apr 2019 15:19

Tot Ion:	56	Resp:	492728
Ion Ratio	Lower	Upper	
56	100		
69	32.2	26.6	40.0
84	82.0	66.2	99.2

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#32

1,1,1-Trichloroethane

Concen: 52.026 ug/l

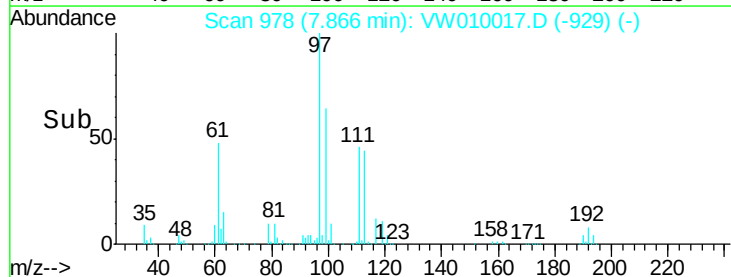
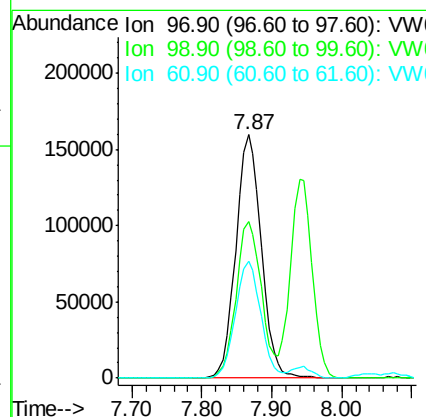
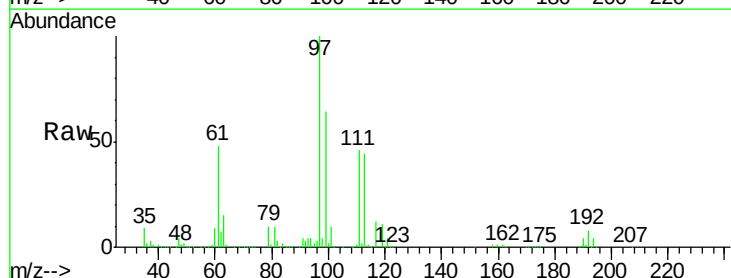
RT: 7.87 min Scan# 978

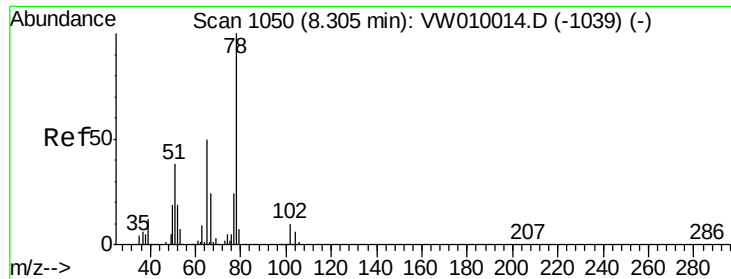
Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	97	Resp:	403670
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.2	75.2
61	47.8	38.2	57.2





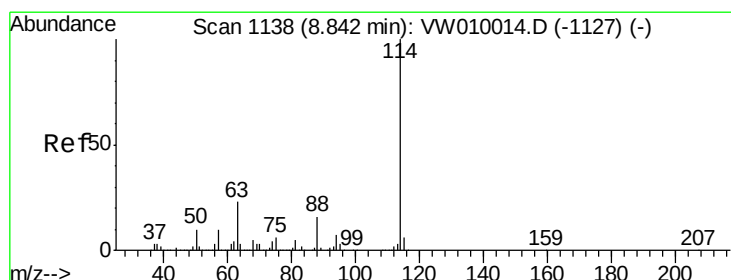
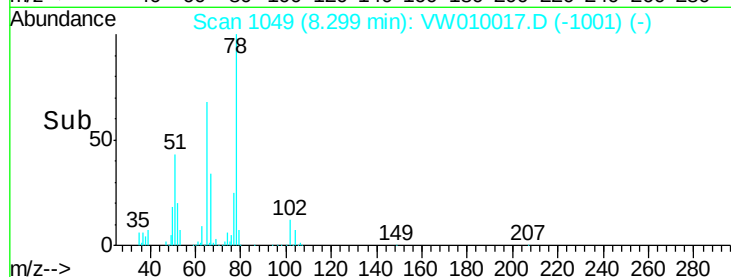
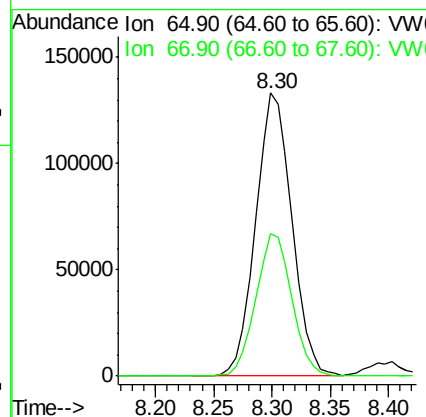
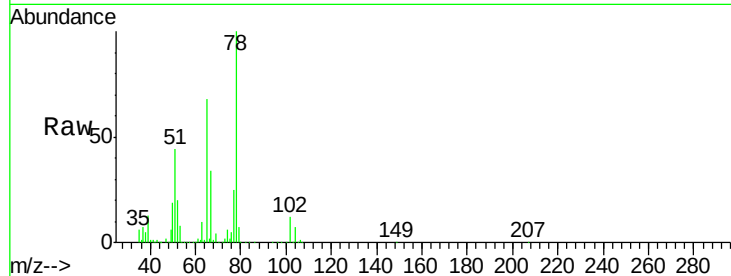
#33
 1,2-Dichloroethane-d4
 Concen: 50.722 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Resp	Lower	Upper
65	100	289697		
67	49.9	0.0	100.8	

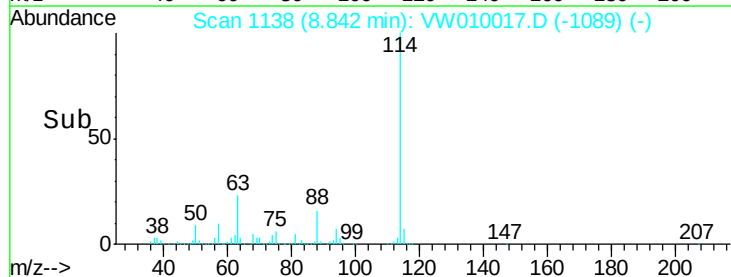
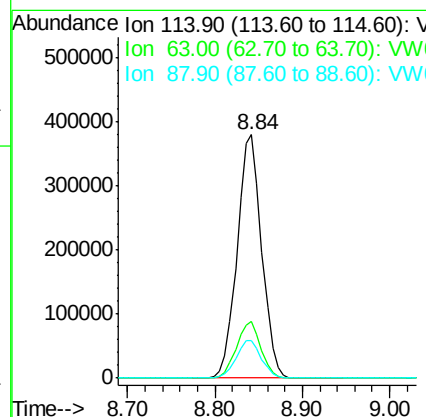
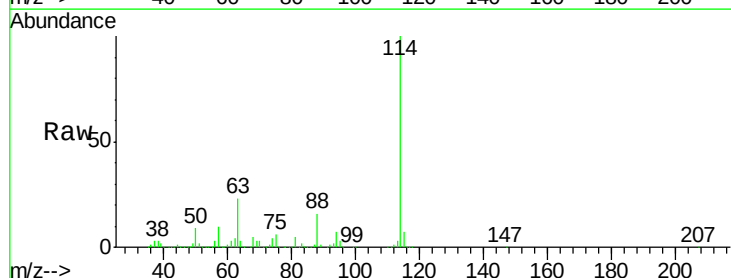
Manual Integrations
 APPROVED

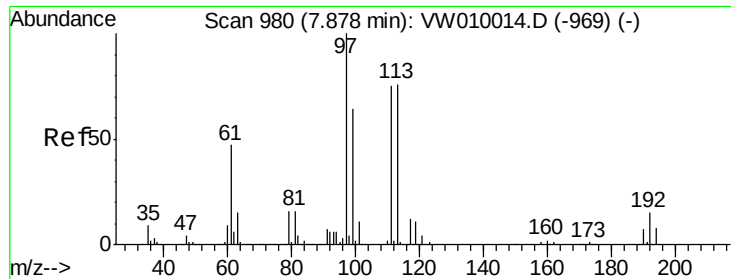
MMDadoda
 4/18/2019 11:40:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	737649		
63	23.1	0.0	46.2	
88	15.6	0.0	32.6	





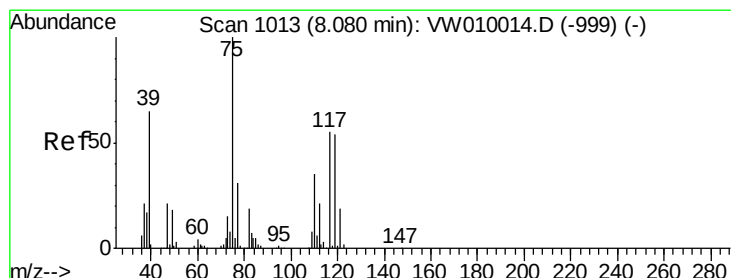
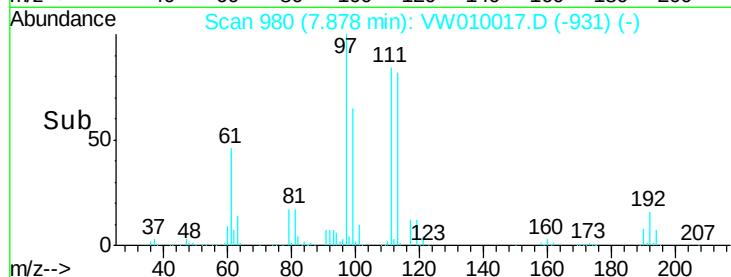
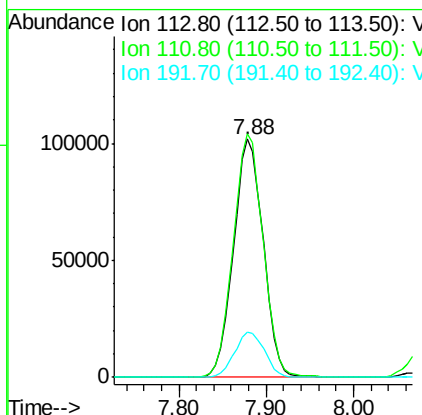
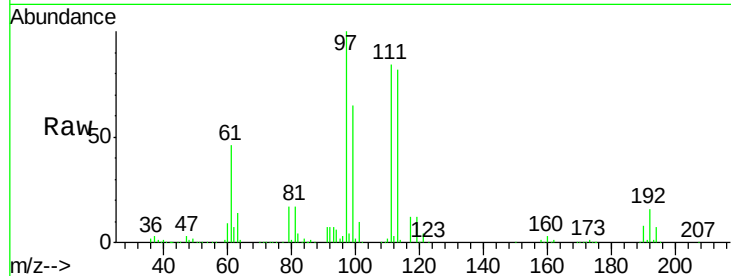
#35
 Dibromofluoromethane
 Concen: 51.207 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240146		
111	103.0	82.6	123.8	
192	19.2	15.4	23.2	

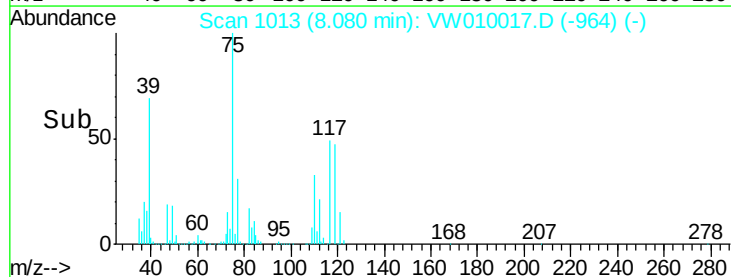
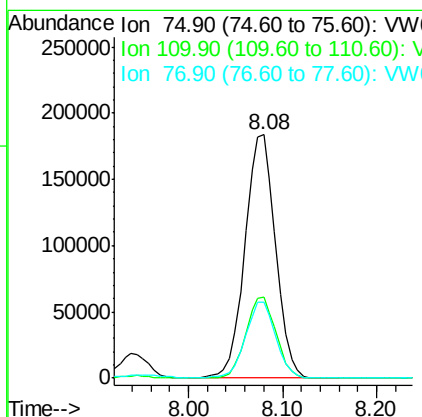
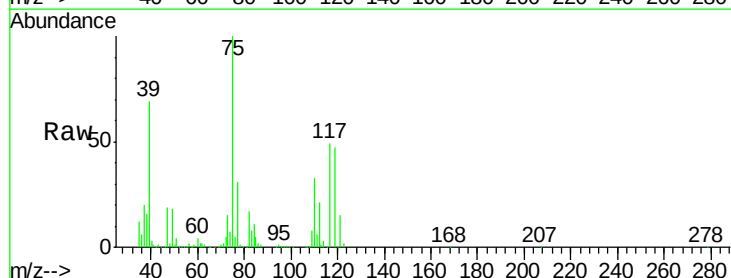
Manual Integrations
 APPROVED

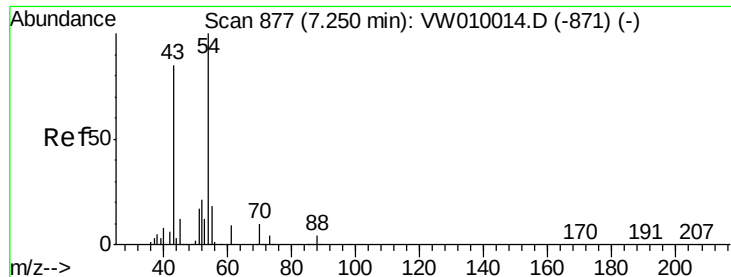
MMDadoda
 4/18/2019 11:40:27 AM



#36
 1,1-Dichloropropene
 Concen: 55.437 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	417717		
110	32.8	16.6	49.8	
77	31.3	24.8	37.2	





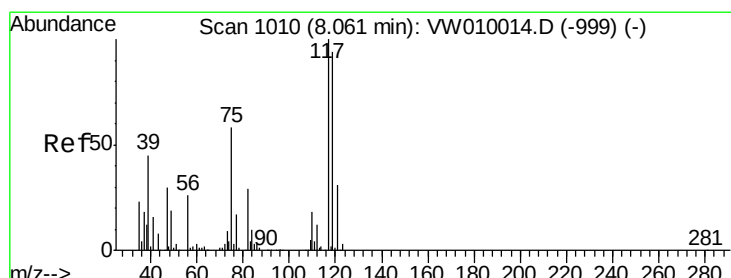
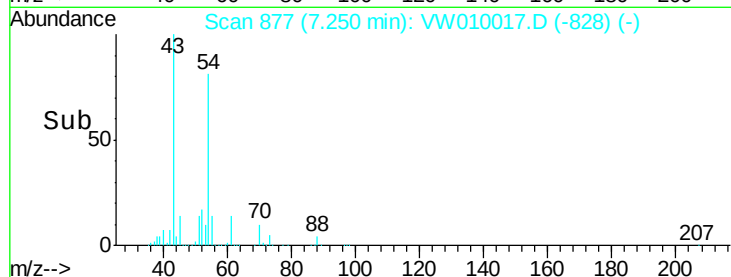
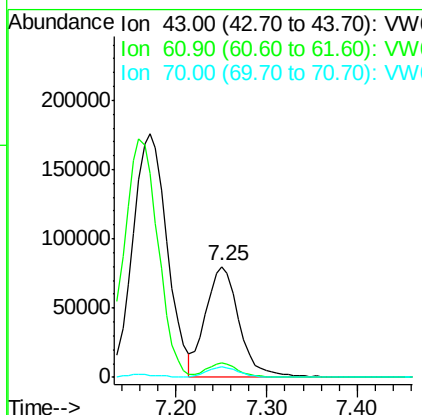
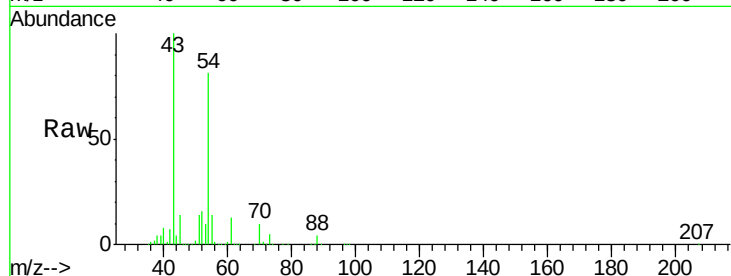
#37
Ethyl Acetate
Concen: 53.768 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Resp	Lower	Upper
43	100	205870		
61	11.9		9.8	14.8
70	9.0		7.4	11.0

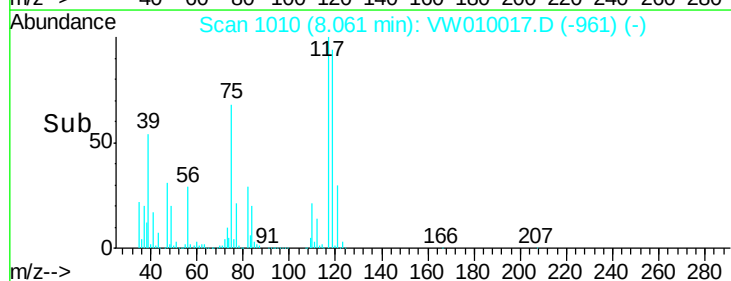
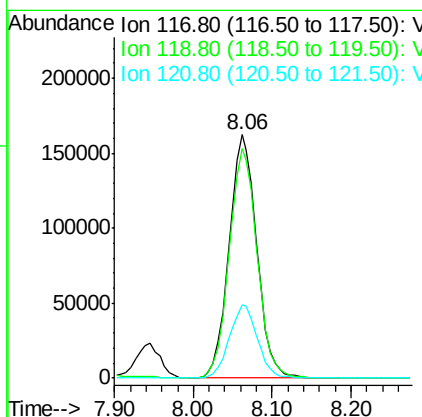
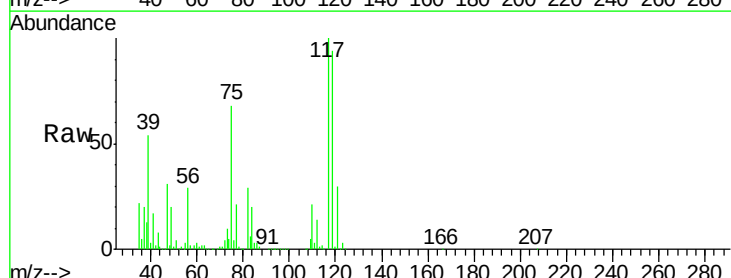
Manual Integrations
APPROVED

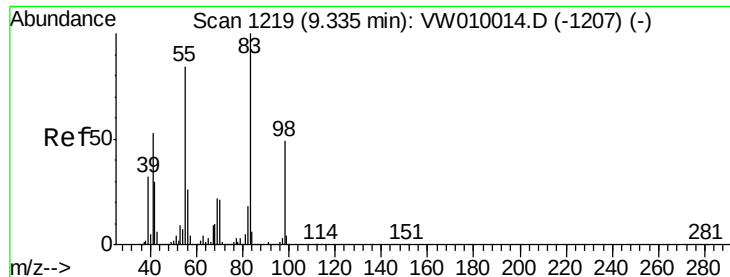
MMDadoda
4/18/2019 11:40:27 AM



#38
Carbon Tetrachloride
Concen: 53.738 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	395178		
119	94.5		75.3	112.9
121	30.3		24.4	36.6





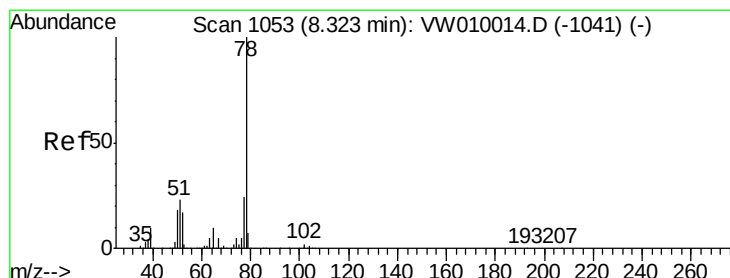
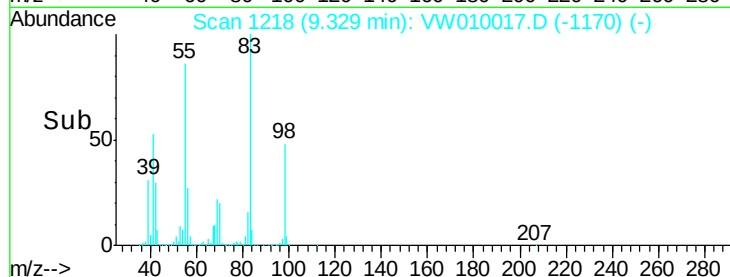
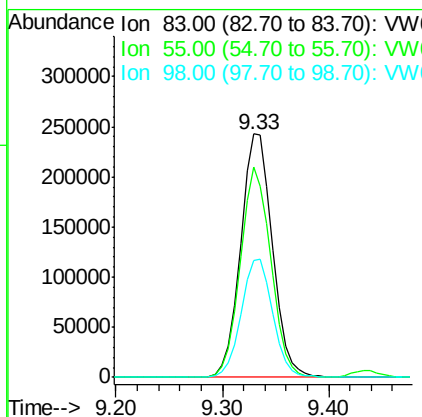
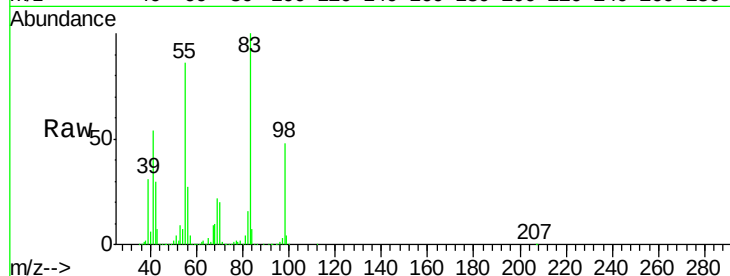
#39
Methylvlcyclohexane
Concen: 55.432 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	67.1	100.7
98	48.1	39.2	58.8

