

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060719\
 Data File : VW010734.D
 Acq On : 07 Jun 2019 17:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:24:52 PM

Quant Time: Jun 08 04:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	141850	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	7.88	113	111574	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.32	98	461272	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.62	95	172293	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	103095	46.857	ug/l	99
3) Chloromethane	2.21	50	155977	48.185	ug/l	98
4) Vinyl Chloride	2.35	62	142633	47.691	ug/l	98
5) Bromomethane	2.76	94	84375	51.374	ug/l	99
6) Chloroethane	2.91	64	88726	49.424	ug/l	97
7) Trichlorofluoromethane	3.25	101	193493	49.839	ug/l	99
8) Diethyl Ether	3.68	74	66931	48.241	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119564	50.092	ug/l	98
10) Methyl Iodide	4.27	142	106624	44.001	ug/l	98
11) Tert butyl alcohol	5.17	59	53220	232.784	ug/l	100
12) 1,1-Dichloroethene	4.03	96	113027	49.089	ug/l	98
13) Acrolein	3.90	56	14815	158.580	ug/l	97
14) Allyl chloride	4.67	41	258629	50.943	ug/l	98
15) Acrylonitrile	5.37	53	163162	242.070	ug/l	99
16) Acetone	4.12	43	184925	245.929	ug/l	99
17) Carbon Disulfide	4.38	76	356304	48.748	ug/l	99
18) Methyl Acetate	4.67	43	74855	46.246	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	320786	48.306	ug/l	98
20) Methylene Chloride	4.92	84	130816	49.591	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	128939	49.330	ug/l	95
22) Diisopropyl ether	6.31	45	519450	51.107	ug/l	99
23) Vinyl Acetate	6.26	43	1539262	250.942	ug/l	100
24) 1,1-Dichloroethane	6.21	63	260323	51.108	ug/l	98
25) 2-Butanone	7.17	43	250516	240.263	ug/l	99
26) 2,2-Dichloropropane	7.17	77	218187	52.641	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	143554	49.905	ug/l	97
28) Bromochloromethane	7.51	49	115366	50.751	ug/l	97
29) Tetrahydrofuran	7.53	42	152916	233.162	ug/l	99
30) Chloroform	7.68	83	235549	50.558	ug/l	99
31) Cyclohexane	7.95	56	271632	47.973	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	209420	51.457	ug/l	100
36) 1,1-Dichloropropene	8.09	75	199624	50.216	ug/l	100
37) Ethyl Acetate	7.26	43	104663	47.512	ug/l	99
38) Carbon Tetrachloride	8.07	117	173515	50.563	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060719\
 Data File : VW010734.D
 Acq On : 07 Jun 2019 17:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:24:52 PM

Quant Time: Jun 08 04:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	252377	49.941	ug/l	100
40) Benzene	8.32	78	544938	50.249	ug/l	99
41) Methacrylonitrile	7.48	41	68756	52.510	ug/l	94
42) 1,2-Dichloroethane	8.40	62	173030	50.271	ug/l	99
43) Isopropyl Acetate	8.43	43	204671	48.092	ug/l	100
44) Trichloroethene	9.09	130	132850	49.661	ug/l	99
45) 1,2-Dichloropropane	9.37	63	145582	50.712	ug/l	99
46) Dibromomethane	9.46	93	66269	49.699	ug/l	99
47) Bromodichloromethane	9.65	83	175909	50.894	ug/l	98
48) Methyl methacrylate	9.44	41	100573	49.014	ug/l	99
49) 1,4-Dioxane	9.44	88	19728	946.322	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	523269	240.675	ug/l	99
52) Toluene	10.39	92	333743	50.017	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	183612	50.154	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	219327	50.912	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94334	49.110	ug/l	97
56) Ethyl methacrylate	10.65	69	144971	49.047	ug/l	97
57) 1,3-Dichloropropane	10.93	76	178633	49.346	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	393354	254.079	ug/l	99
59) 2-Hexanone	10.97	43	381464	242.766	ug/l	98
60) Dibromochloromethane	11.13	129	107160	50.325	ug/l	100
61) 1,2-Dibromoethane	11.24	107	88145	48.432	ug/l	99
64) Tetrachloroethene	10.87	164	111126	48.439	ug/l	99
65) Chlorobenzene	11.66	112	338824	49.866	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	118609	50.427	ug/l	99
67) Ethyl Benzene	11.73	91	659018	50.467	ug/l	100
68) m/p-Xylenes	11.84	106	476288	101.890	ug/l	99
69) o-Xylene	12.17	106	223313	50.370	ug/l	97
70) Styrene	12.18	104	391115	50.784	ug/l	99
71) Bromoform	12.35	173	58912	48.429	ug/l #	100
73) Isopropylbenzene	12.46	105	630471	49.858	ug/l	100
74) N-amyl acetate	12.27	43	198876	48.663	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	113008	46.943	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82954m	46.942	ug/l	
77) Bromobenzene	12.75	156	136784	49.554	ug/l	100
78) n-propylbenzene	12.80	91	771296	50.584	ug/l	100
79) 2-Chlorotoluene	12.90	91	434712	49.902	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	531373	51.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35943	46.747	ug/l	98
82) 4-Chlorotoluene	12.99	91	453008	50.391	ug/l	99
83) tert-Butylbenzene	13.21	119	446759	50.859	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	530342	50.918	ug/l	100
85) sec-Butylbenzene	13.38	105	648053	50.670	ug/l	99
86) p-Isopropyltoluene	13.50	119	585920	51.229	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	267097	50.177	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	262896	49.817	ug/l	99
89) n-Butylbenzene	13.83	91	599364	52.523	ug/l	100
90) Hexachloroethane	14.10	117	104103	50.826	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	237093	49.528	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19758	47.795	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060719\
Data File : VW010734.D
Acq On : 07 Jun 2019 17:35
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM

Quant Time: Jun 08 04:03:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	174318	51.891	ug/l	100
94) Hexachlorobutadiene	15.24	225	109424	51.901	ug/l	99
95) Naphthalene	15.37	128	304019	49.811	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	148039	51.818	ug/l	99