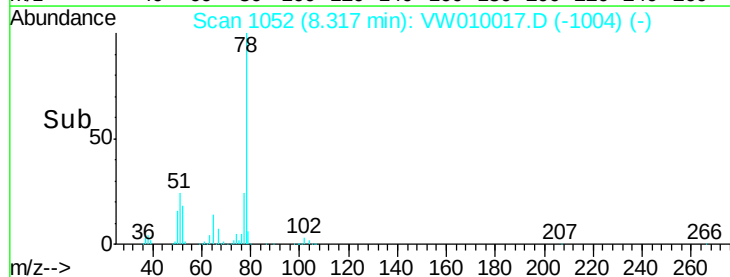
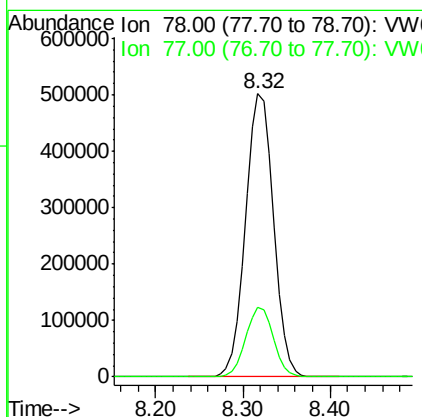
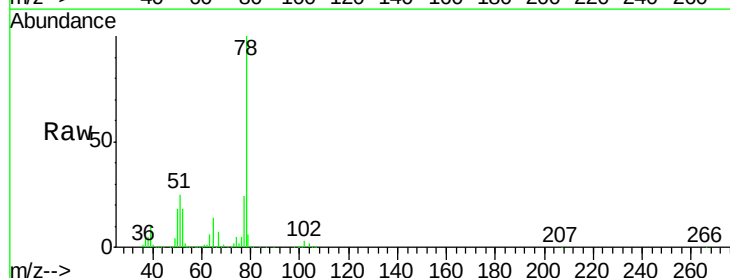
Manual Integrations
APPROVED

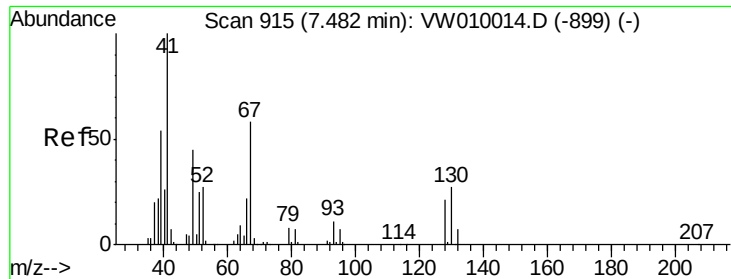
MMDadoda
4/18/2019 11:40:27 AM



#40
Benzene
Concen: 54.072 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





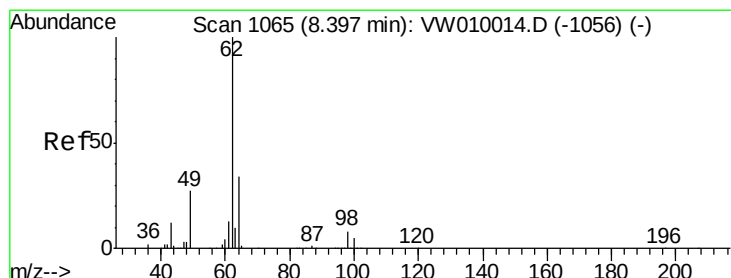
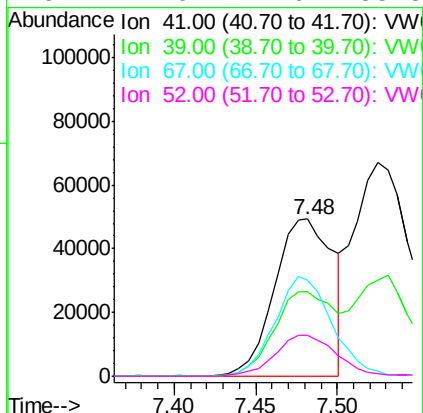
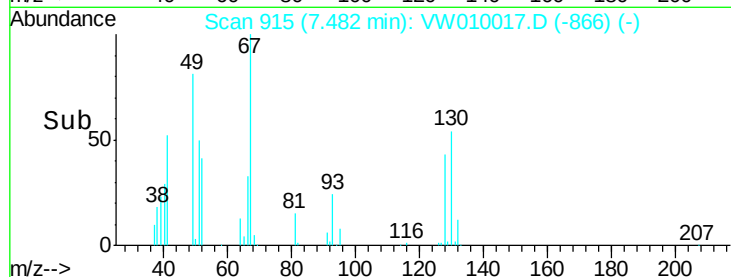
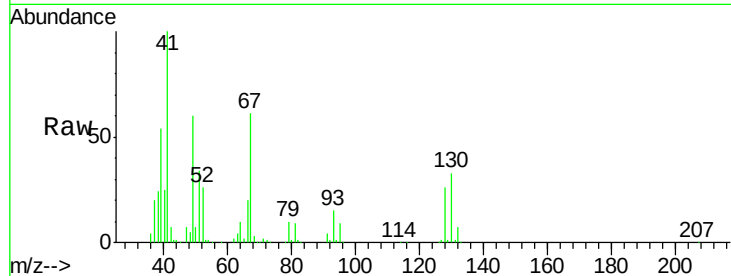
#41
Methacrylonitrile
Concen: 56.317 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		122893		
39	53.8	45.0	67.4		
67	62.1	50.7	76.1		
52	27.6	22.6	33.8		

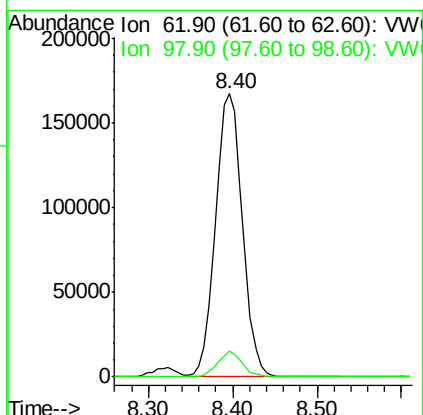
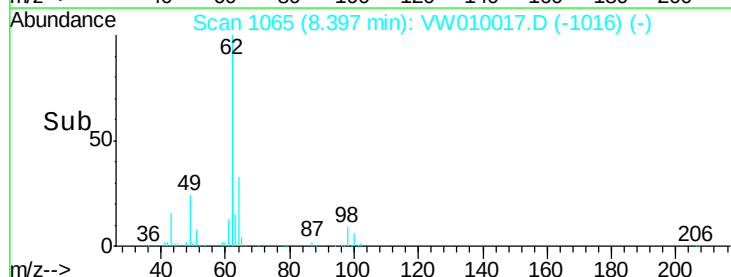
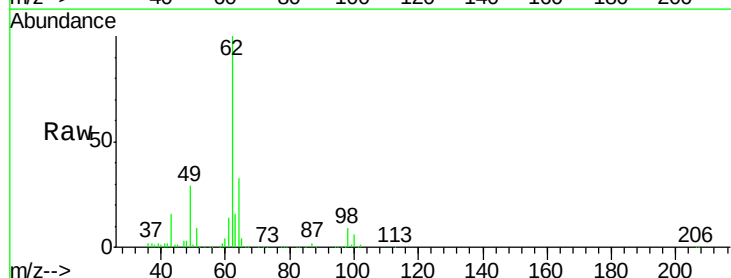
Manual Integrations
APPROVED

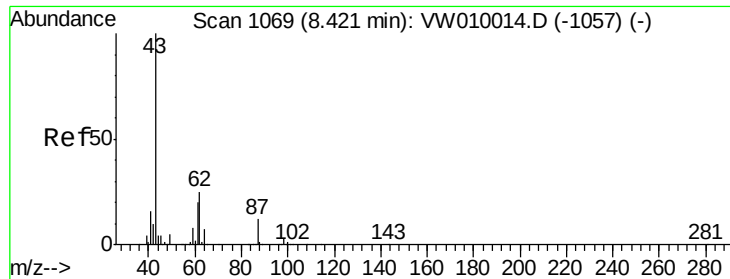
MMDadoda
4/18/2019 11:40:27 AM



#42
1,2-Dichloroethane
Concen: 51.906 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		367511		
98	8.3	0.0	16.6		





#43

Isopropyl Acetate

Concen: 53.670 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

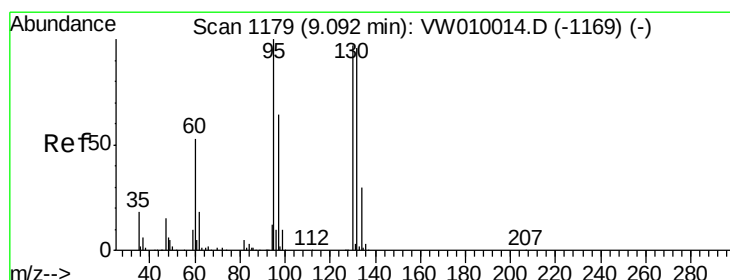
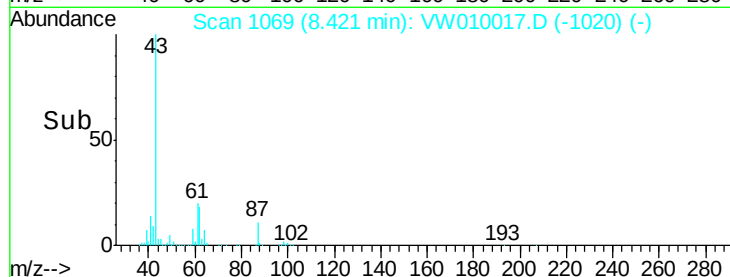
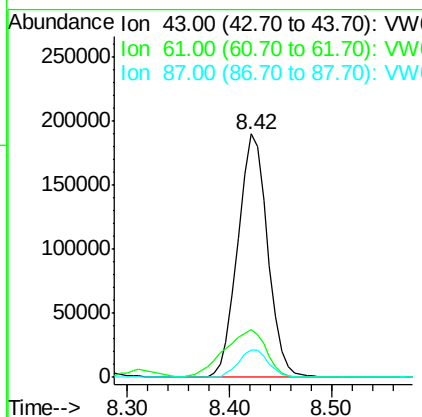
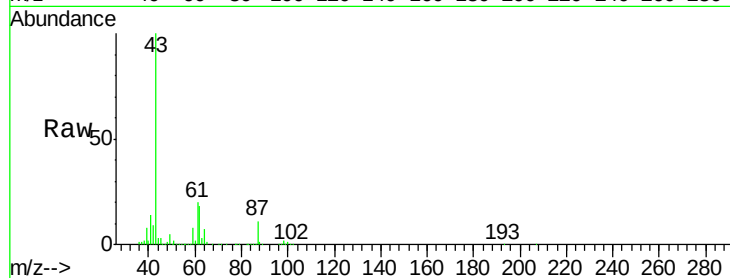
ClientSampleId :

ICVW041719

Tot Ion:	43	Resp:	385075
Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.0	34.6
87	11.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#44

Trichloroethene

Concen: 54.311 ug/l

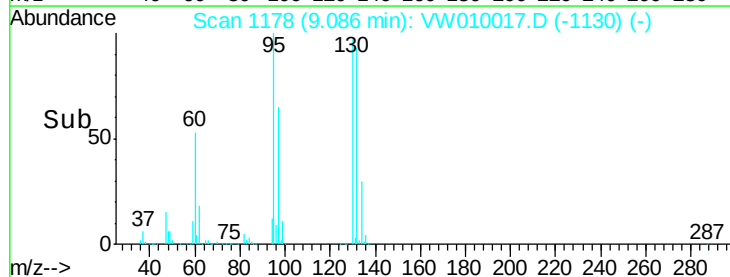
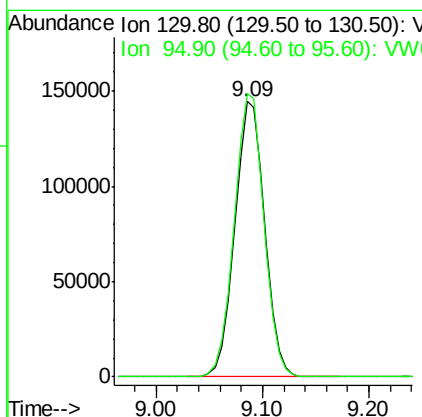
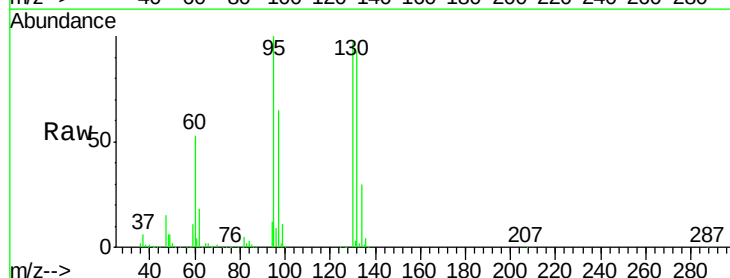
RT: 9.09 min Scan# 1178

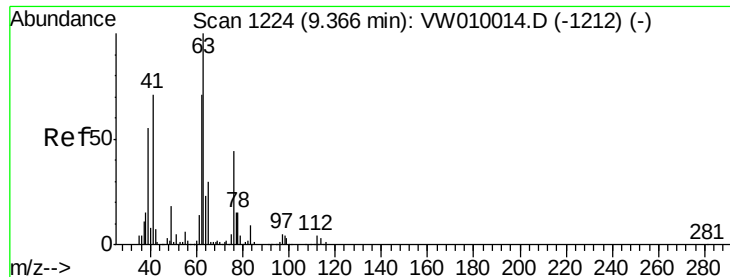
Delta R.T. -0.01 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	130	Resp:	284201
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	205.4





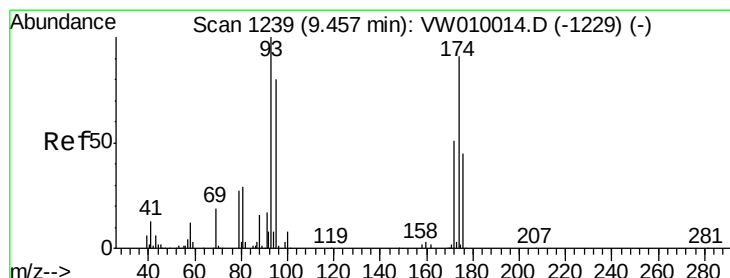
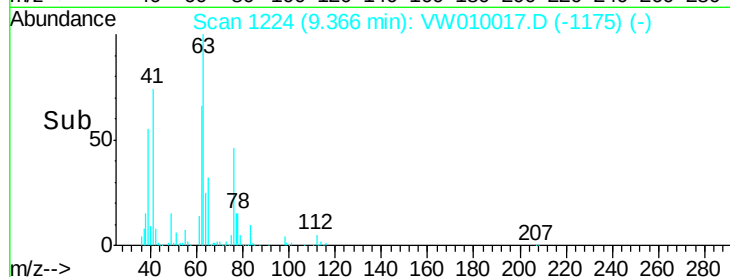
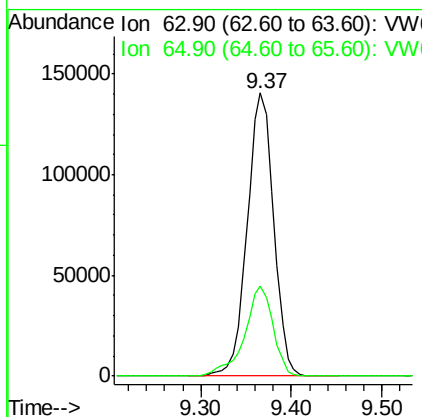
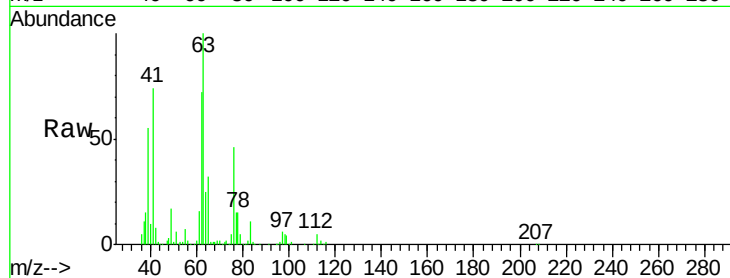
#45
 1,2-Dichloropropane
 Concen: 52.297 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.8	35.6

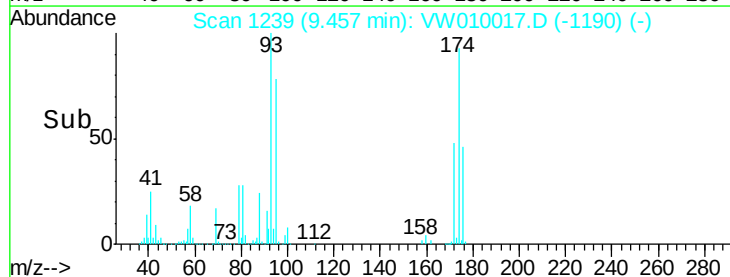
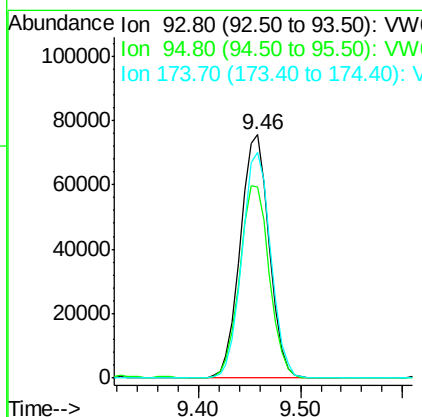
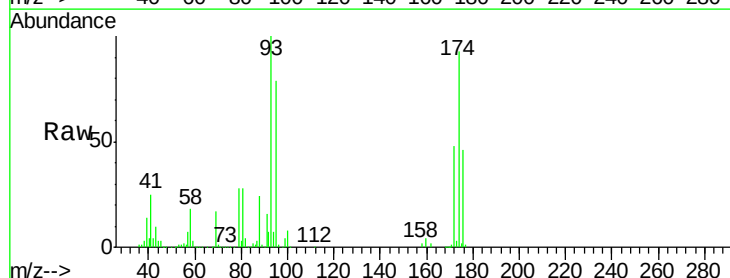
Manual Integrations
 APPROVED

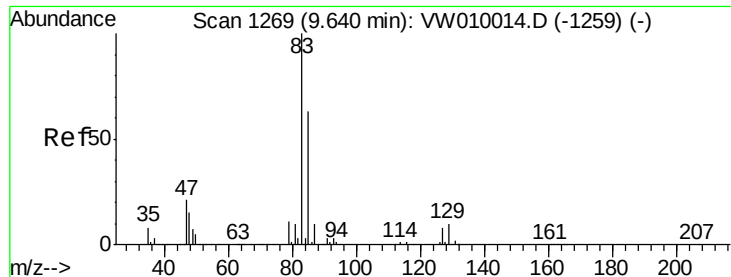
MMDadoda
 4/18/2019 11:40:27 AM



#46
 Dibromomethane
 Concen: 52.972 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	92.7	75.5	113.3





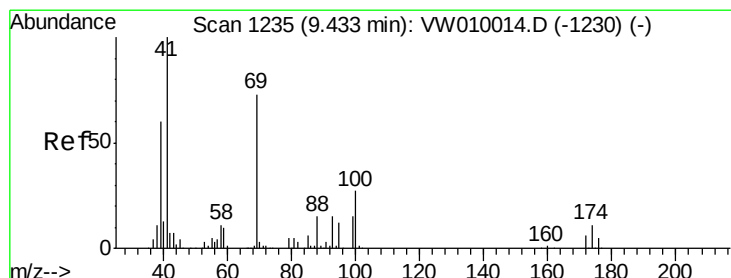
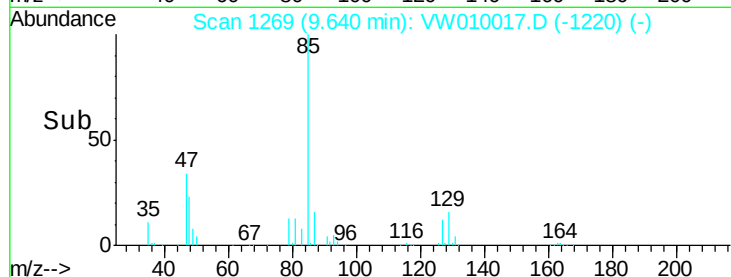
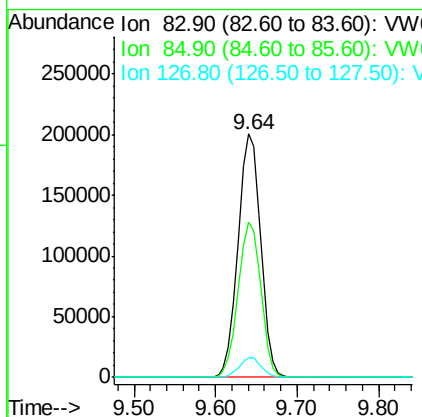
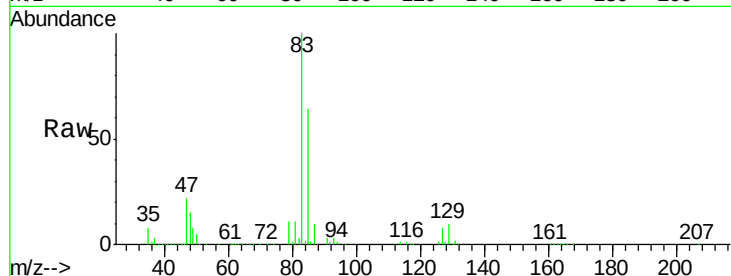
#47
Bromodichloromethane
Concen: 52.702 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	83	Resp	381849
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	7.9	6.6	10.0