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

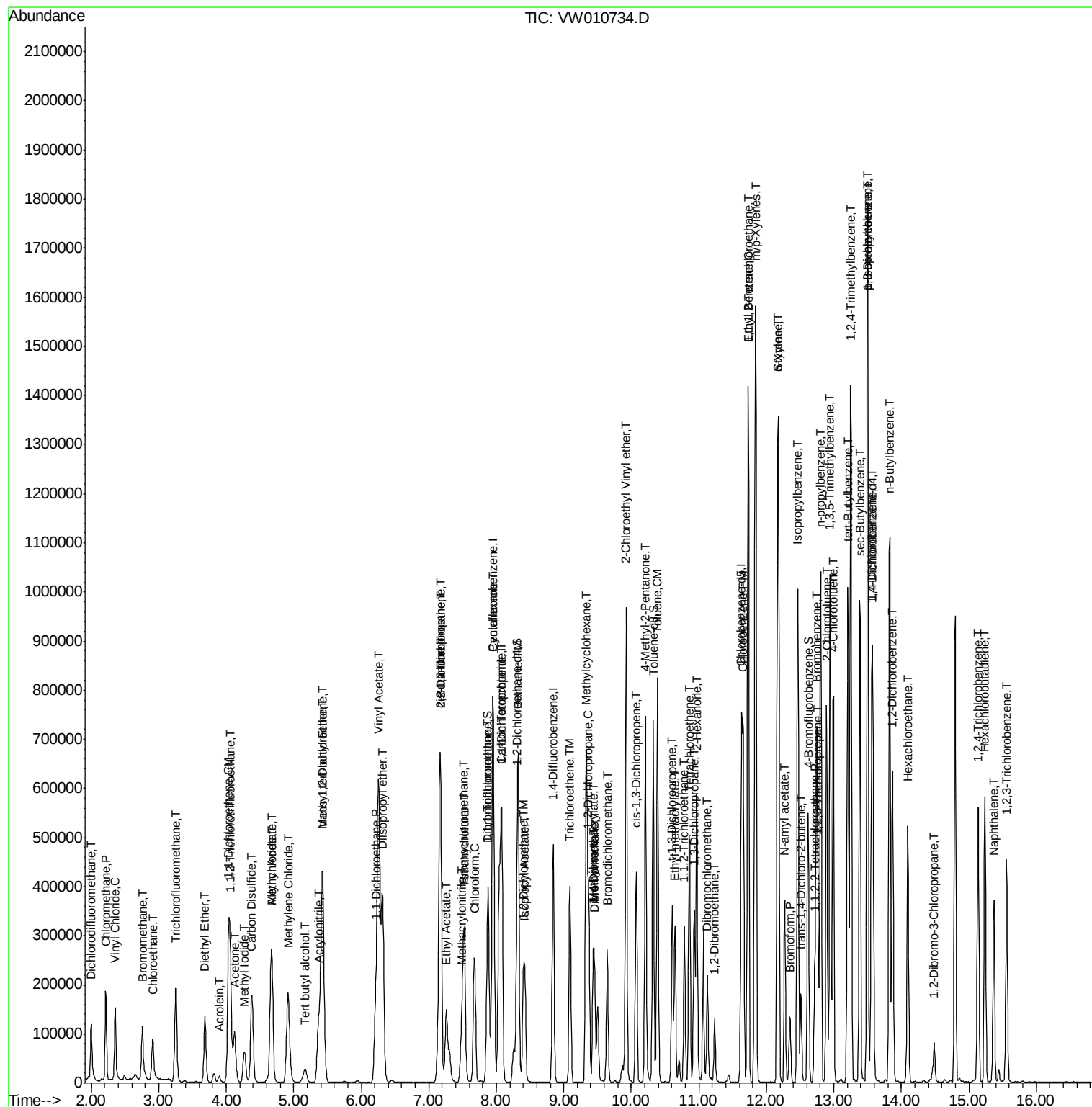
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060719\
 Data File : VW010734.D
 Acq On : 07 Jun 2019 17:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

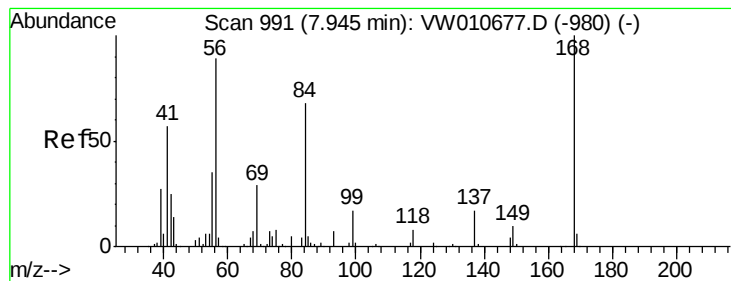
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:24:52 PM

Quant Time: Jun 08 04:03:55 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 238091

Ion Ratio Lower Upper

168 100

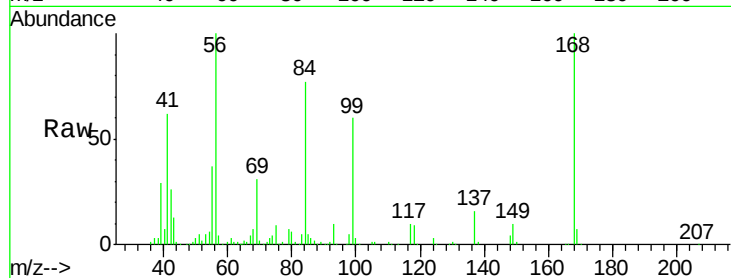
99 60.1 47.7 71.5

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

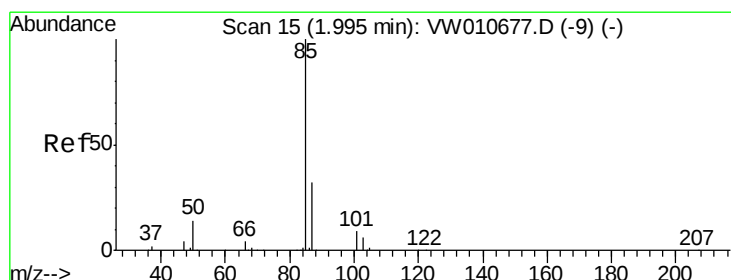
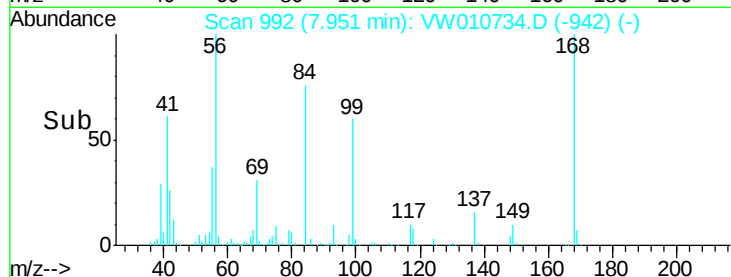
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.857 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010734.D