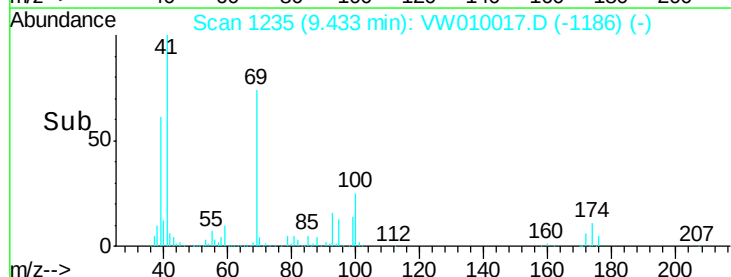
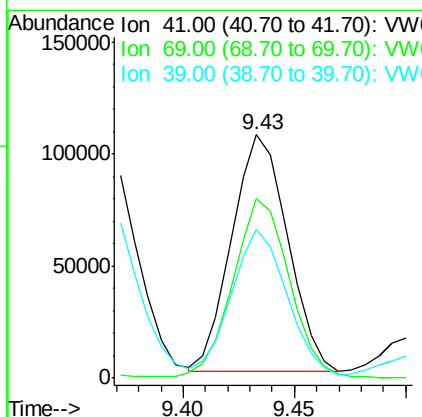
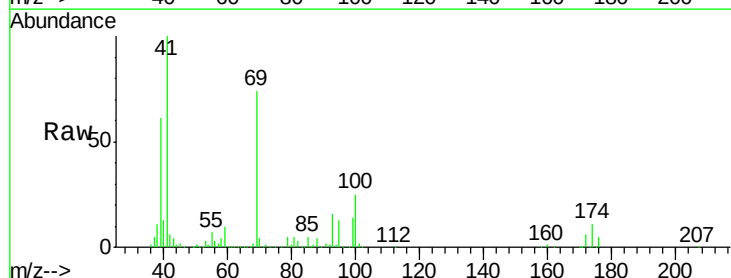
Manual Integrations
APPROVED

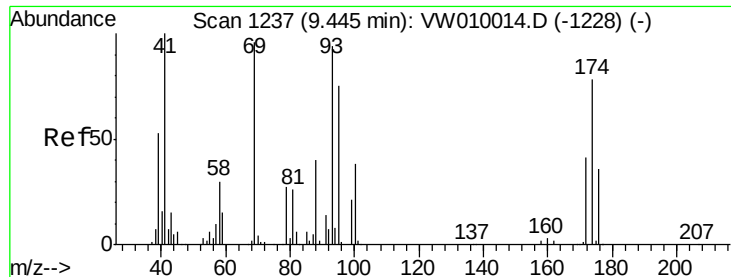
MMDadoda
4/18/2019 11:40:27 AM



#48
Methyl methacrylate
Concen: 52.883 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	41	Resp	184695
Ion Ratio	100	Lower	Upper
41	100		
69	76.8	60.1	90.1
39	60.6	51.0	76.6





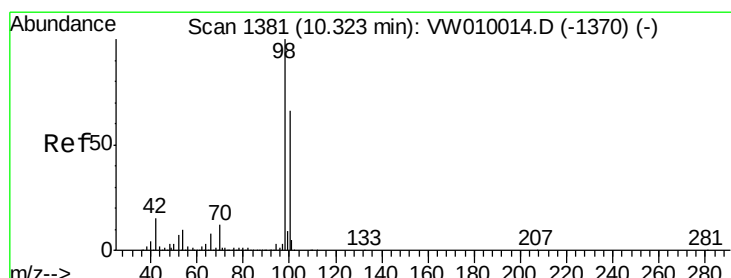
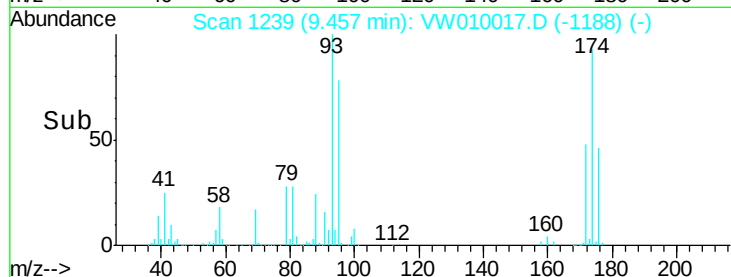
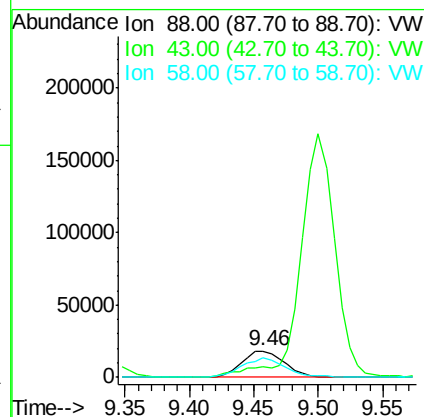
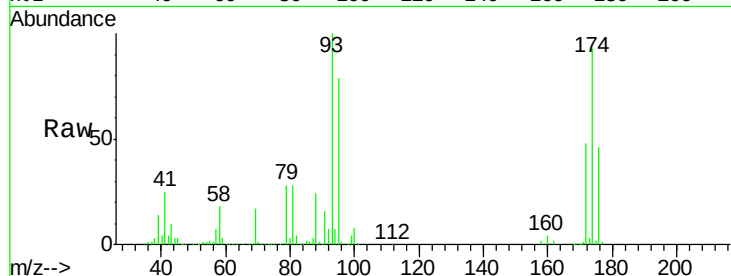
#49
1,4-Dioxane
Concen: 971.107 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	88	Resp	41648
Ion Ratio	Lower	Upper	
88	100		
43	0.0	31.9	47.9#
58	77.5	61.8	92.6

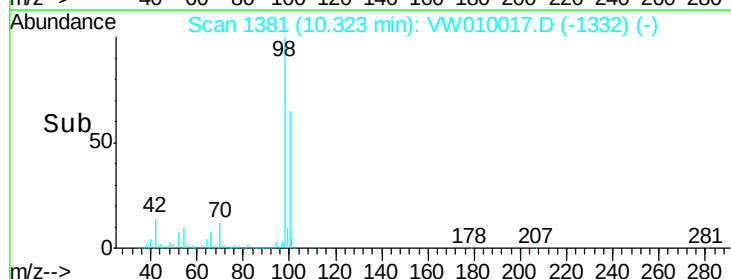
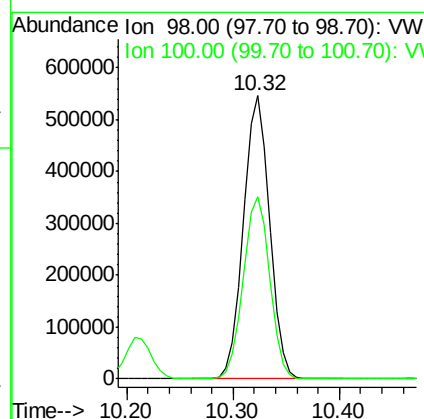
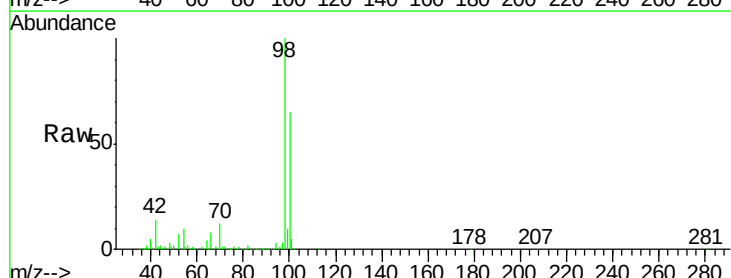
Manual Integrations
APPROVED

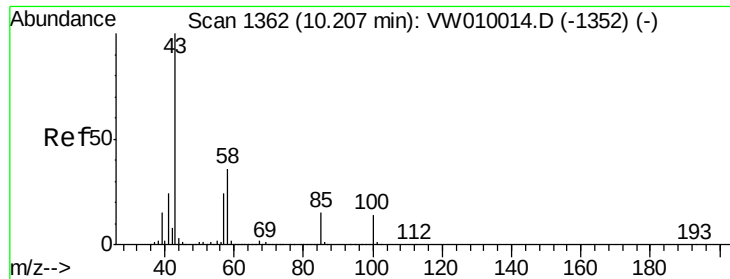
MMDadoda
4/18/2019 11:40:27 AM



#50
Toluene-d8
Concen: 53.810 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	98	Resp	945619
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 271.365 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 43 Resp: 1019755

Ion Ratio Lower Upper

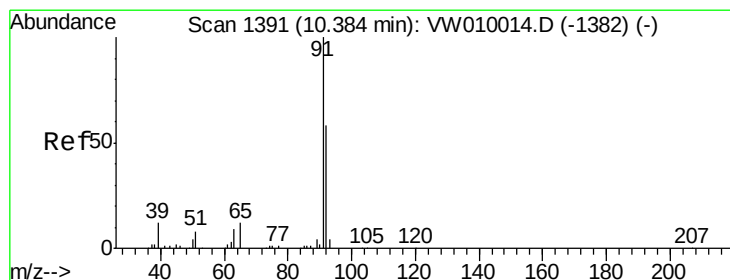
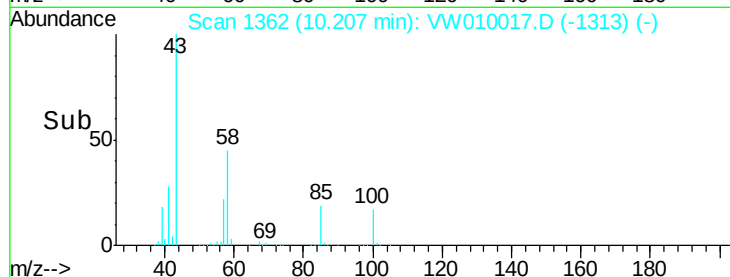
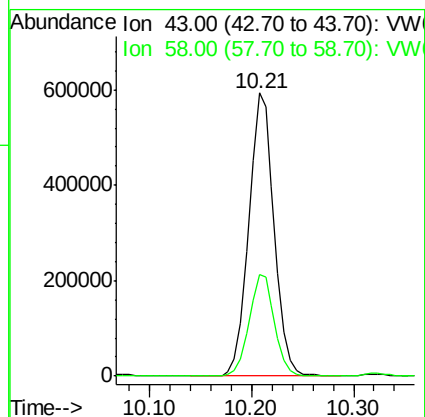
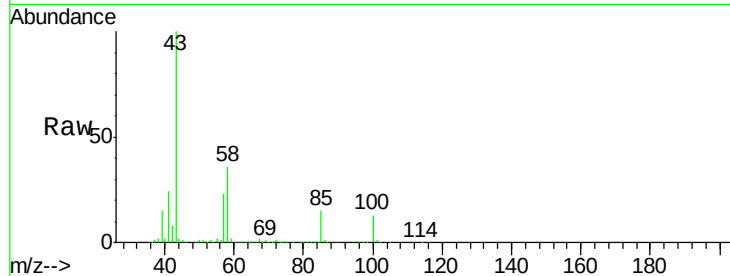
43 100

58 36.0 28.9 43.3

Manual Integrations
APPROVED

MMDadoda

4/18/2019 11:40:27 AM



#52

Toluene

Concen: 54.342 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010017.D

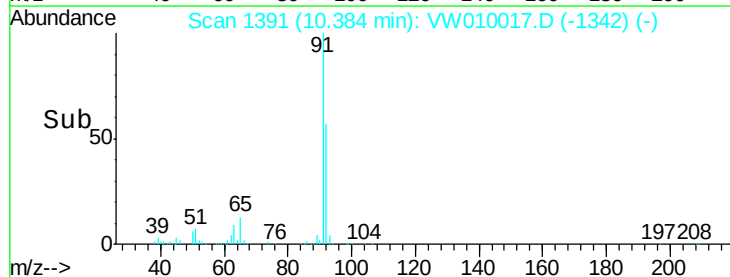
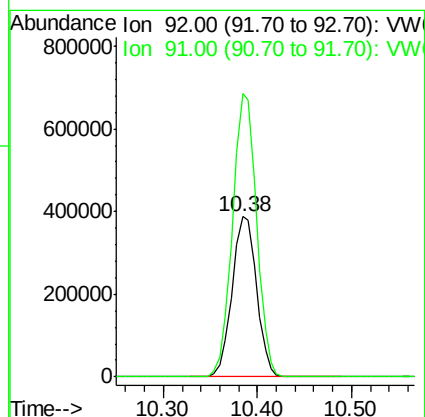
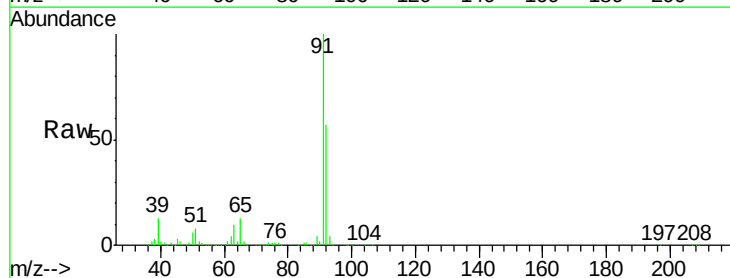
Acq: 17 Apr 2019 15:19

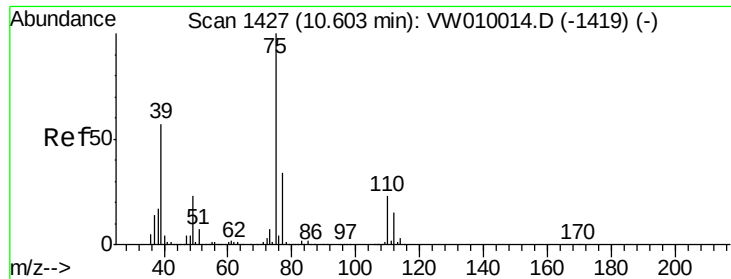
Tgt Ion: 92 Resp: 697405

Ion Ratio Lower Upper

92 100

91 173.5 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 55.413 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 75 Resp: 398057

Ion Ratio Lower Upper

75 100

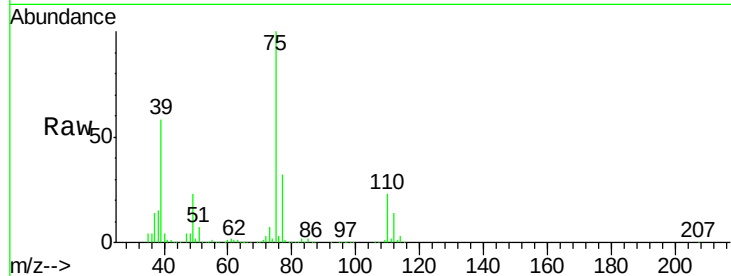
77 32.0 26.9 40.3

Manual Integrations

APPROVED

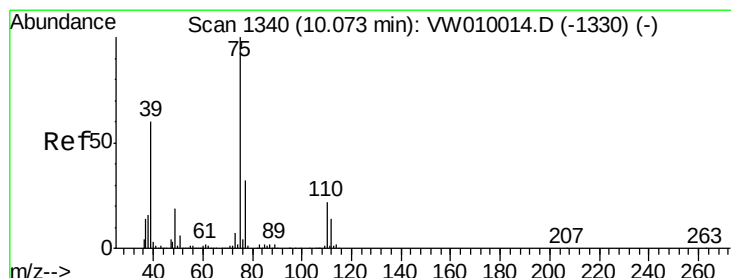
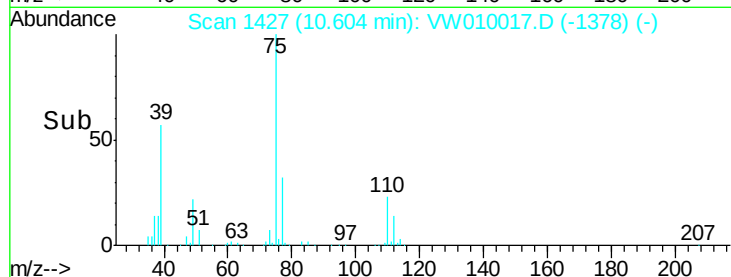
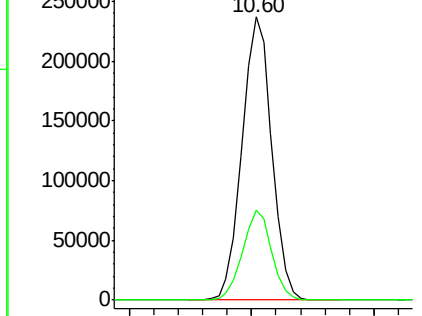
MMDadoda

4/18/2019 11:40:27 AM



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 55.819 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

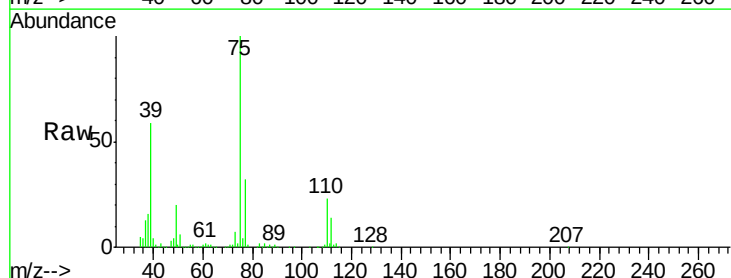
Tgt Ion: 75 Resp: 457858

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

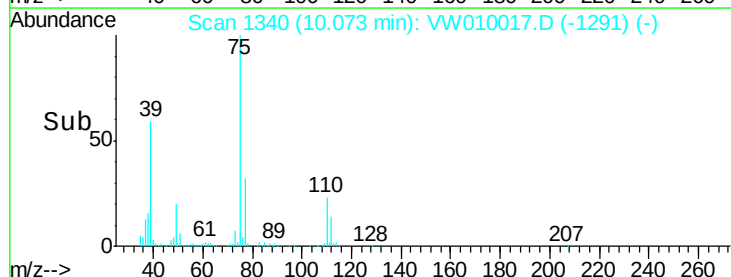
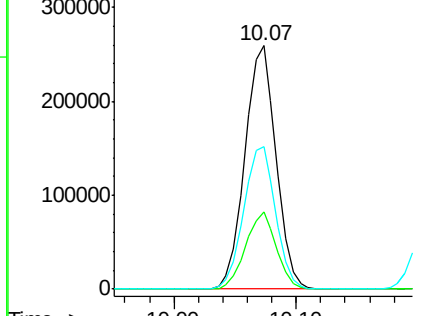
39 58.7 47.8 71.6

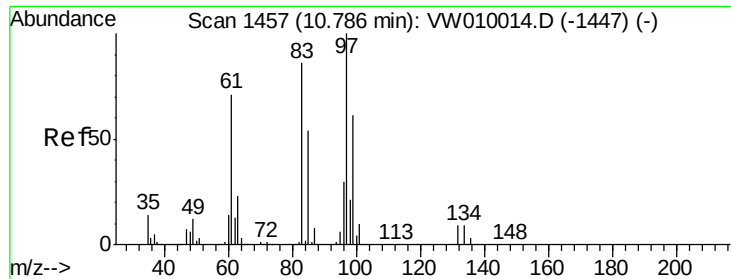


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





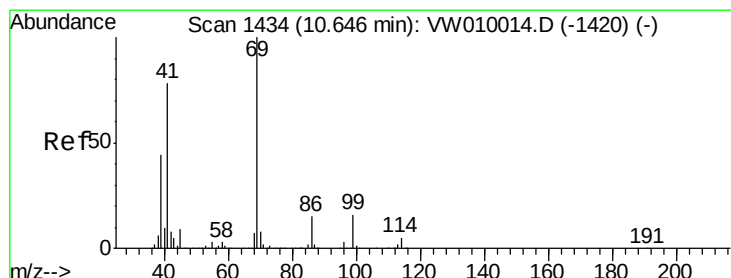
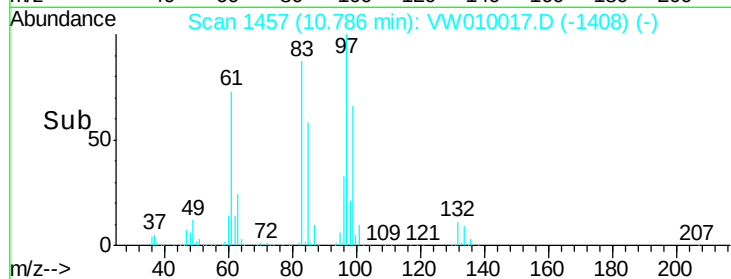
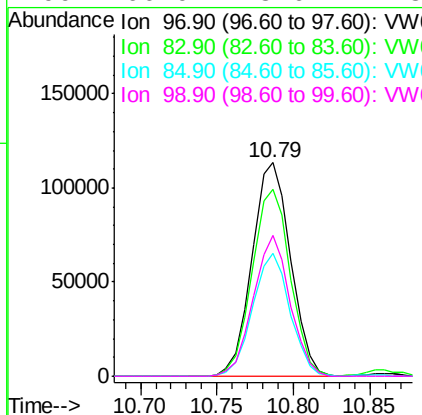
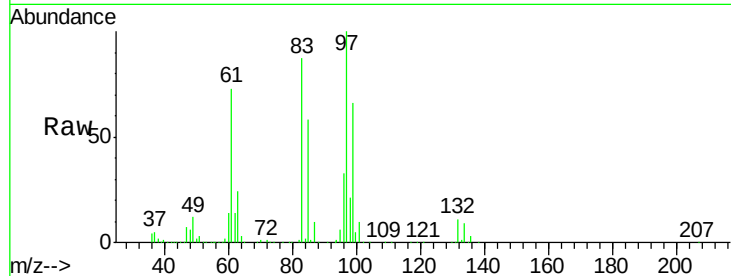
#55
 1,1,2-Trichloroethane
 Concen: 50.907 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion:	97	Resp:	199431
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.9	103.3
85	57.8	42.9	64.3
99	66.0	48.6	72.8