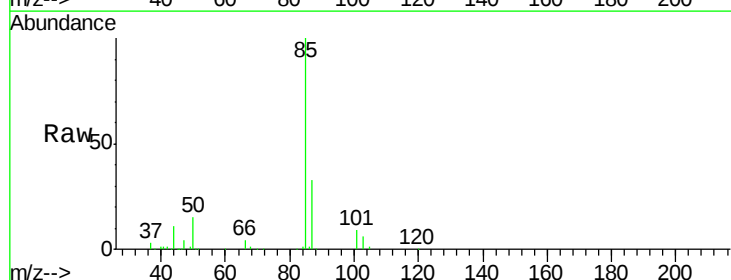
Acq: 07 Jun 2019 17:35

Tgt Ion: 85 Resp: 103095

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

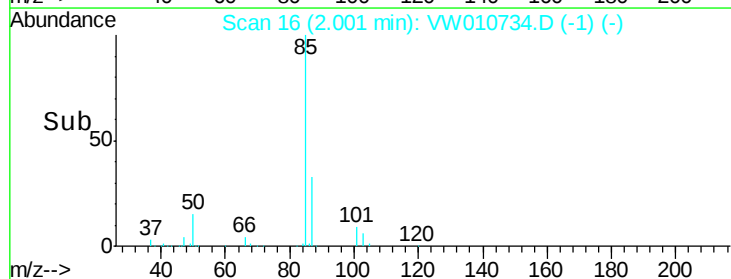
60000

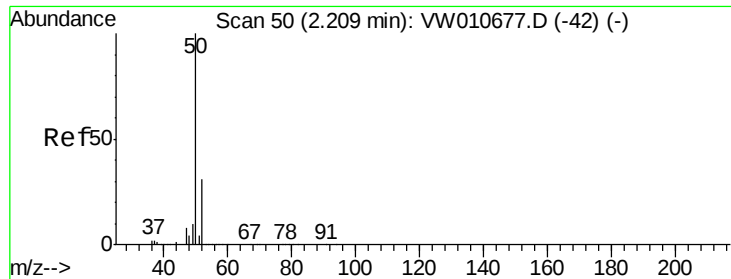
40000

20000

0

Time-->





#3

Chloromethane

Concen: 48.185 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 155977

Ion Ratio Lower Upper

50 100

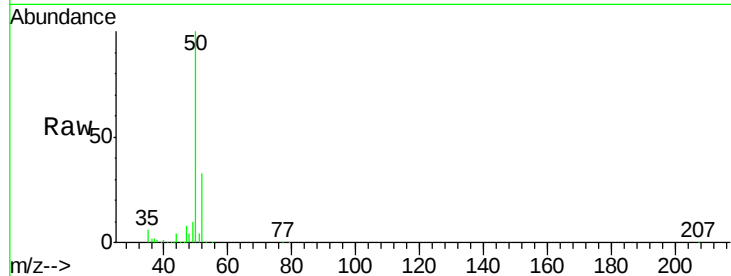
52 32.8 25.2 37.8

Manual Integrations

APPROVED

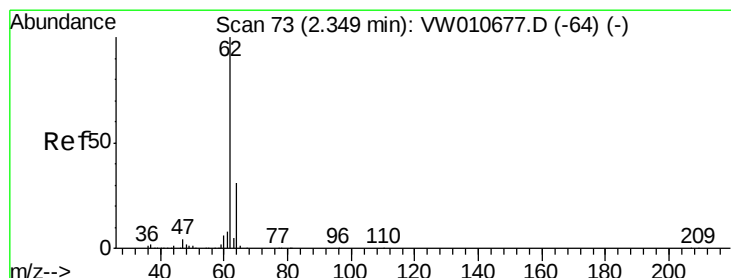
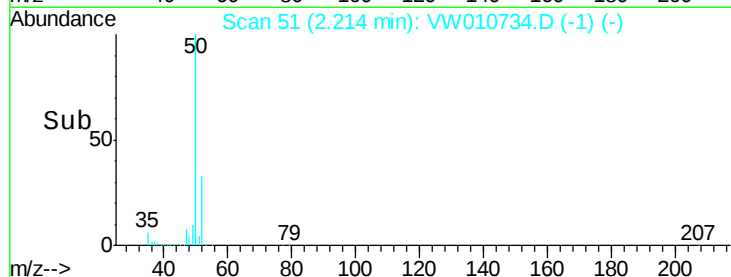
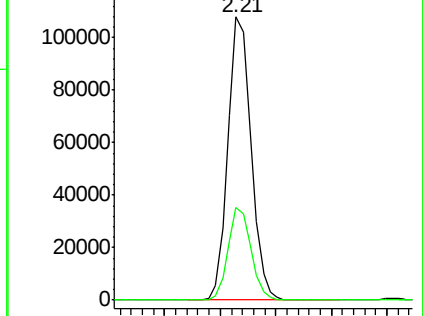
MMDadoda

6/10/2019 12:24:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.691 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010734.D

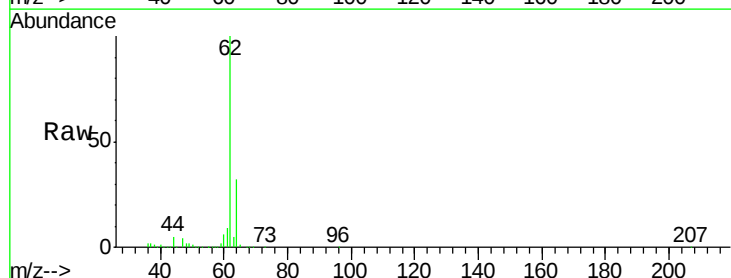
Acq: 07 Jun 2019 17:35

Tgt Ion: 62 Resp: 142633

Ion Ratio Lower Upper

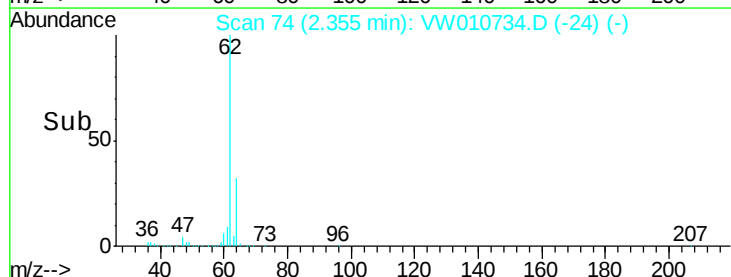
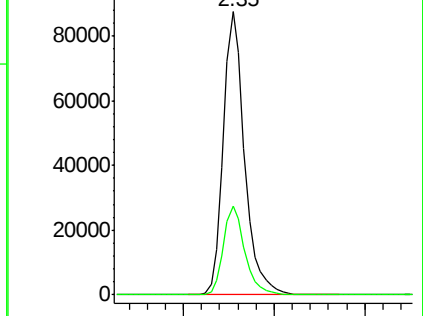
62 100

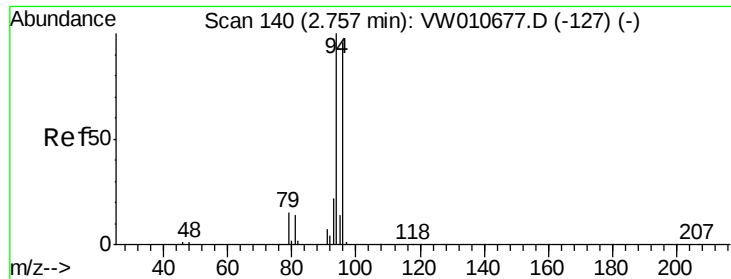
64 31.5 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 51.374 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 84375

Ion Ratio Lower Upper

94 100

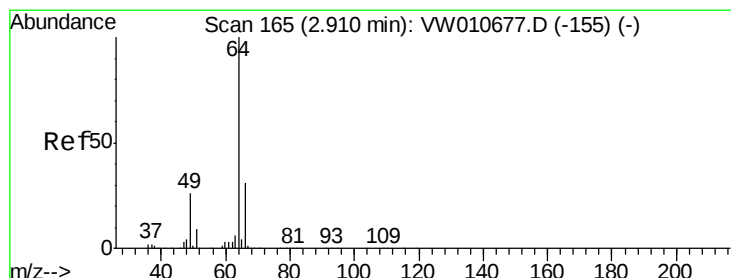
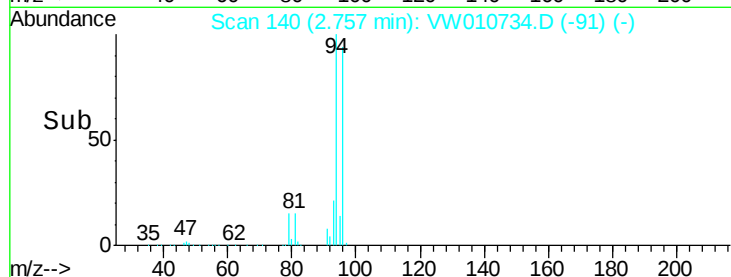
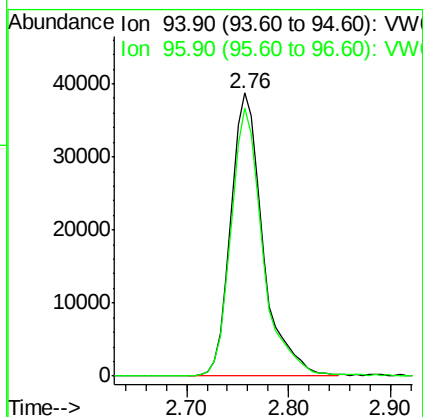
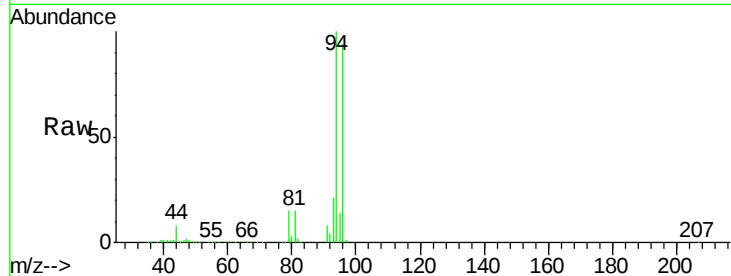
96 94.5 76.5 114.7