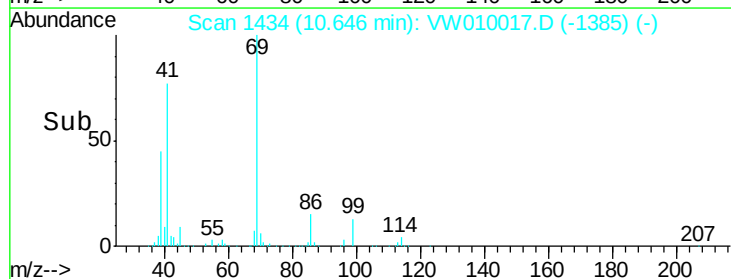
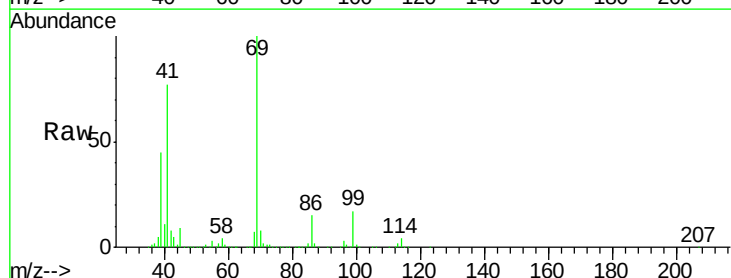
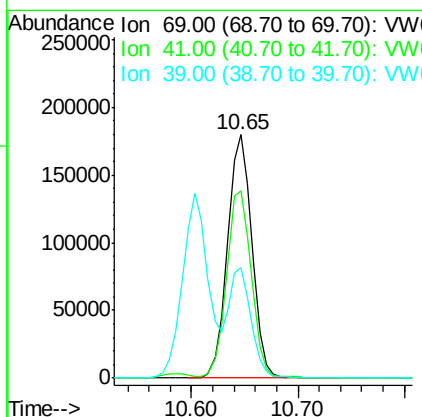
Manual Integrations
 APPROVED

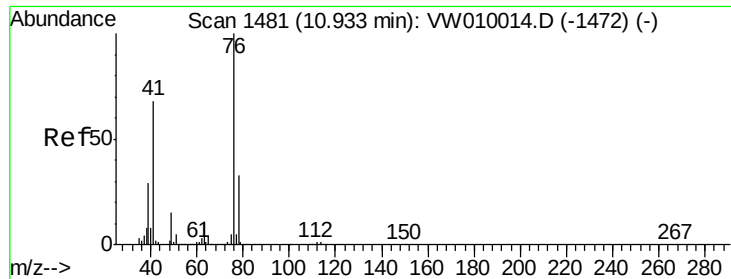
MMDadoda
 4/18/2019 11:40:27 AM



#56
 Ethyl methacrylate
 Concen: 53.010 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion:	69	Resp:	289289
Ion	Ratio	Lower	Upper
69	100		
41	77.8	61.0	91.6
39	40.9	33.8	50.6





#57

1,3-Dichloropropane

Concen: 52.345 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion: 76 Resp: 367546

Ion Ratio Lower Upper

76 100

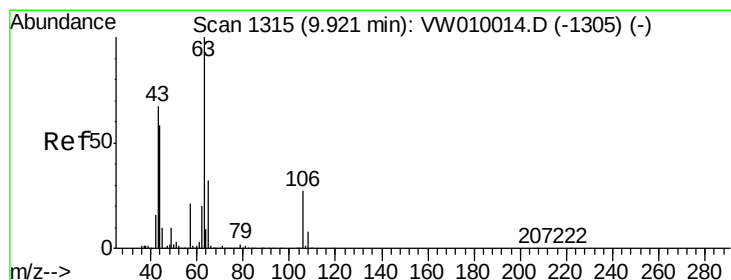
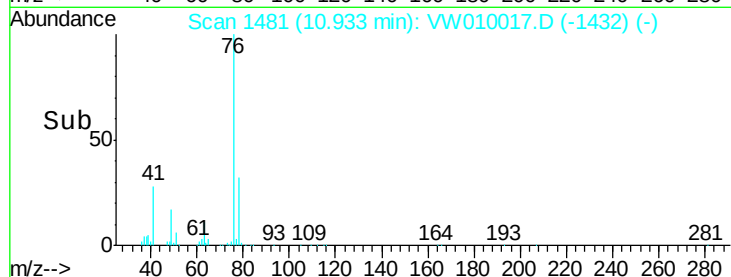
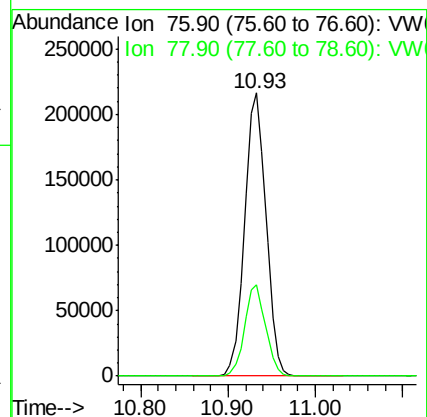
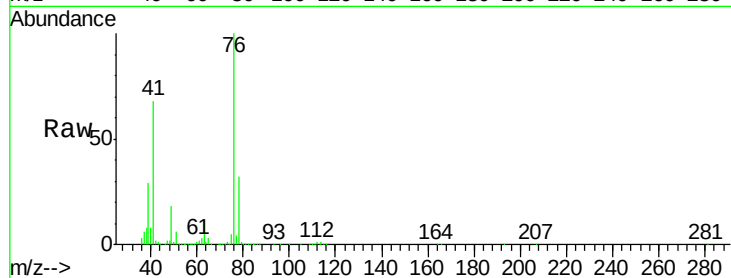
78 31.7 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 261.693 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010017.D

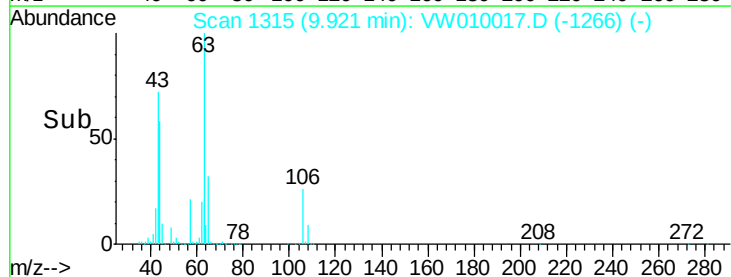
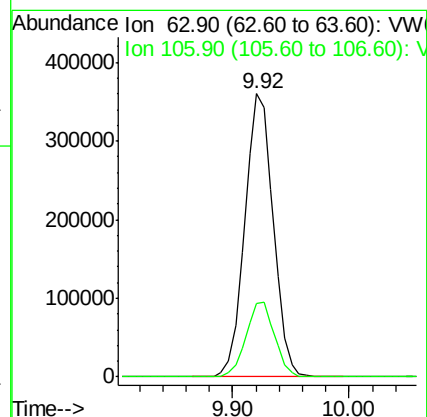
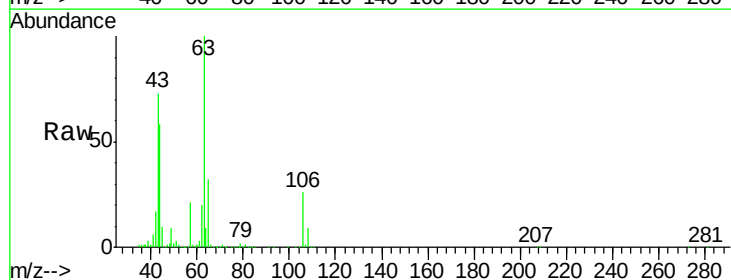
Acq: 17 Apr 2019 15:19

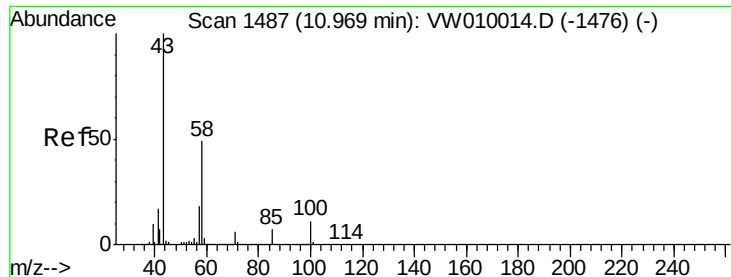
Tgt Ion: 63 Resp: 612591

Ion Ratio Lower Upper

63 100

106 26.5 21.4 32.0





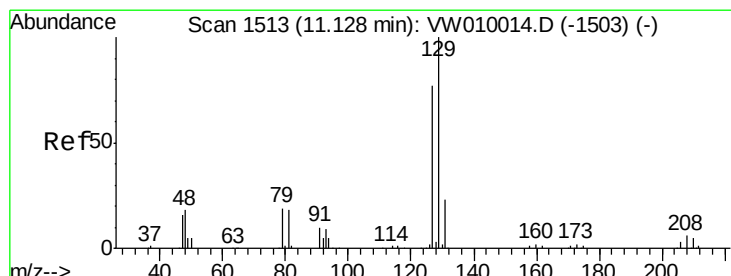
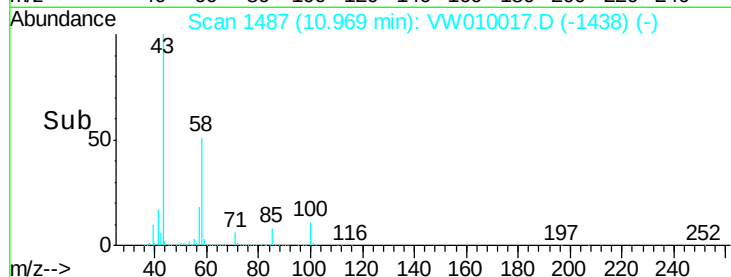
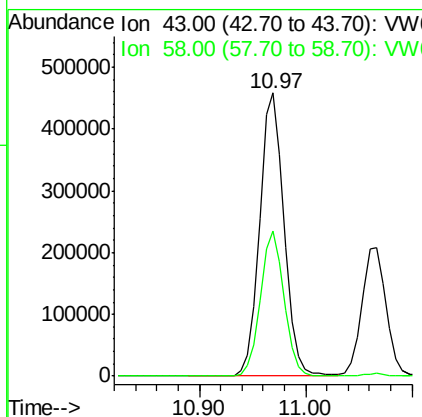
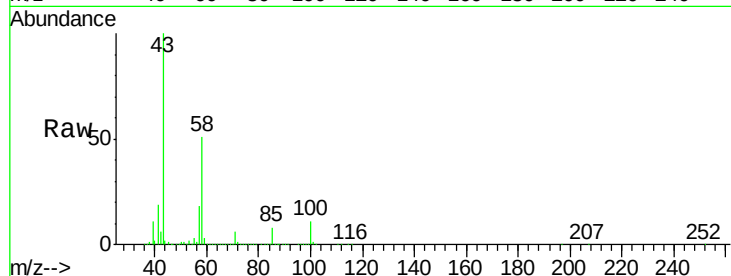
#59
2-Hexanone
Concen: 281.243 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.7

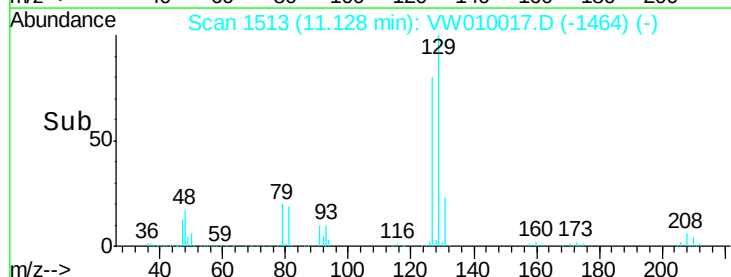
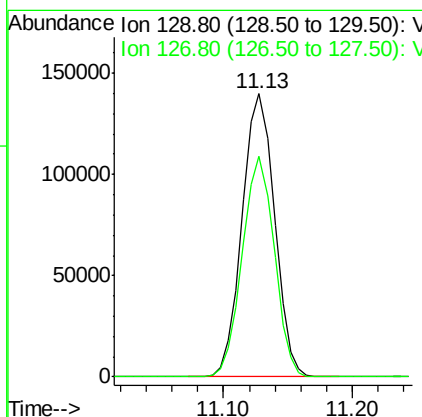
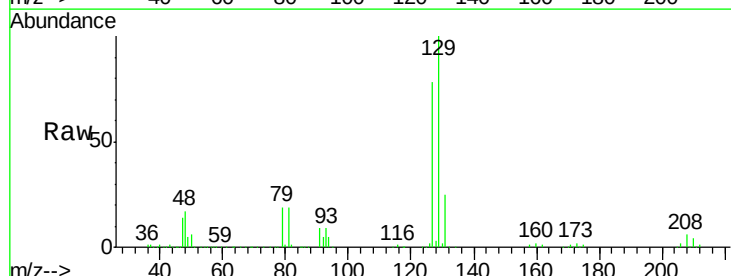
Manual Integrations
APPROVED

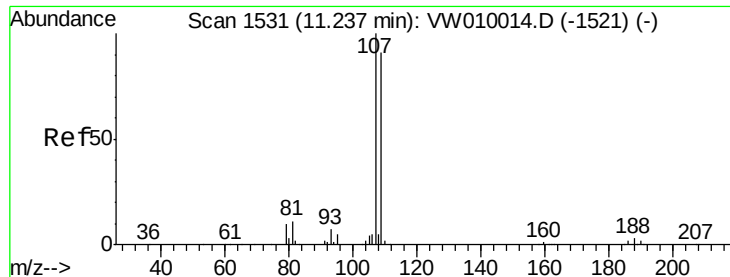
MMDadoda
4/18/2019 11:40:27 AM



#60
Dibromochloromethane
Concen: 53.899 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	116.0





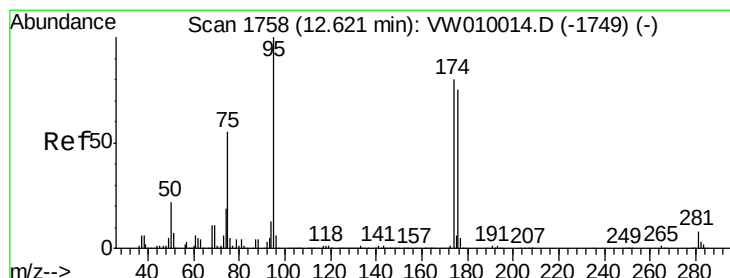
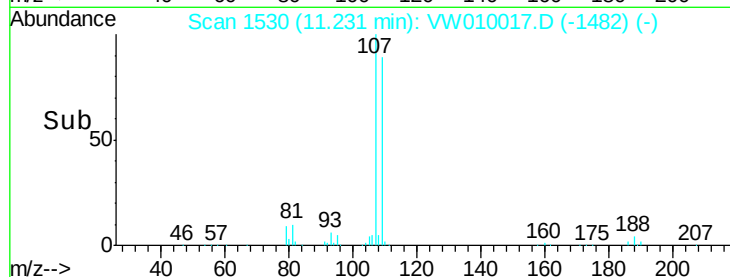
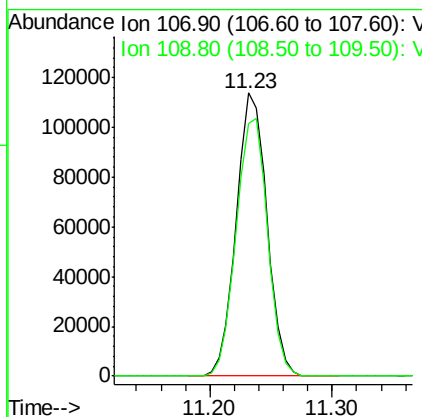
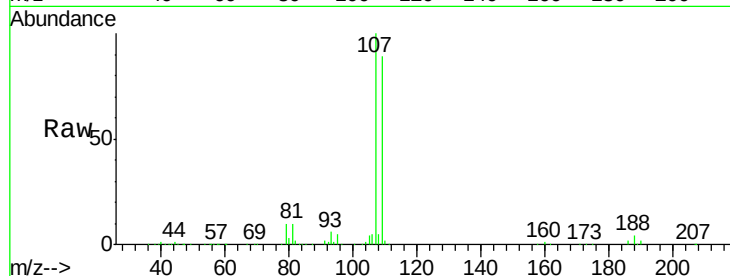
#61
 1,2-Dibromoethane
 Concen: 53.092 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.6	110.4

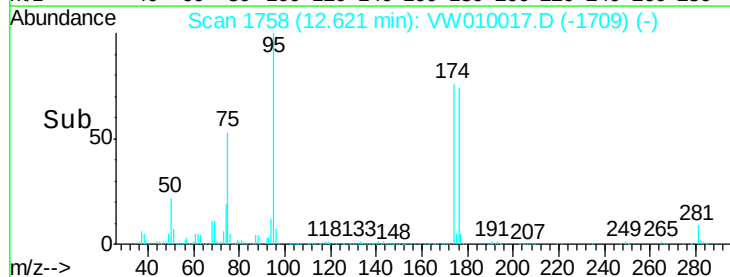
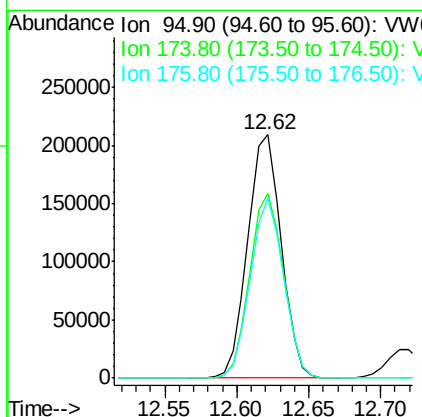
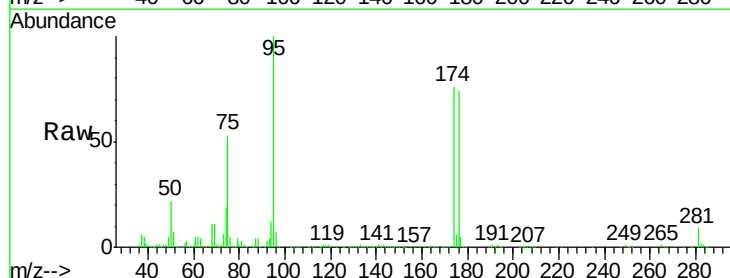
Manual Integrations
 APPROVED

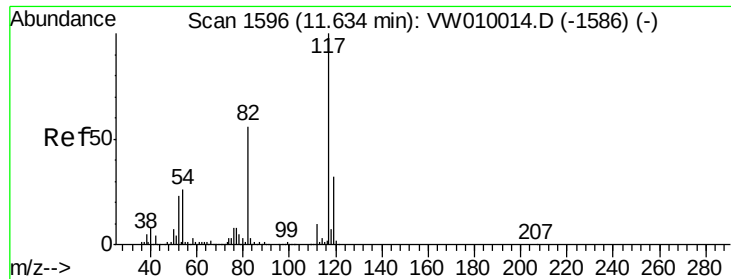
MMDadoda
 4/18/2019 11:40:27 AM



#62
 4-Bromofluorobenzene
 Concen: 52.809 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	151.4
176	73.0	0.0	146.2





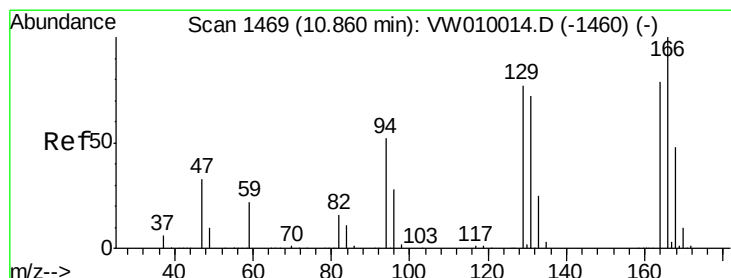
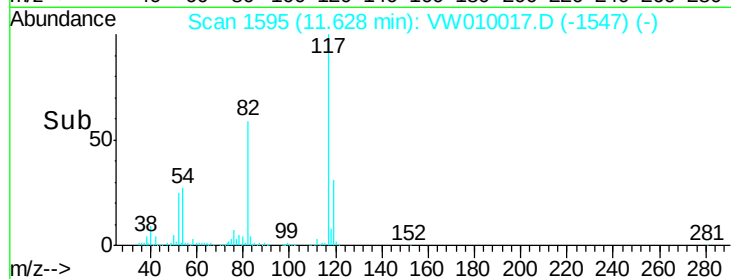
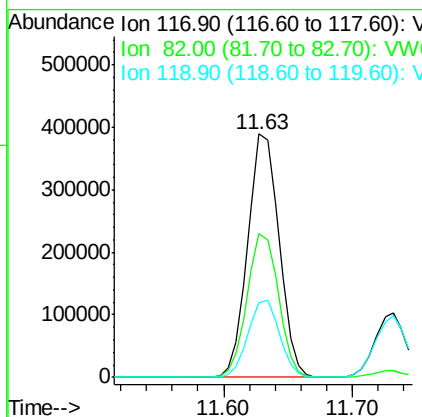
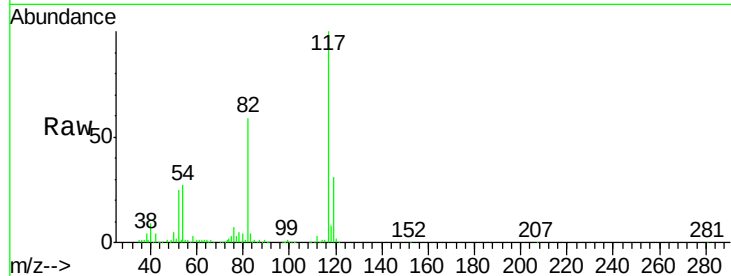
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Resp	Lower	Upper
117	100	655272		
82	58.9		45.2	67.8
119	30.9		25.4	38.2

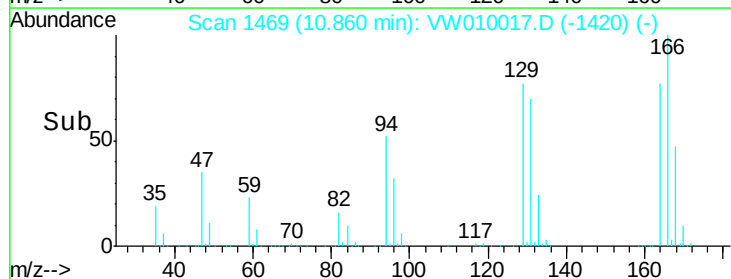
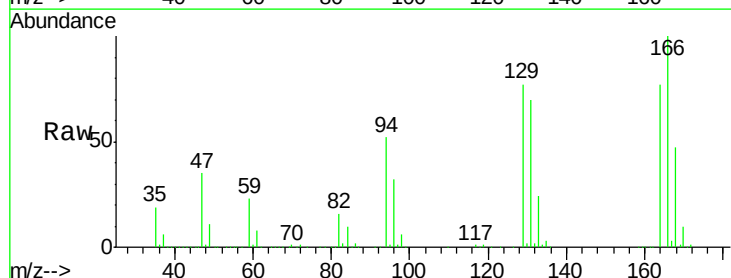
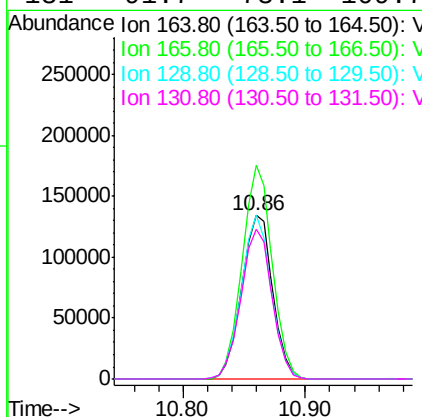
Manual Integrations
APPROVED

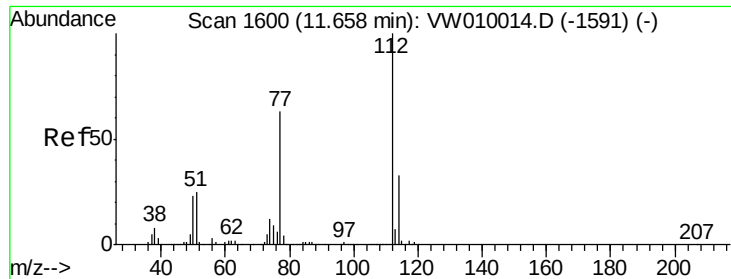
MMDadoda
4/18/2019 11:40:27 AM



#64
Tetrachloroethene
Concen: 55.593 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236480		
166	130.5		101.2	151.8
129	100.0		77.8	116.6
131	91.7		73.1	109.7





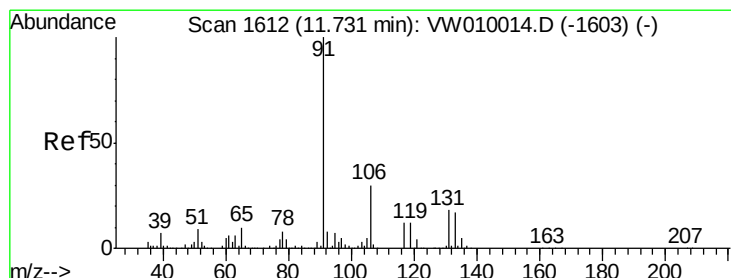
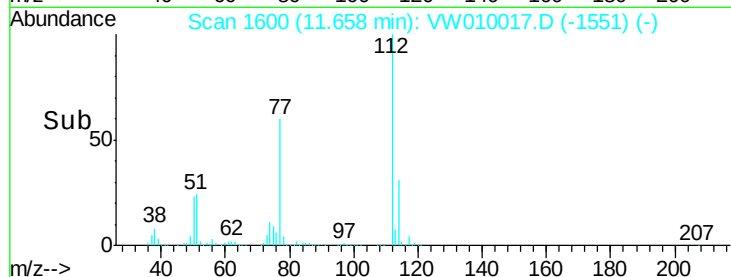
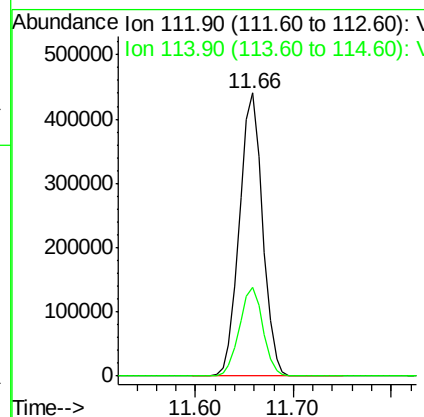
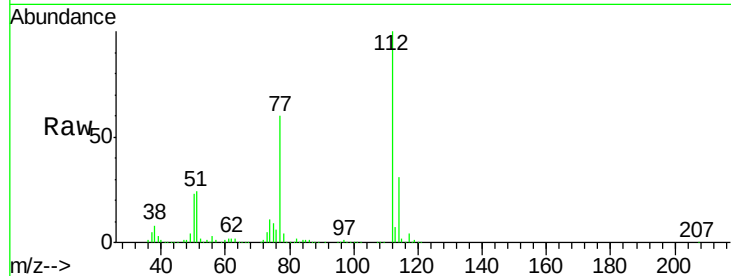
#65
Chlorobenzene
Concen: 54.013 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion:112 Resp: 724400
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7

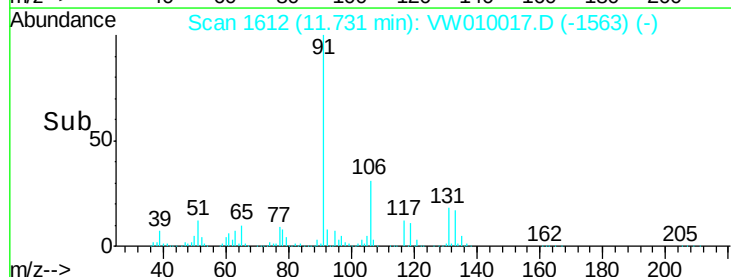
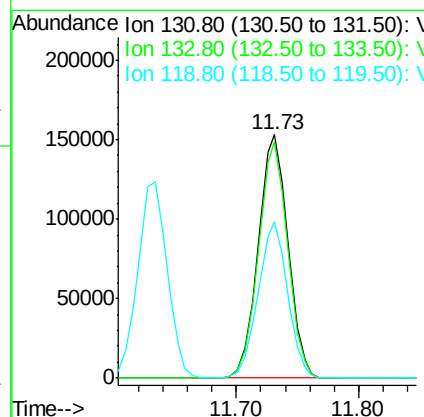
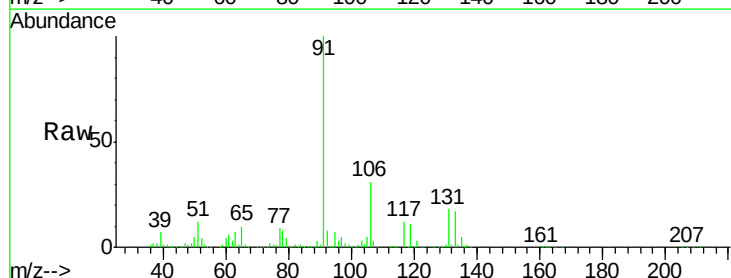
Manual Integrations
APPROVED

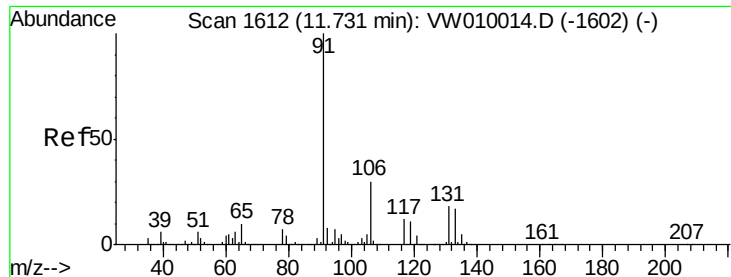
MMDadoda
4/18/2019 11:40:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.124 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion:131 Resp: 259585
Ion Ratio Lower Upper
131 100
133 95.4 46.5 139.5
119 63.8 31.9 95.5





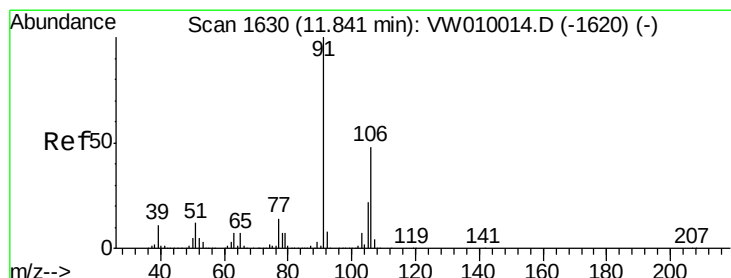
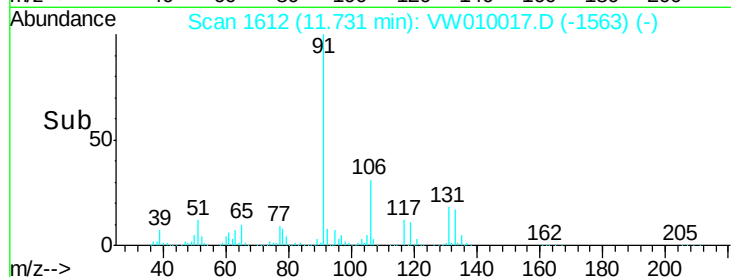
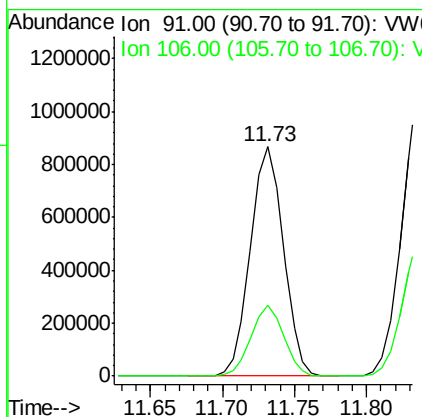
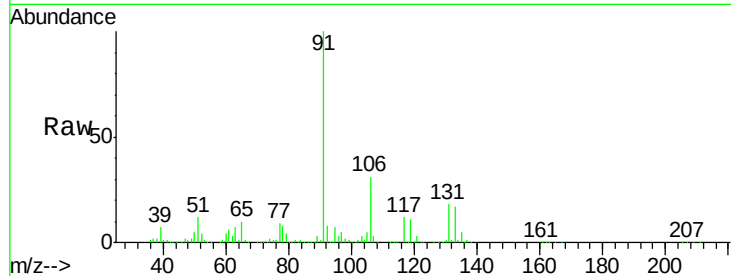
#67
Ethyl Benzene
Concen: 57.691 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion: 91 Resp: 1380463
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.8

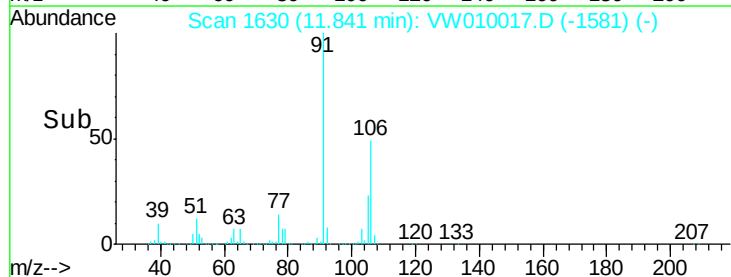
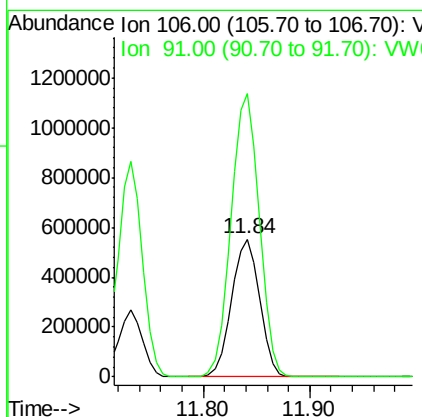
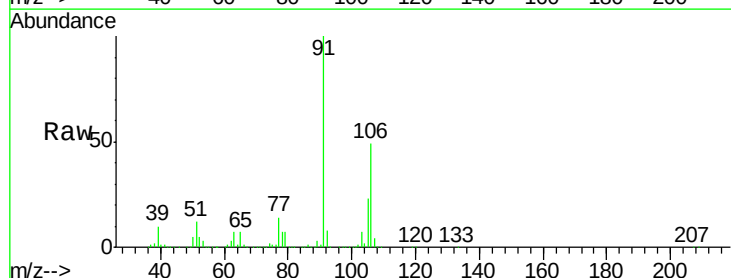
Manual Integrations
APPROVED

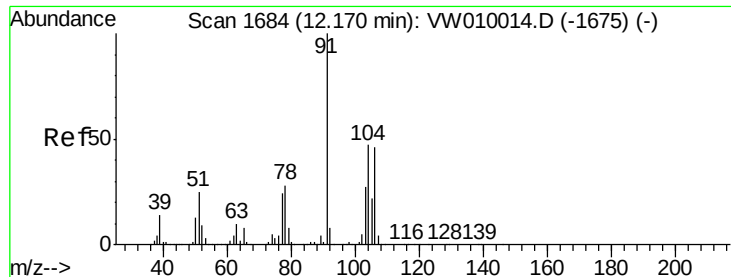
MMDadoda
4/18/2019 11:40:27 AM



#68
m/p-Xylenes
Concen: 114.547 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion: 106 Resp: 1024580
Ion Ratio Lower Upper
106 100
91 206.6 165.0 247.6





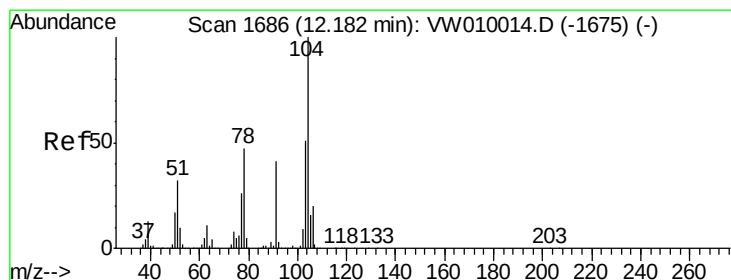
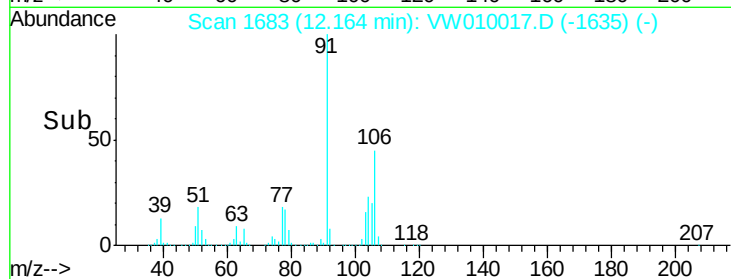
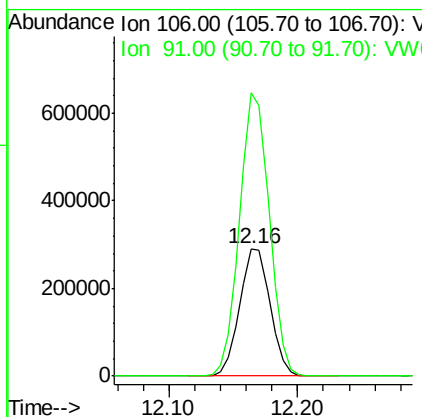
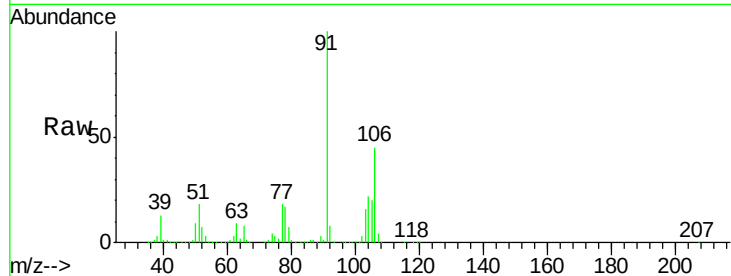
#69
o-Xylene
Concen: 58.344 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion:106 Resp: 475177
Ion Ratio Lower Upper
106 100
91 217.8 110.5 331.4

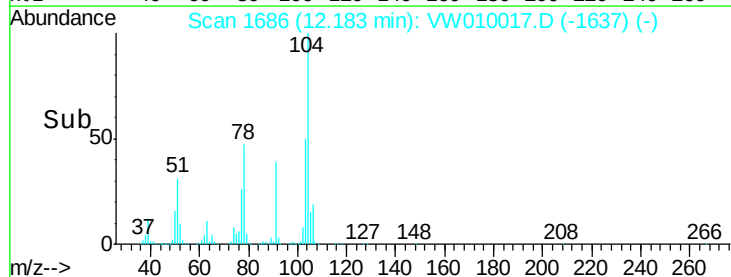
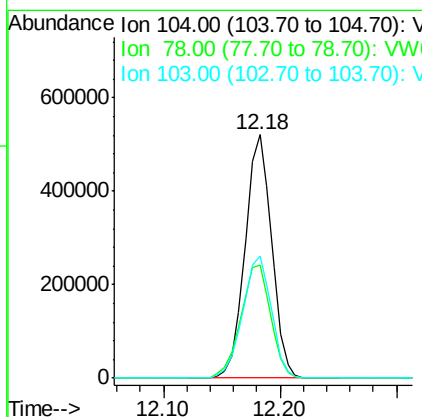
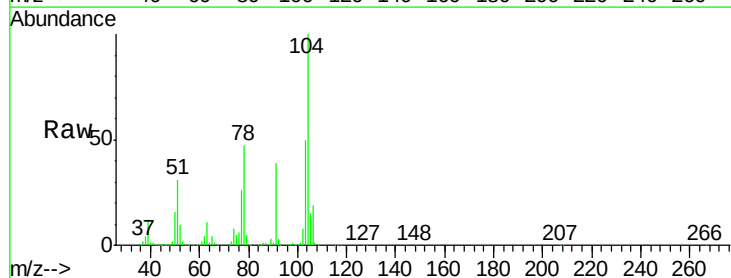
Manual Integrations
APPROVED

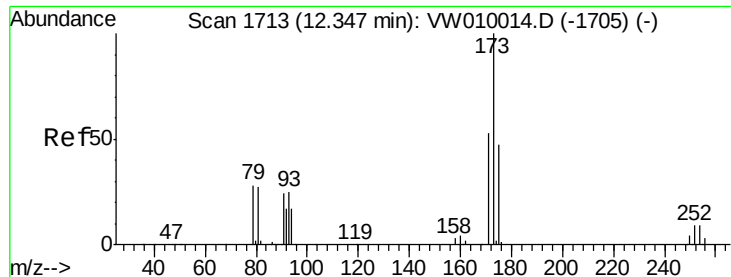
MMDadoda
4/18/2019 11:40:27 AM



#70
Styrene
Concen: 59.266 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion:104 Resp: 832246
Ion Ratio Lower Upper
104 100
78 52.5 42.5 63.7
103 54.3 43.6 65.4





#71

Bromoform

Concen: 54.468 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion:173 Resp: 138138

Ion Ratio Lower Upper

173 100

175 48.7 23.8 71.4

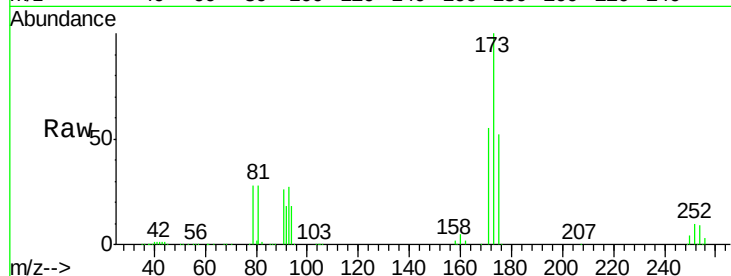
254 0.2 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