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#6

Chloroethane

Concen: 49.424 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010734.D

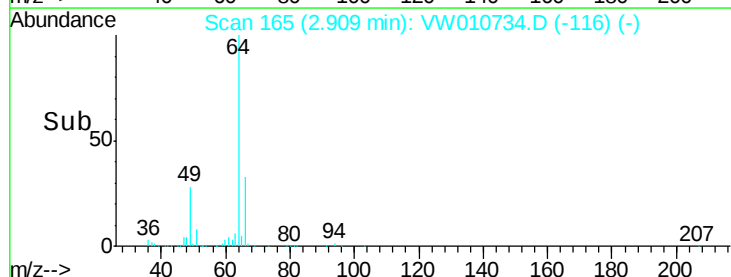
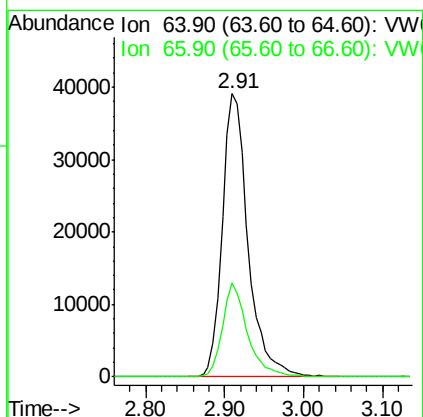
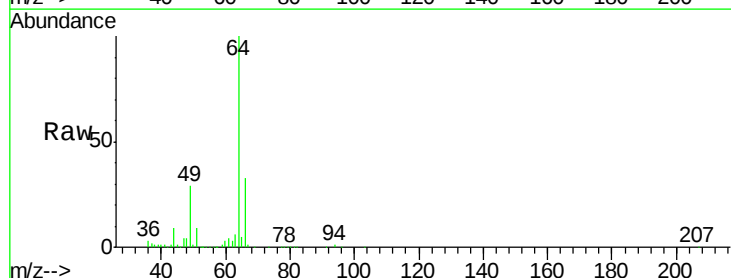
Acq: 07 Jun 2019 17:35

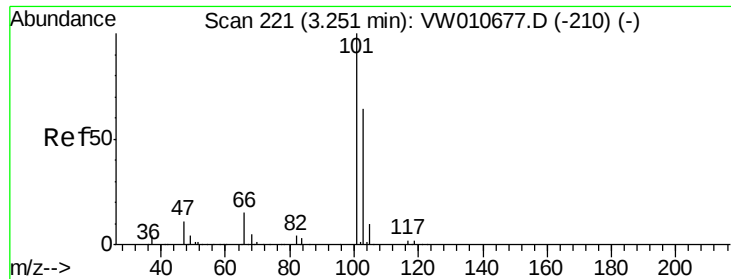
Tgt Ion: 64 Resp: 88726

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7





#7

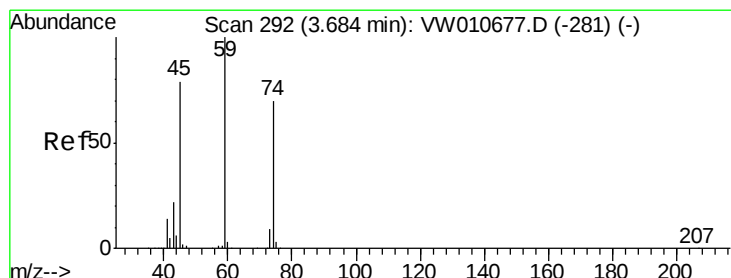
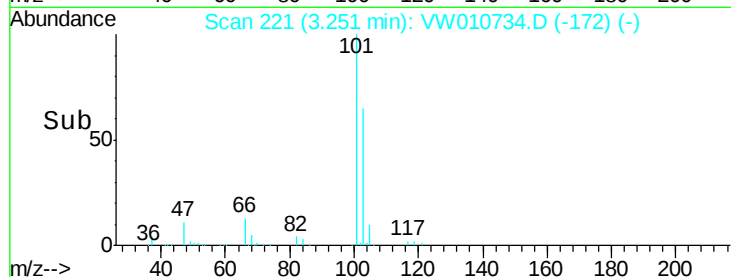
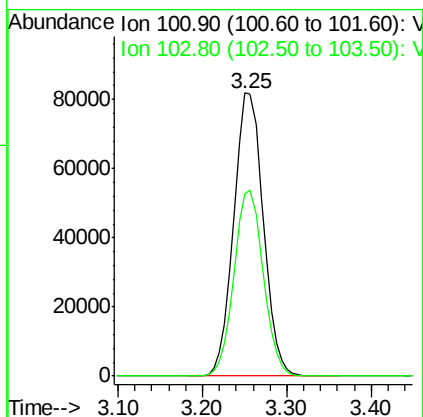
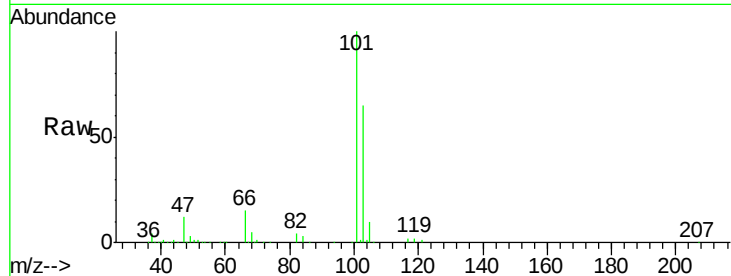
Trichlorofluoromethane
 Concen: 49.839 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

Manual Integrations
 APPROVED

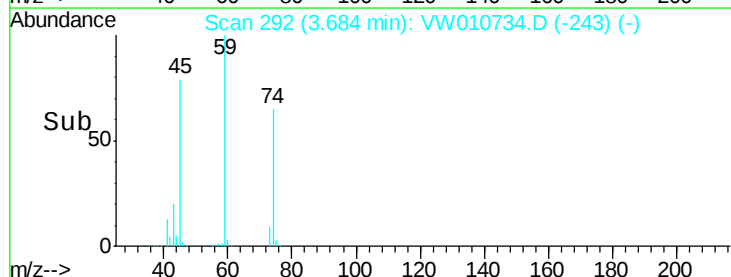
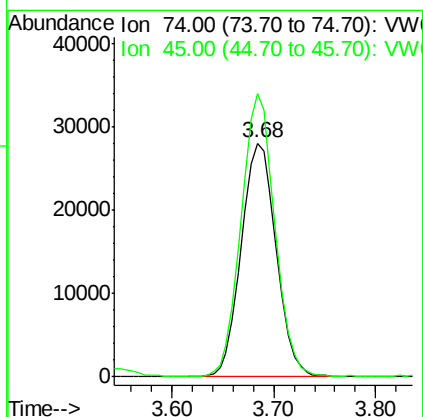
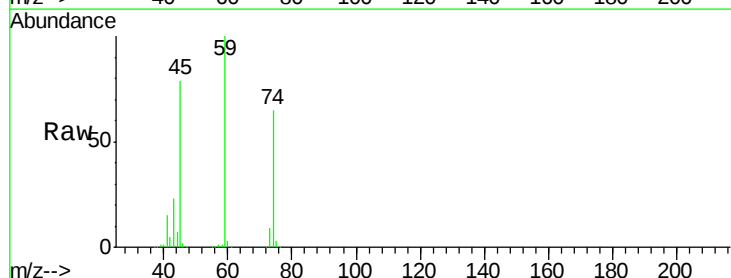
MMDadoda
 6/10/2019 12:24:52 PM