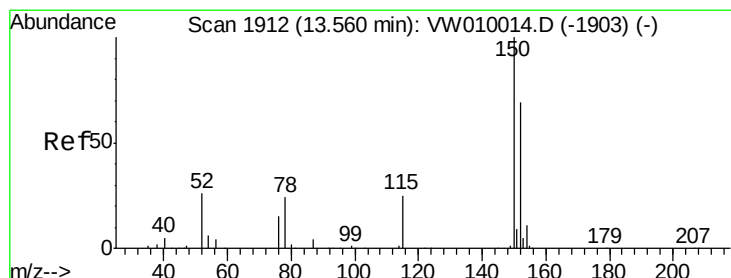
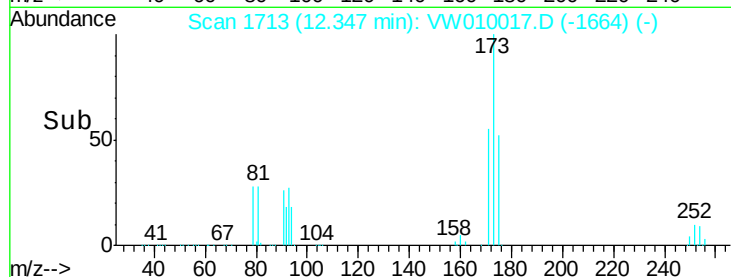
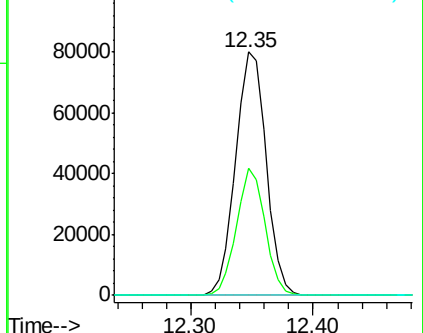
4/18/2019 11:40:27 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

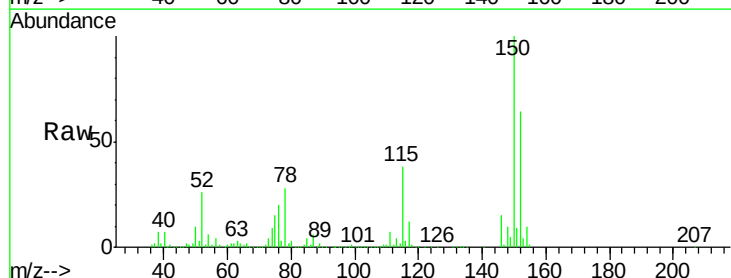
Tgt Ion:152 Resp: 332303

Ion Ratio Lower Upper

152 100

115 59.6 30.4 91.2

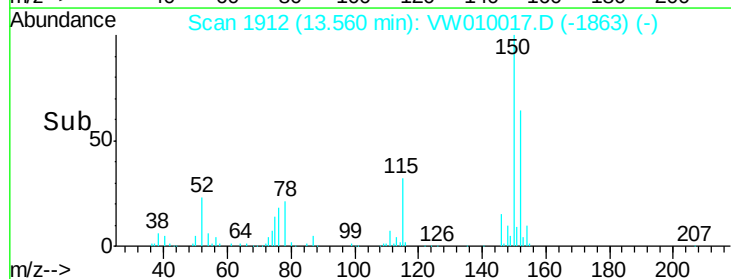
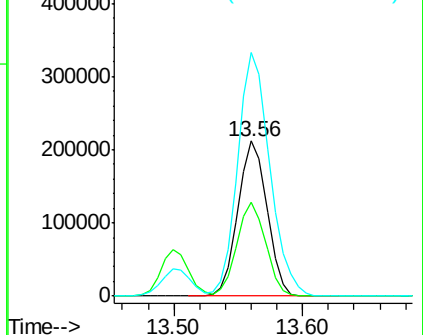
150 173.2 0.0 347.0

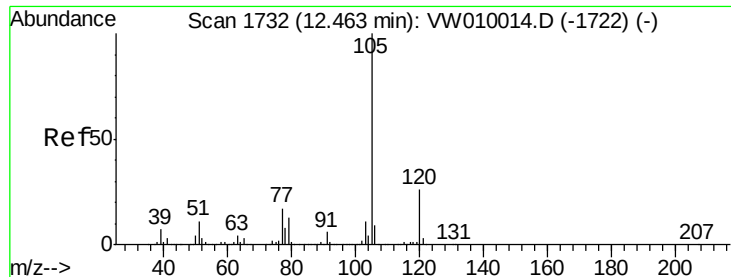


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.942 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion:105 Resp: 1340053

Ion Ratio Lower Upper

105 100

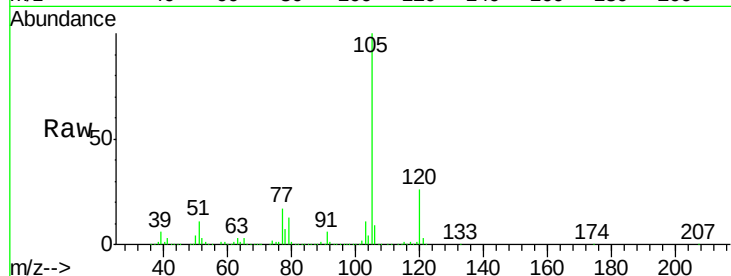
120 25.9 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

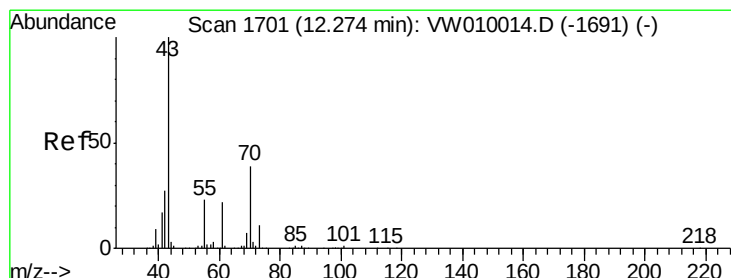
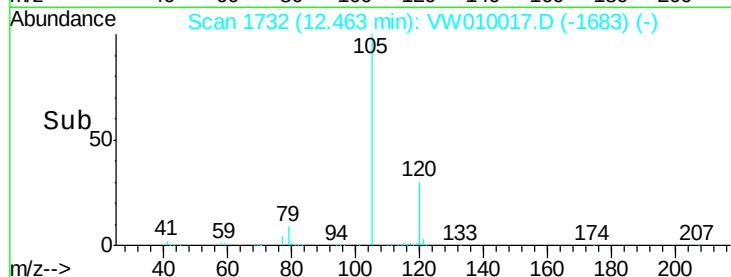
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 56.686 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion: 43 Resp: 363057

Ion Ratio Lower Upper

43 100

70 38.0 31.3 46.9

55 23.7 20.0 30.0

61 22.4 17.8 26.8

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

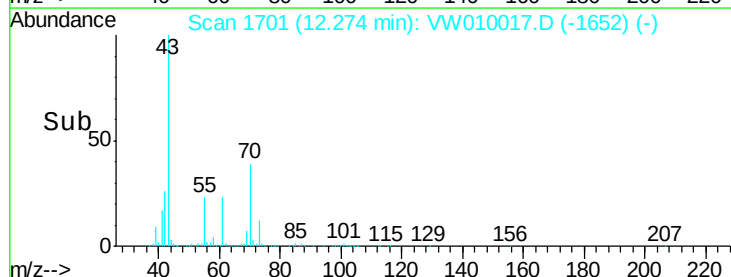
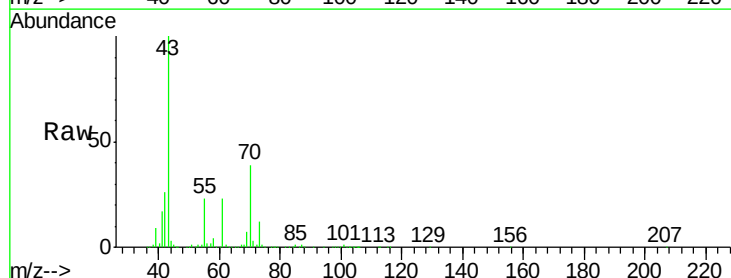
300000

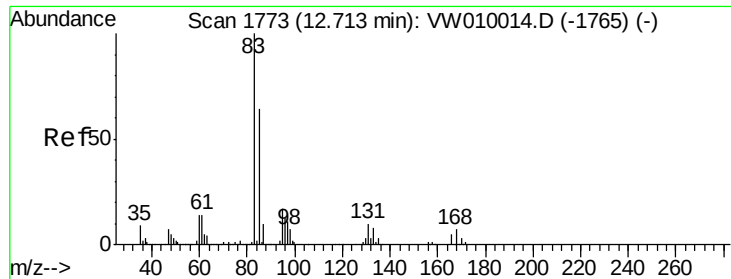
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.824 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

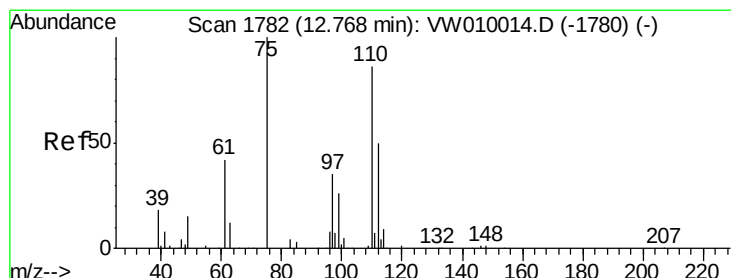
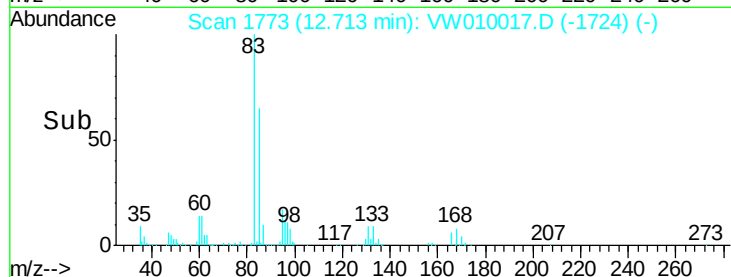
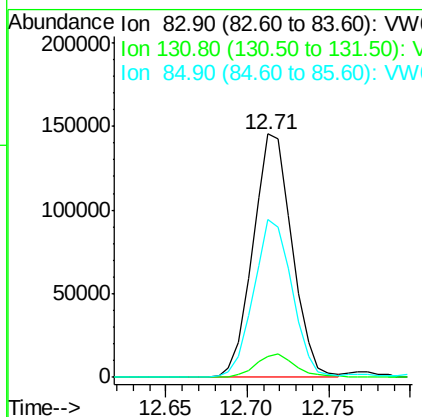
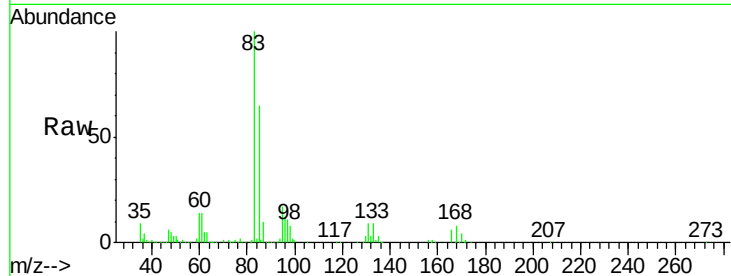
ClientSampleId :

ICVW041719

Tot Ion:	83	Resp:	241366
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	63.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#76

1,2,3-Trichloropropane

Concen: 52.473 ug/l m

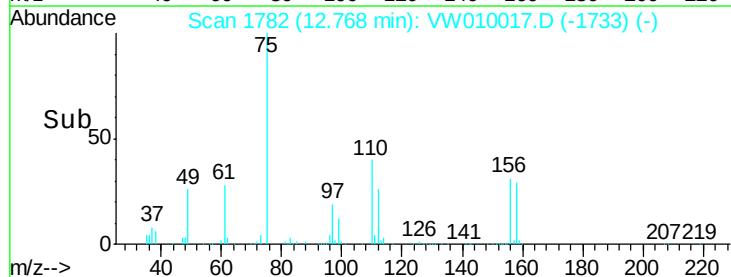
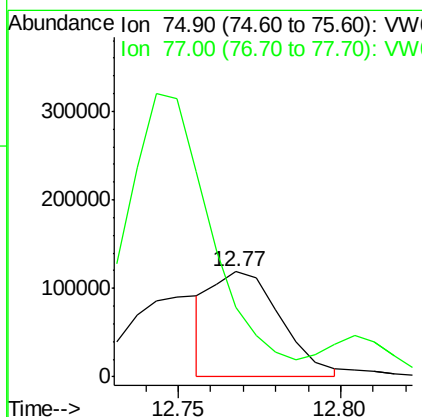
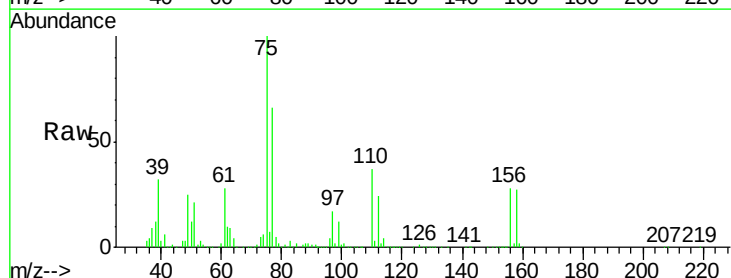
RT: 12.77 min Scan# 1782

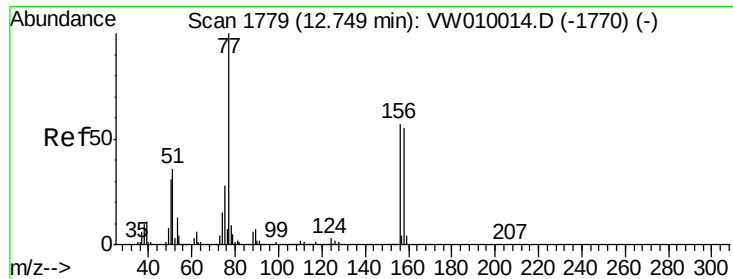
Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	75	Resp:	174518
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.469 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

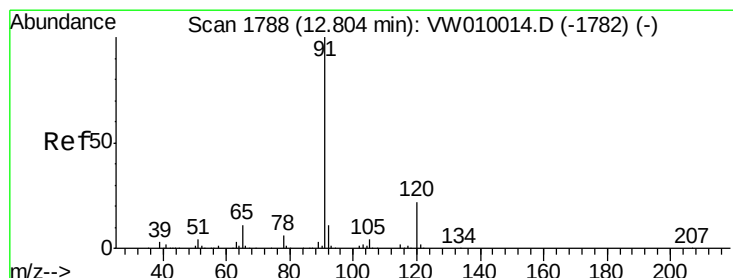
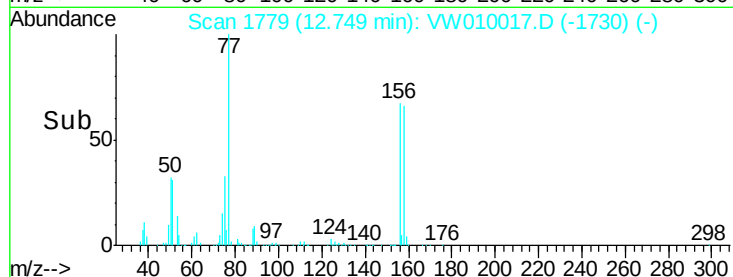
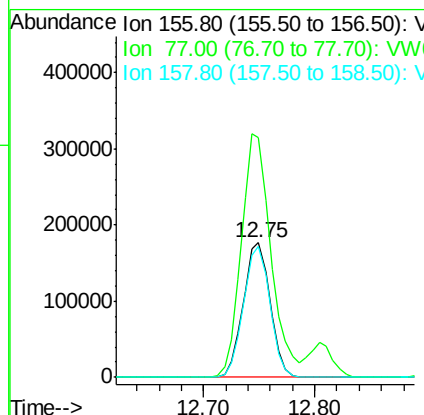
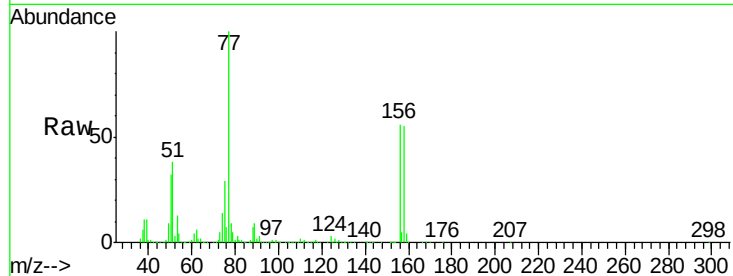
ClientSampleId :

ICVW041719

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.8	102.5	307.4
158	96.2	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#78

n-propylbenzene

Concen: 57.500 ug/l

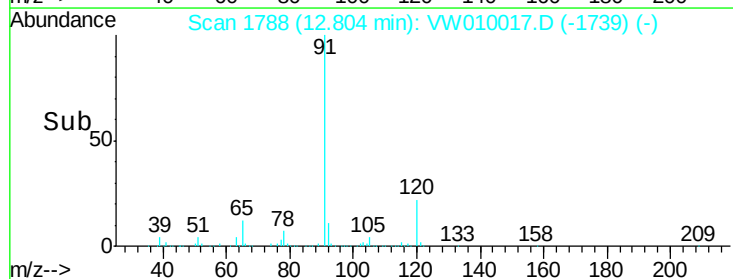
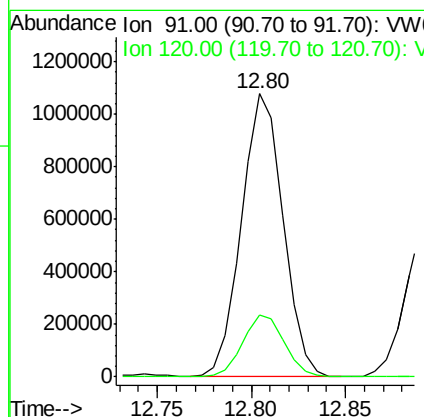
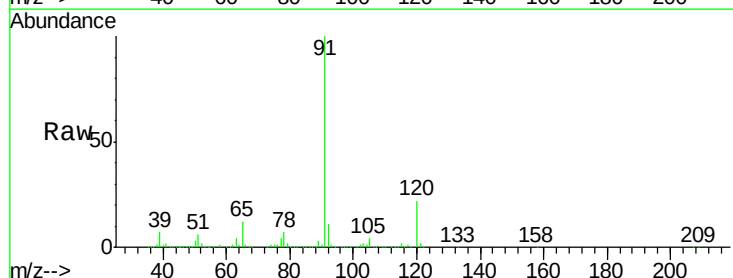
RT: 12.80 min Scan# 1788

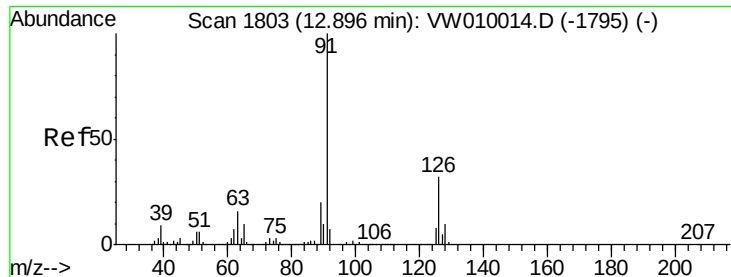
Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 55.542 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampled :

ICVW041719

Tot Ion: 91 Resp: 915628

Ion Ratio Lower Upper

91 100

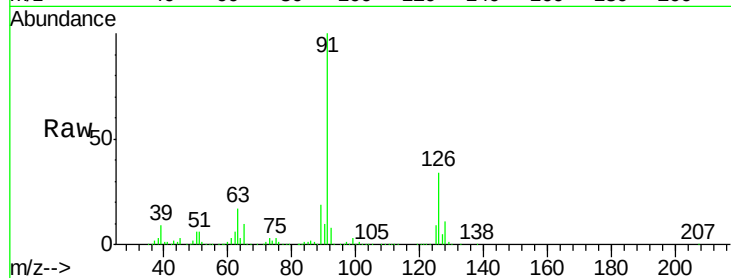
126 32.1 16.3 48.8

Manual Integrations

APPROVED

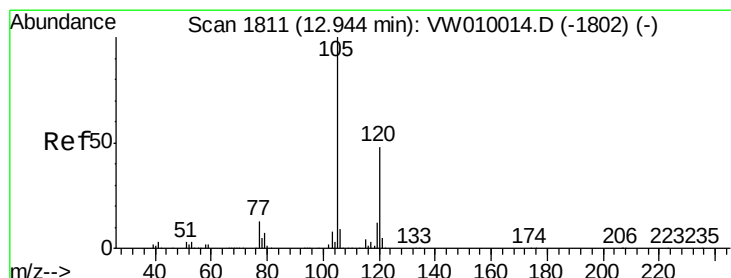
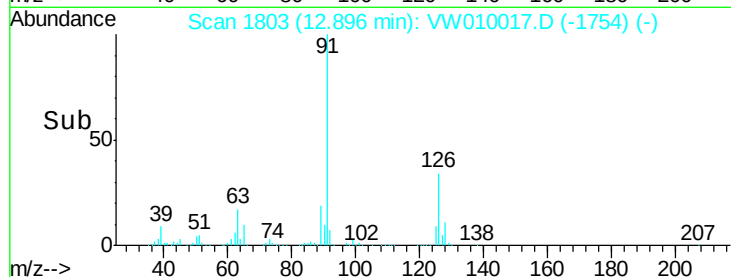
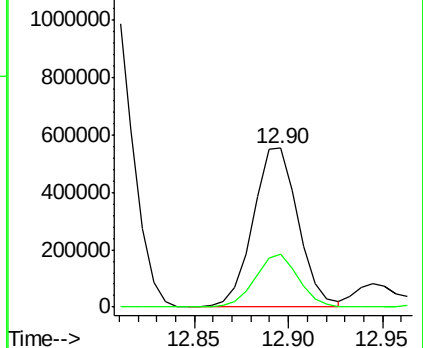
MMDadoda

4/18/2019 11:40:27 AM



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: 57.444 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010017.D