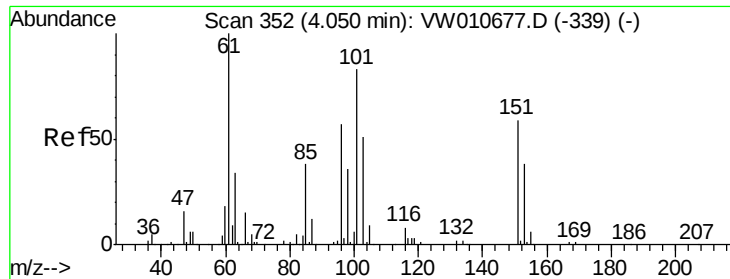


#8

Diethyl Ether
 Concen: 48.241 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.5	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.092 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

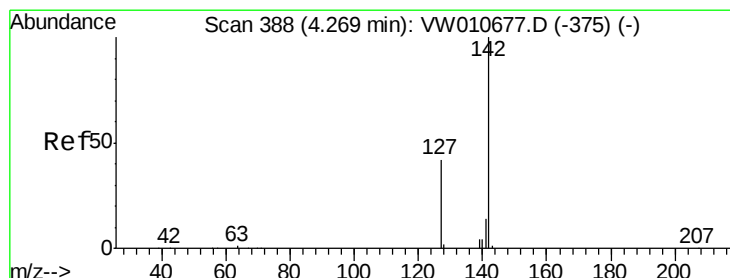
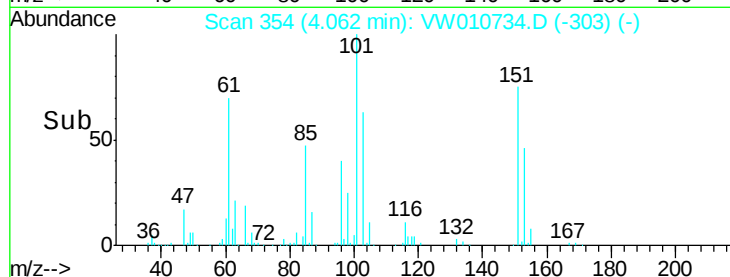
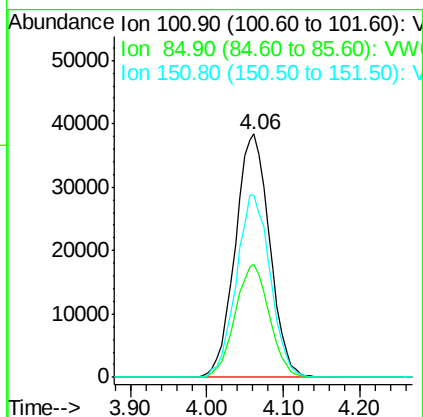
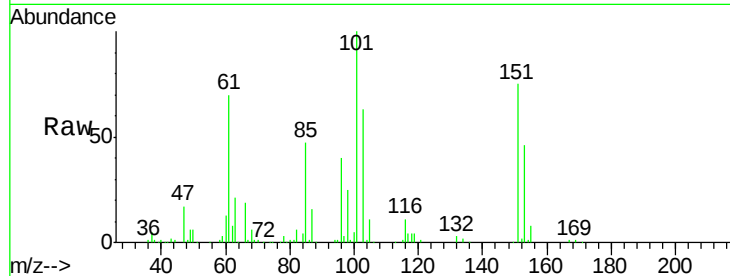
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119564
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.8	53.8
151	74.4	58.1	87.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#10

Methyl Iodide

Concen: 44.001 ug/l

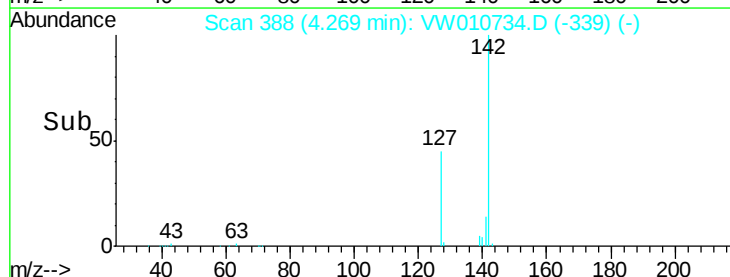
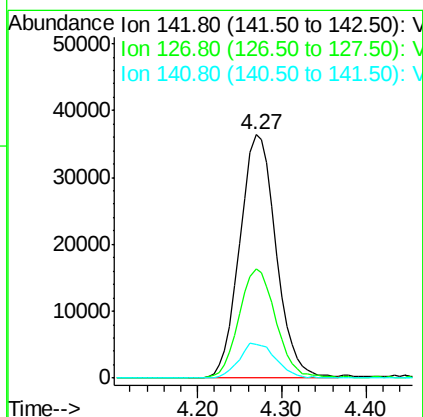
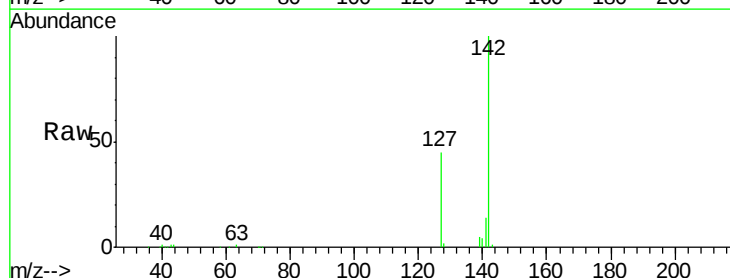
RT: 4.27 min Scan# 388

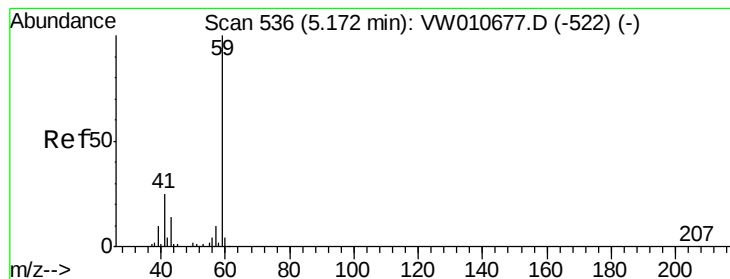
Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion:	142	Resp:	106624
Ion Ratio	Lower	Upper	
142	100		
127	45.3	34.6	51.8
141	14.6	11.6	17.4





#11

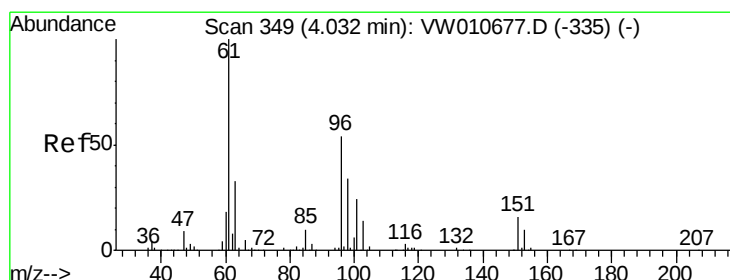
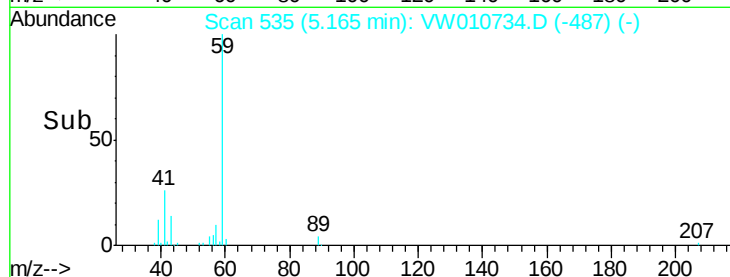
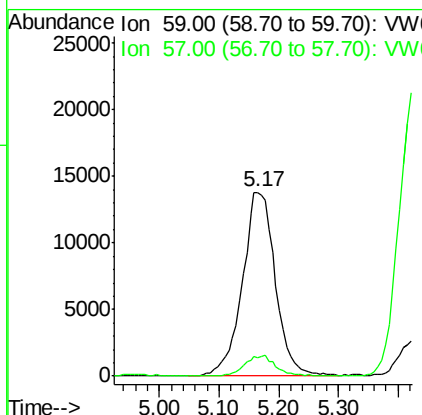
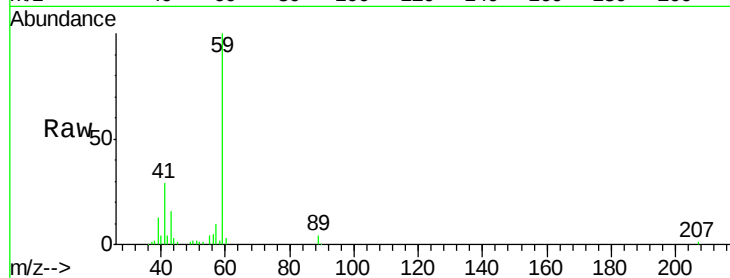
Tert butyl alcohol
Concen: 232.784 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	53220
Ion Ratio	100	Lower	Upper
57	10.5	8.6	12.8

Manual Integrations
APPROVED

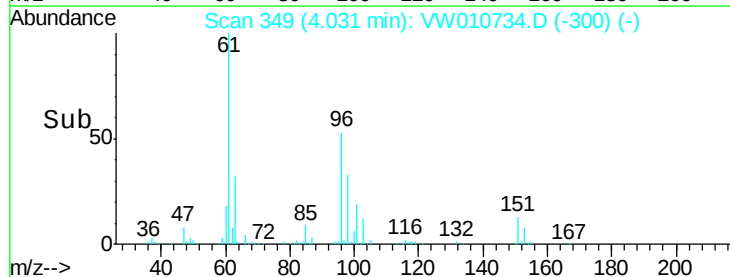
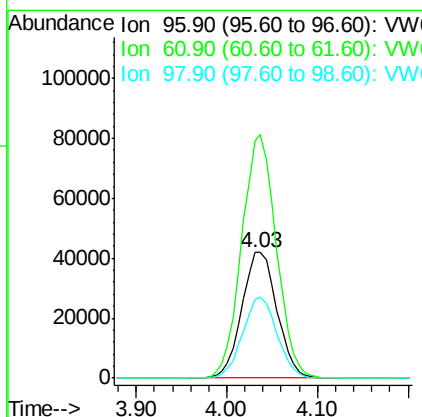
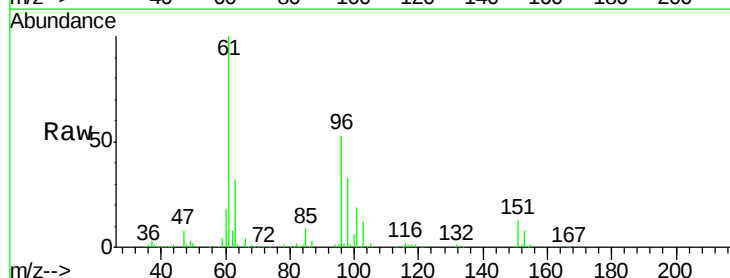
MMDadoda
6/10/2019 12:24:52 PM