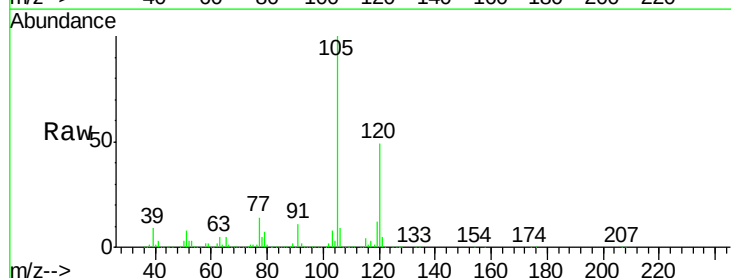
Acq: 17 Apr 2019 15:19

Tgt Ion:105 Resp: 1126446

Ion Ratio Lower Upper

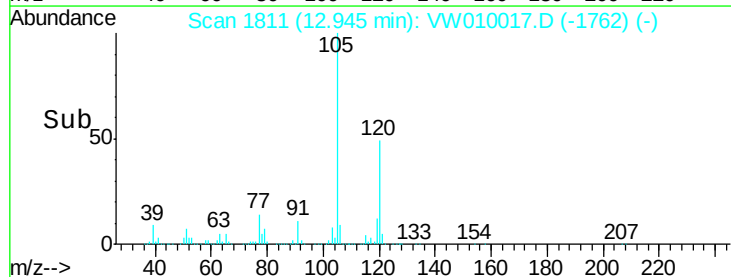
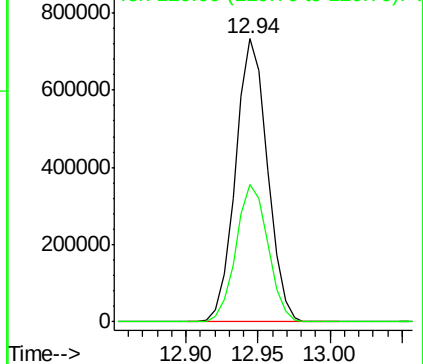
105 100

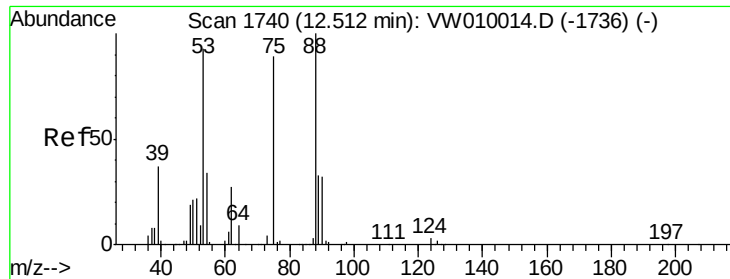
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





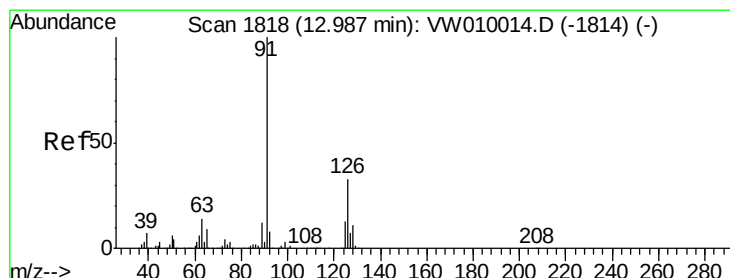
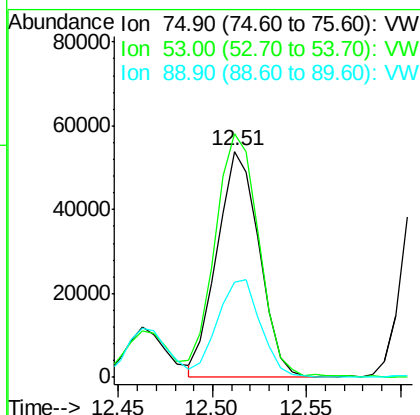
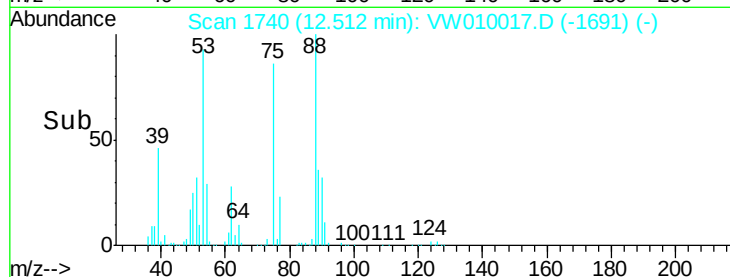
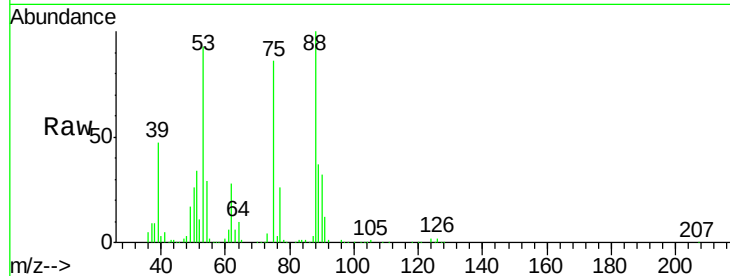
#81
trans-1,4-Dichloro-2-butene
Concen: 58.775 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.2	89.8	134.8
89	44.9	36.6	54.8

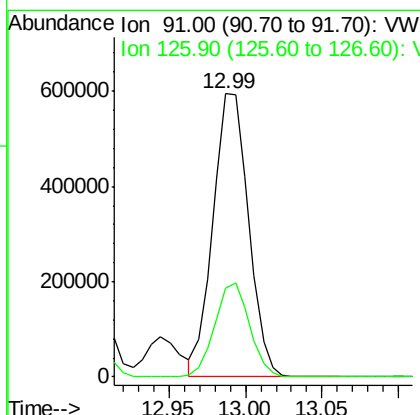
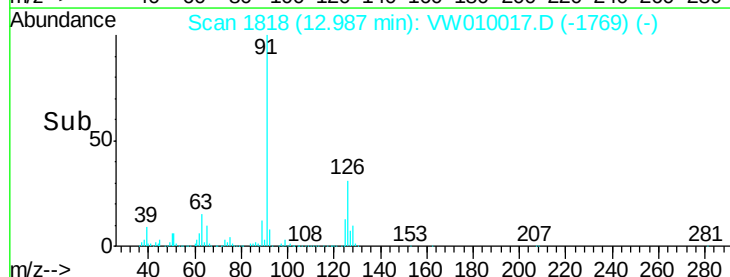
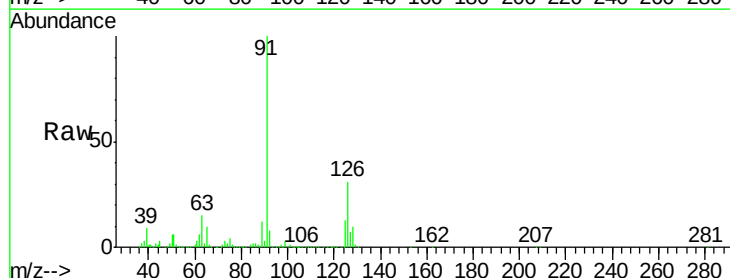
Manual Integrations
APPROVED

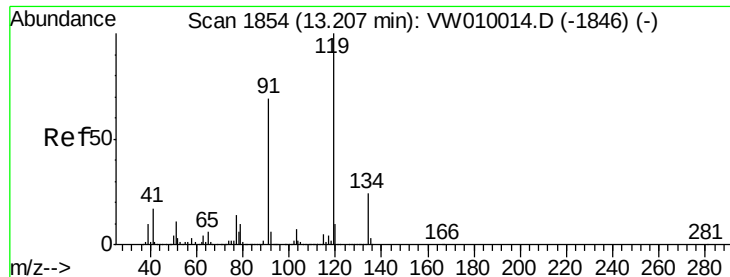
MMDadoda
4/18/2019 11:40:27 AM



#82
4-Chlorotoluene
Concen: 55.267 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





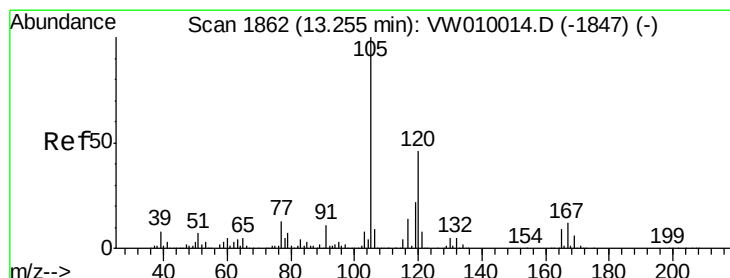
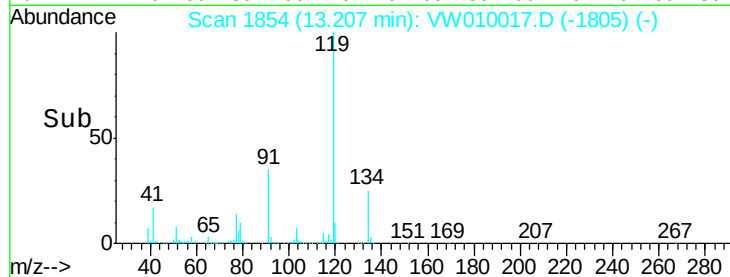
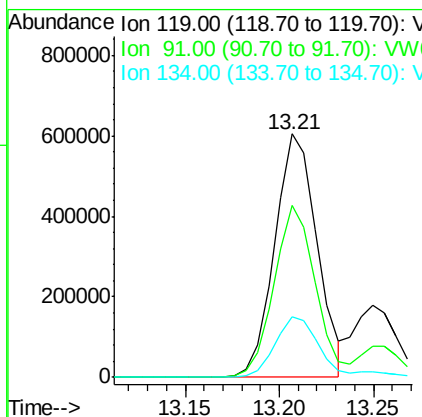
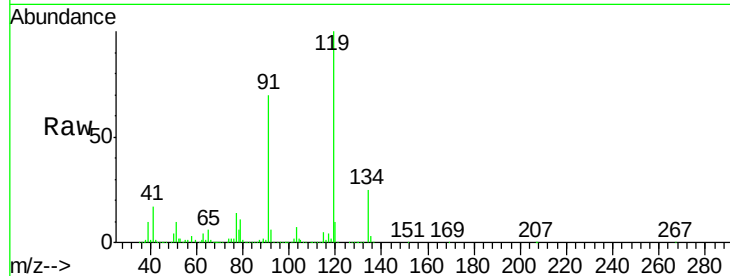
#83
 tert-Butylbenzene
 Concen: 57.965 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	34.8	104.4
134	27.3	13.7	41.1

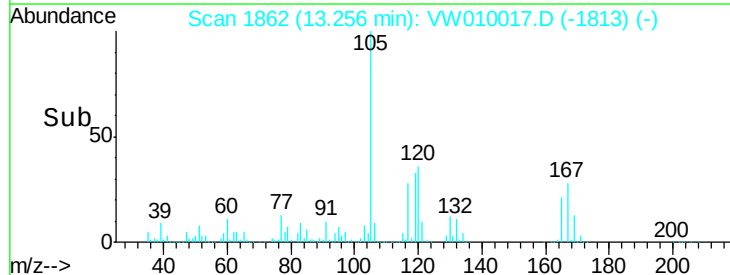
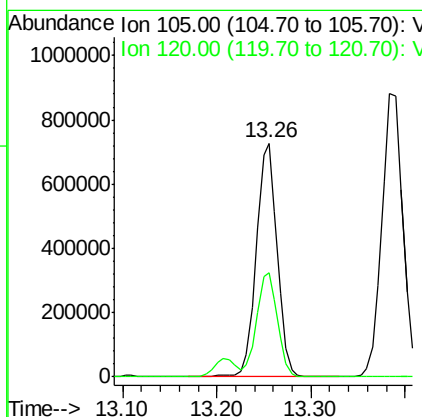
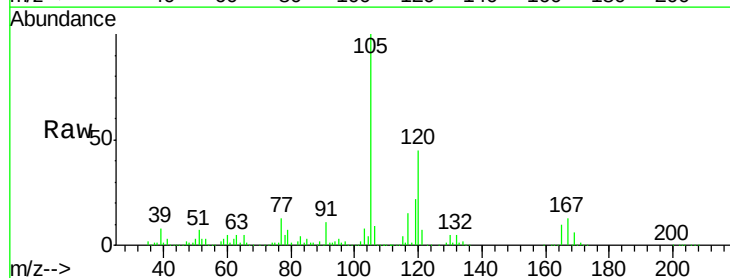
Manual Integrations
 APPROVED

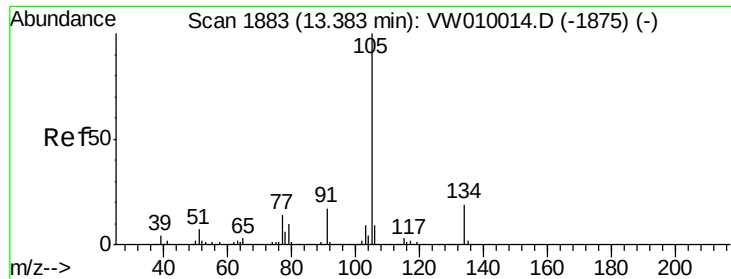
MMDadoda
 4/18/2019 11:40:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 57.068 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 56.195 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW041719

Tot Ion:105 Resp: 1363698

Ion Ratio Lower Upper

105 100

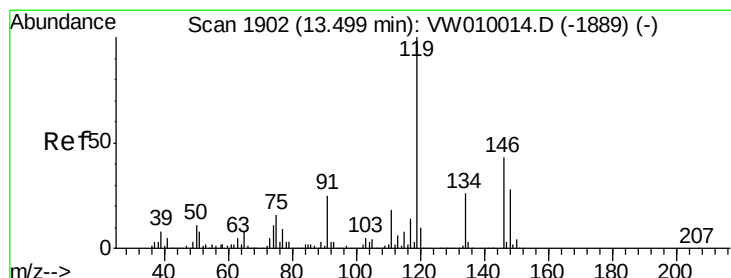
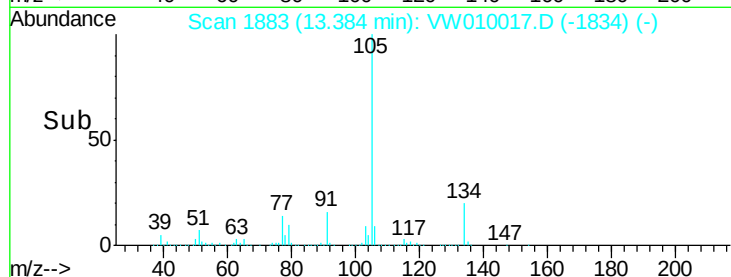
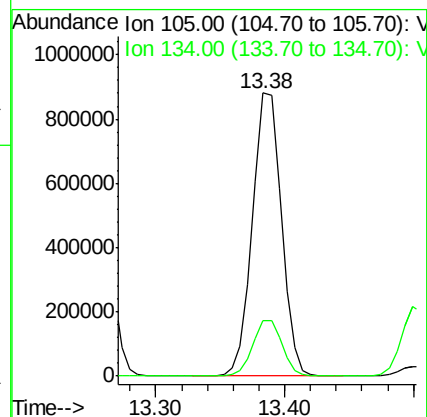
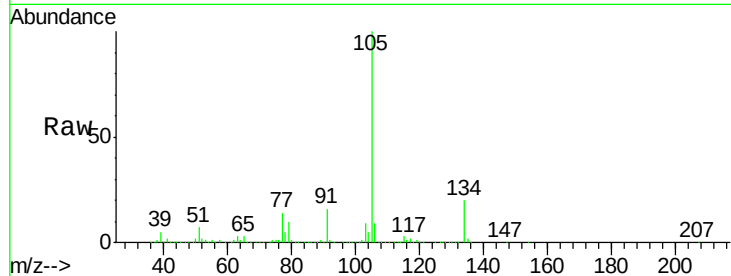
134 19.7 9.8 29.5

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:27 AM



#86

p-Isopropyltoluene

Concen: 57.929 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

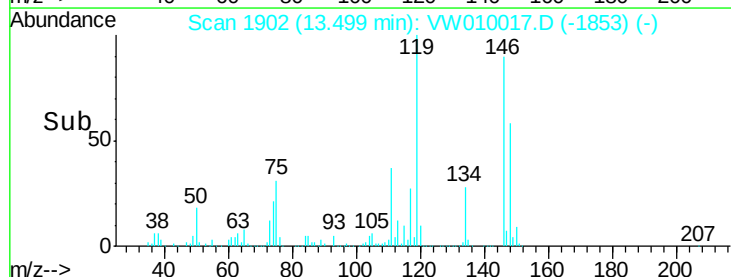
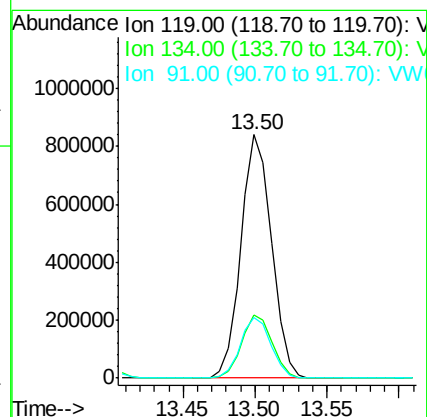
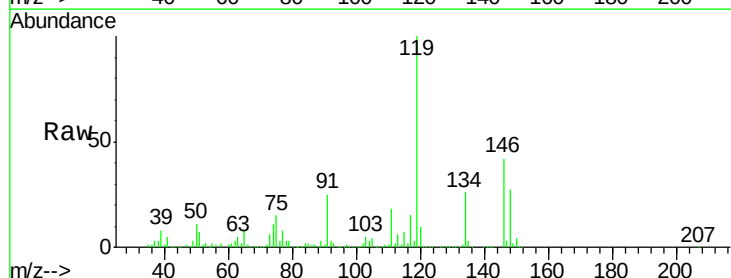
Tgt Ion:119 Resp: 1239049

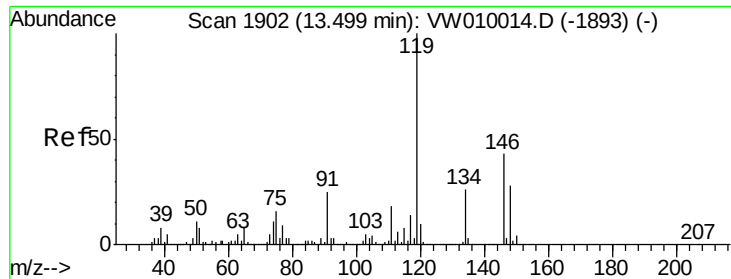
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 53.498 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

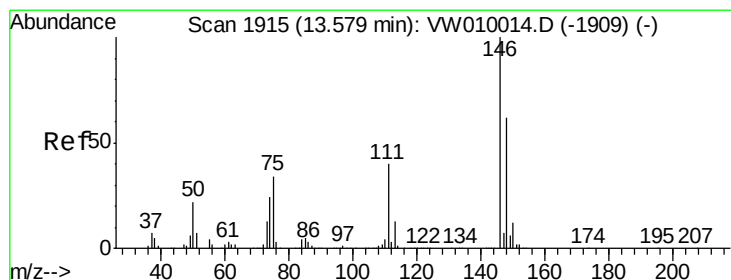
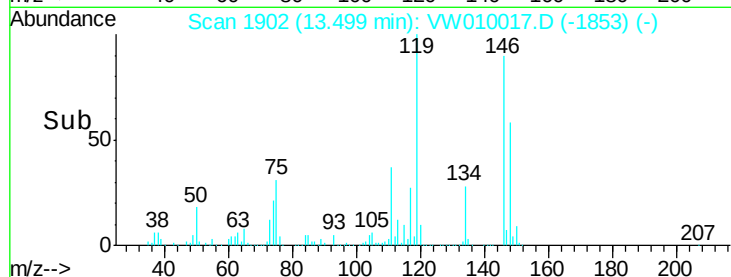
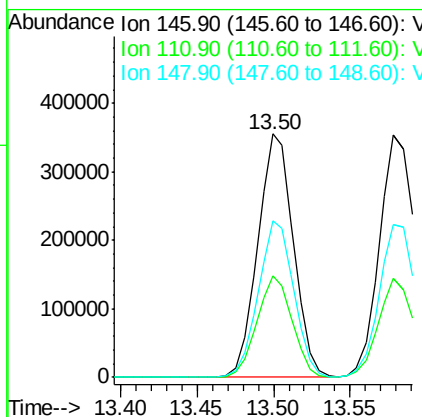
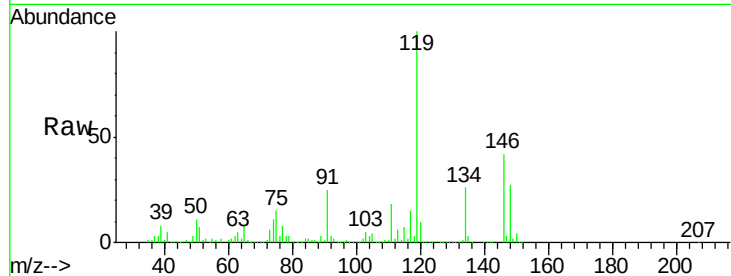
Instrument :
MSVOA_W

ClientSampleId :
ICVW041719

Tot Ion	Ratio	Resp	Lower	Upper
146	100	575216		
111	41.1	20.3	61.0	
148	64.1	32.0	96.2	

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#88

1,4-Dichlorobenzene

Concen: 53.196 ug/l

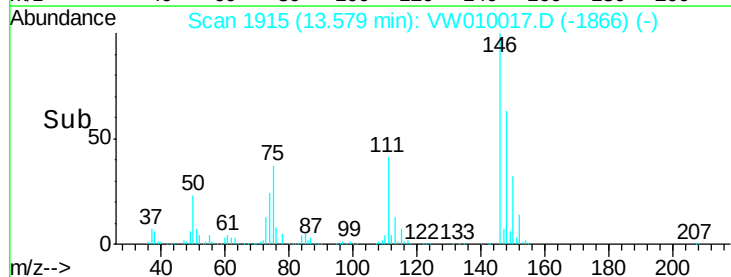
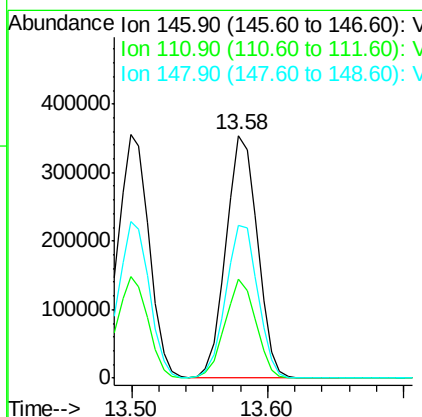
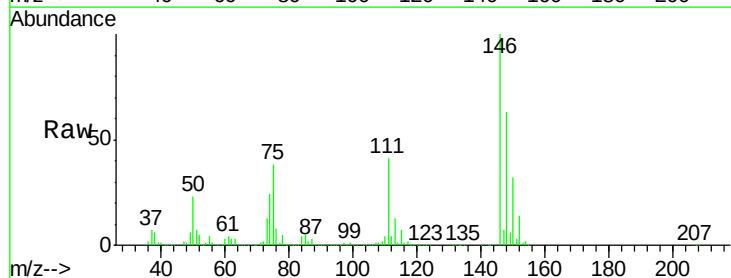
RT: 13.58 min Scan# 1915

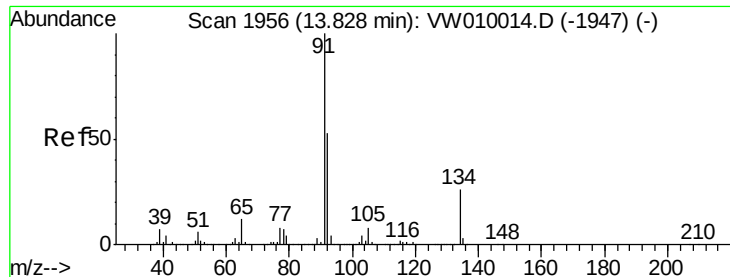
Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	570921		
111	40.1	20.1	60.3	
148	63.8	31.8	95.3	





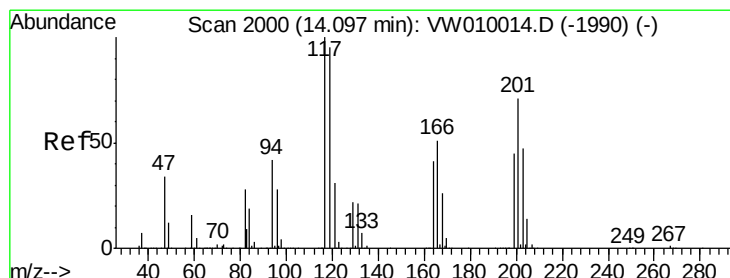
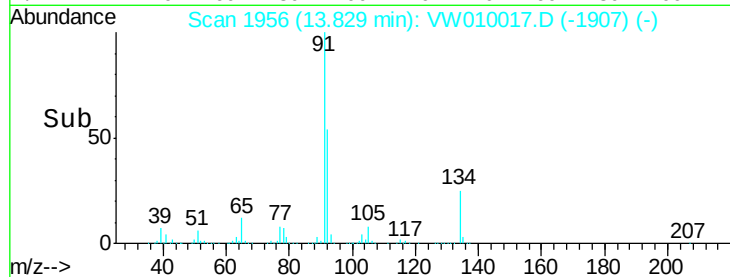
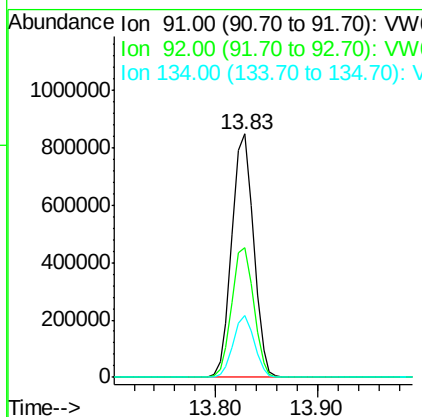
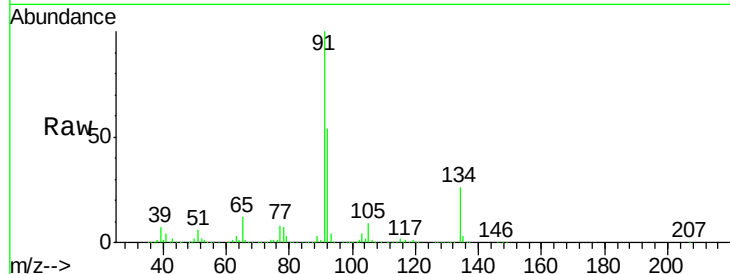
#89
n-Butylbenzene
Concen: 58.807 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW041719

Tot Ion: 91 Resp: 1246185
Ion Ratio Lower Upper
91 100
92 54.0 26.5 79.4
134 24.9 12.4 37.0

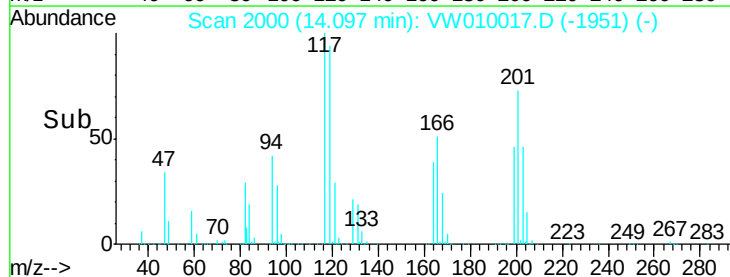
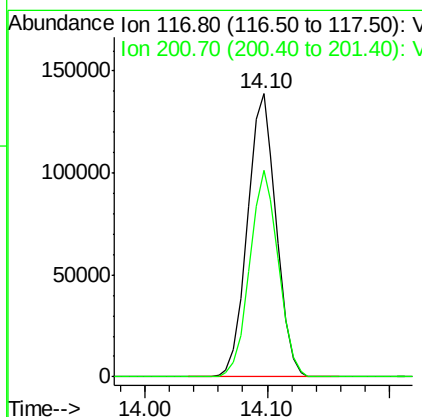
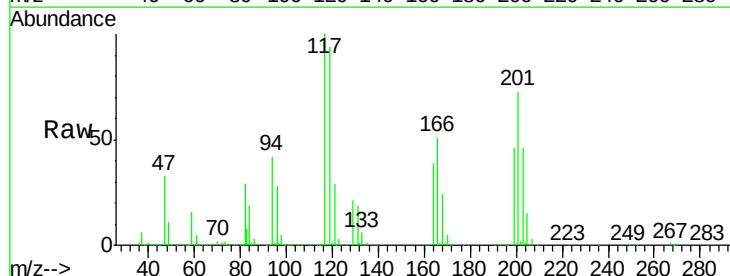
Manual Integrations
APPROVED

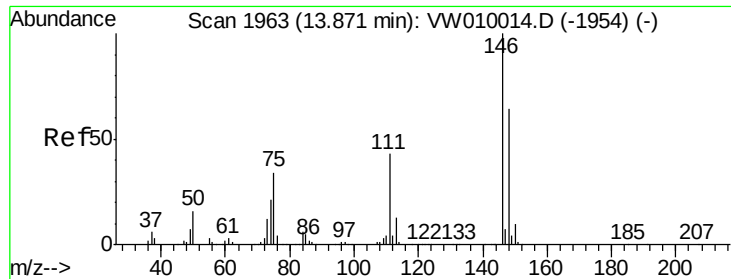
MMDadoda
4/18/2019 11:40:27 AM



#90
Hexachloroethane
Concen: 55.348 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010017.D
Acq: 17 Apr 2019 15:19

Tgt Ion: 117 Resp: 226745
Ion Ratio Lower Upper
117 100
201 73.0 36.1 108.3





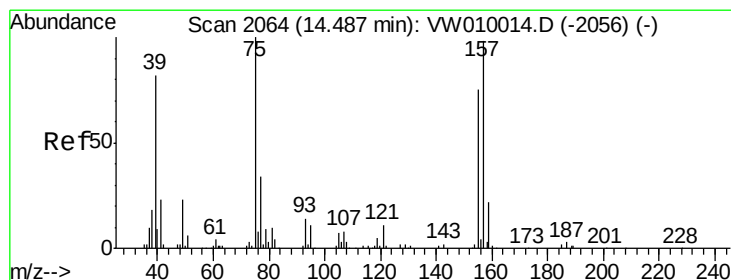
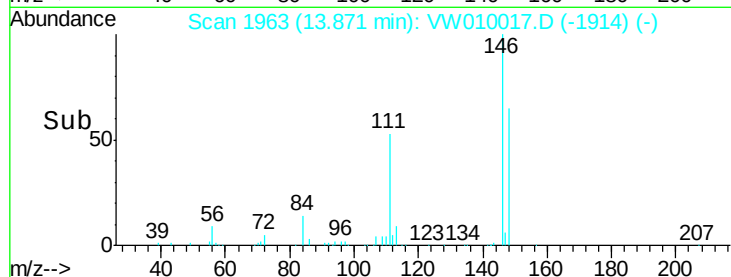
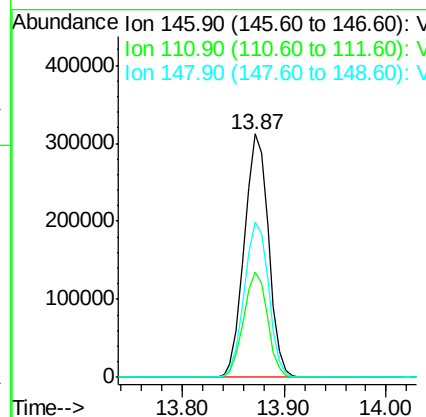
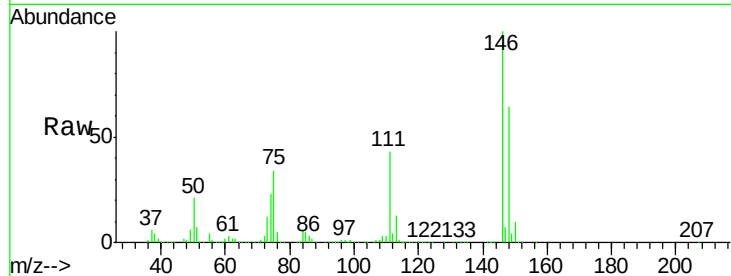
#91
 1,2-Dichlorobenzene
 Concen: 53.076 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Resp	Lower	Upper
146	100	511695		
111	42.5	20.9	62.8	
148	64.2	31.9	95.7	

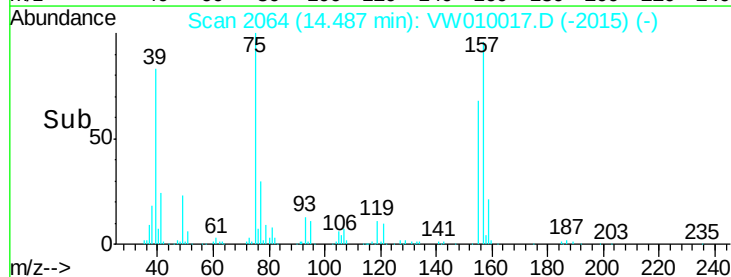
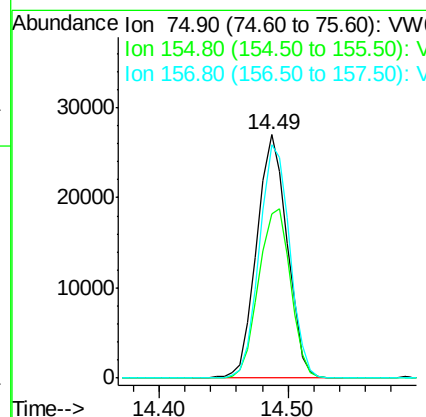
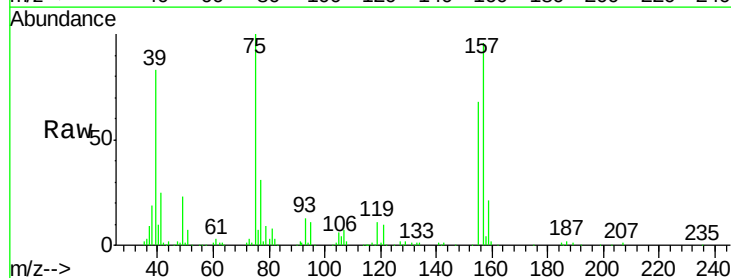
Manual Integrations
 APPROVED

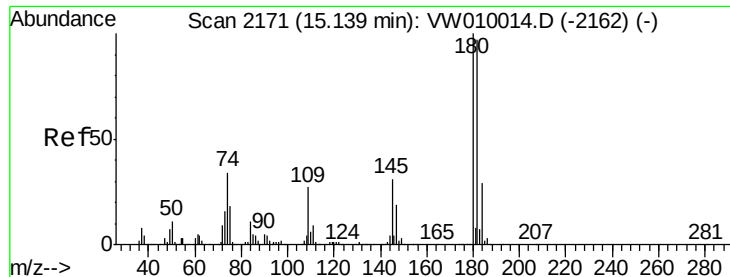
MMDadoda
 4/18/2019 11:40:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.862 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44043		
155	73.1	37.1	111.5	
157	95.3	47.3	141.9	





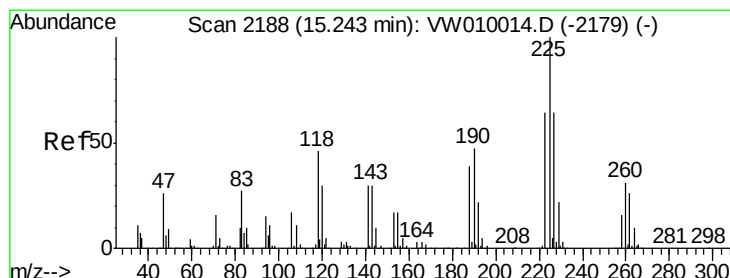
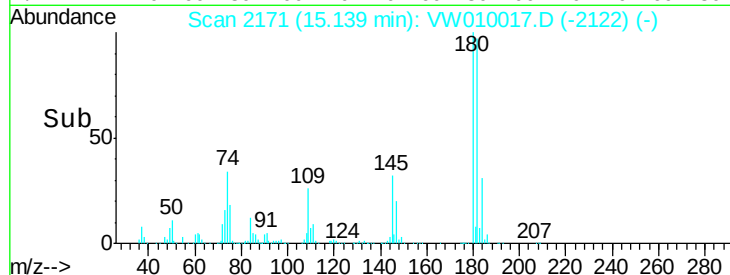
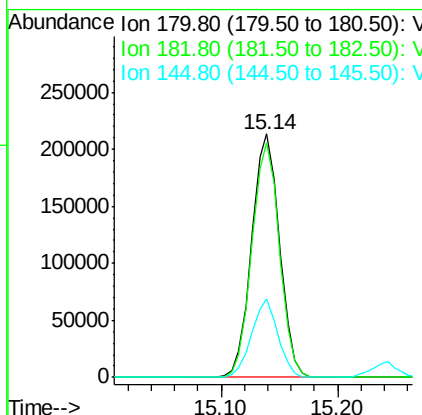
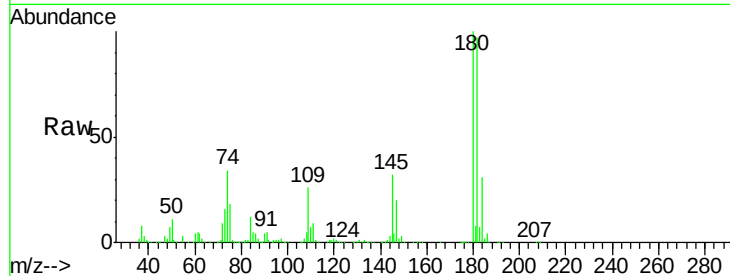
#93
 1,2,4-Trichlorobenzene
 Concen: 56.070 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW041719

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.1	141.4	
145	30.9	15.2	45.6	

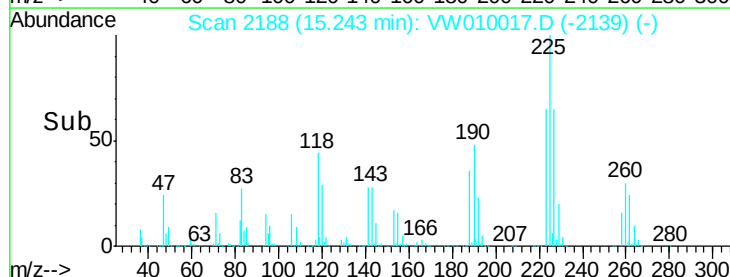
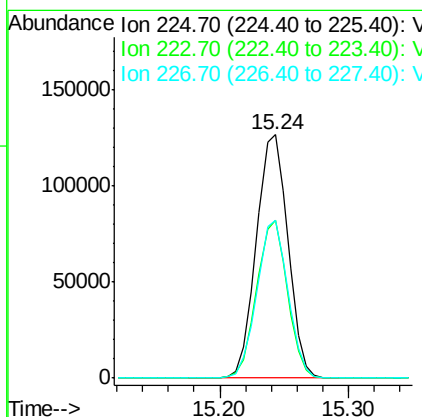
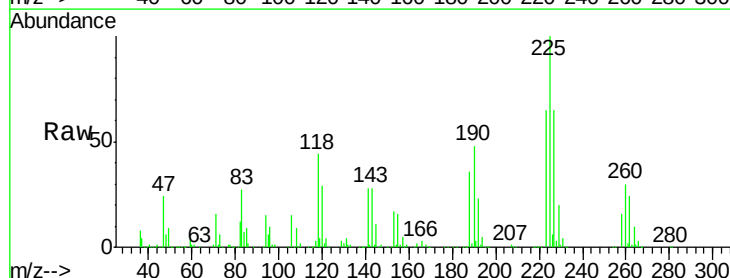
Manual Integrations
 APPROVED

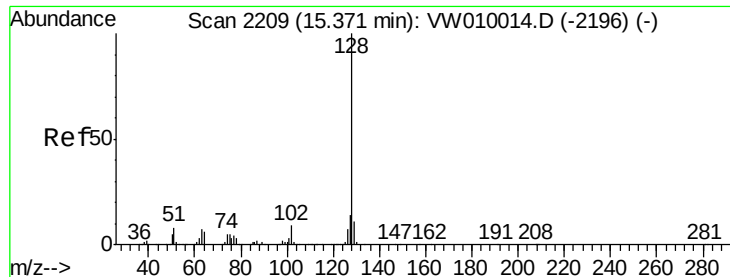
MMDadoda
 4/18/2019 11:40:27 AM



#94
 Hexachlorobutadiene
 Concen: 55.703 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010017.D
 Acq: 17 Apr 2019 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.9	95.5	
227	63.4	31.8	95.3	





#95

Naphthalene

Concen: 54.207 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Instrument :

MSVOA_W

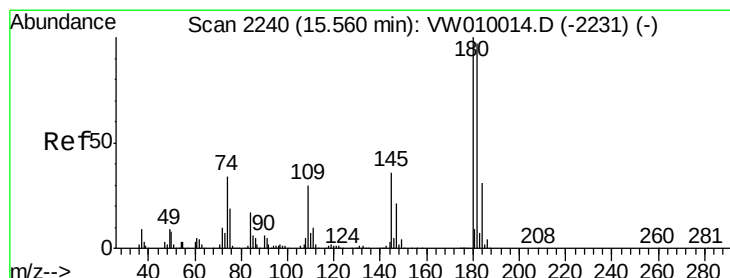
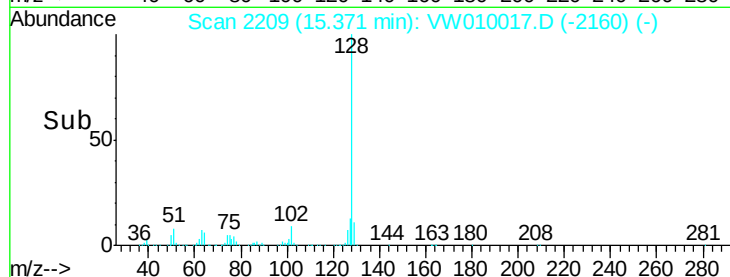
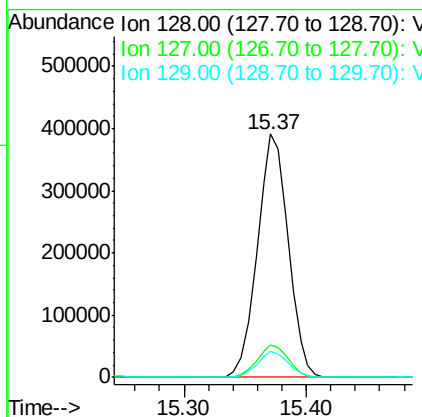
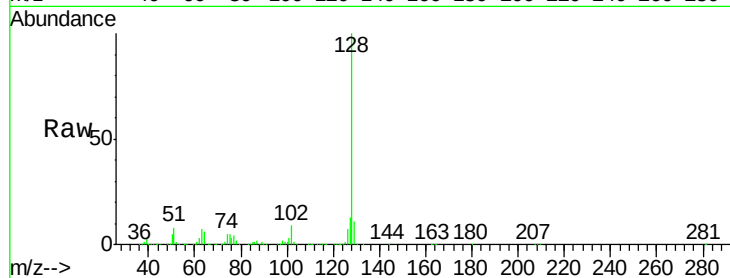
ClientSampleId :

ICVW041719

Tot Ion:	128	Resp:	687452
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.045 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010017.D

Acq: 17 Apr 2019 15:19

Tgt Ion:	180	Resp:	314778
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.3
145	33.2	16.4	49.2