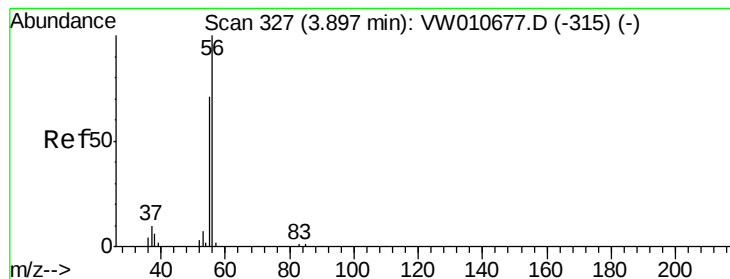


#12

1,1-Dichloroethene
Concen: 49.089 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	96	Resp	113027
Ion Ratio	100	Lower	Upper
61	189.0	149.1	223.7
98	62.4	51.1	76.7





#13

Acrolein

Concen: 158.580 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 14815

Ion Ratio Lower Upper

56 100

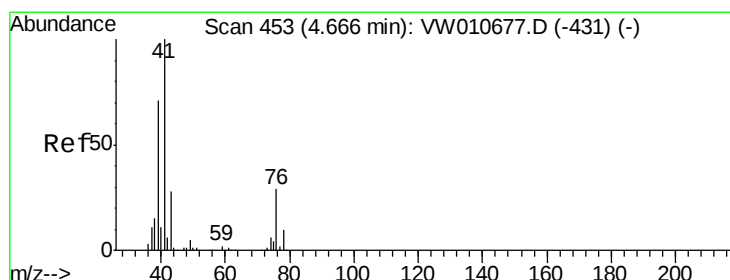
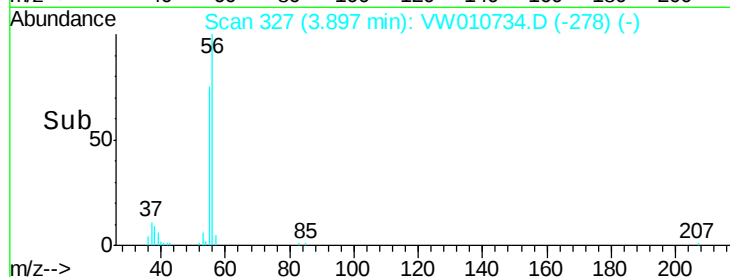
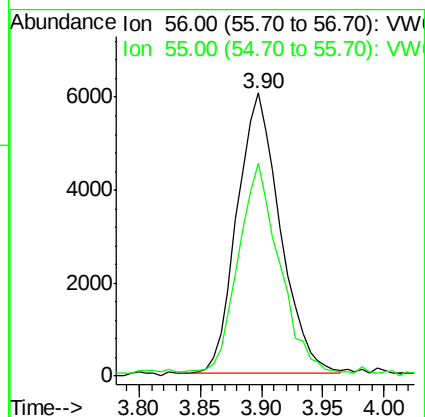
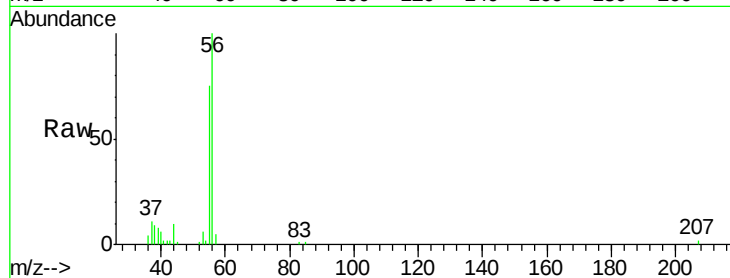
55 74.4 57.6 86.4

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#14

Allyl chloride

Concen: 50.943 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

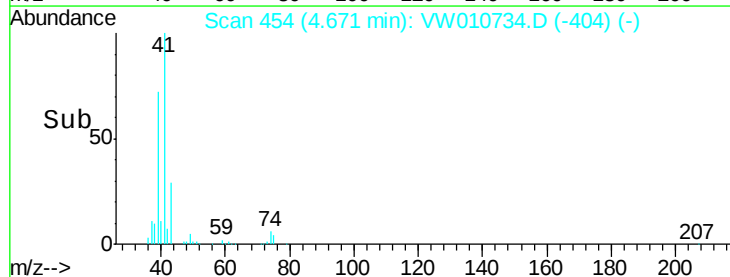
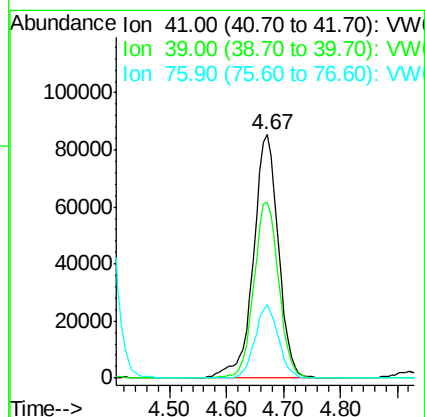
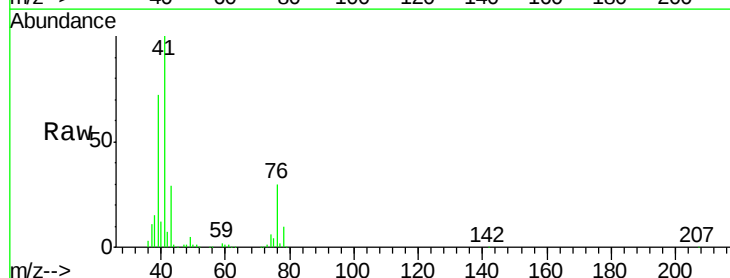
Tgt Ion: 41 Resp: 258629

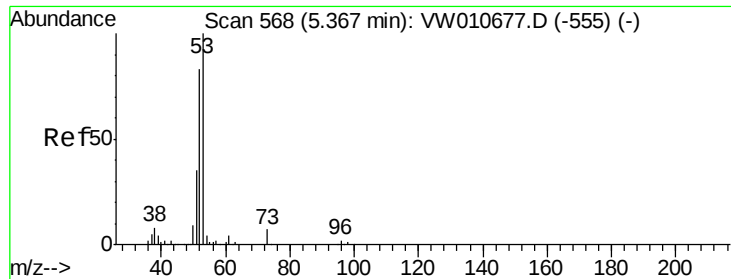
Ion Ratio Lower Upper

41 100

39 72.1 55.8 83.6

76 28.4 22.7 34.1





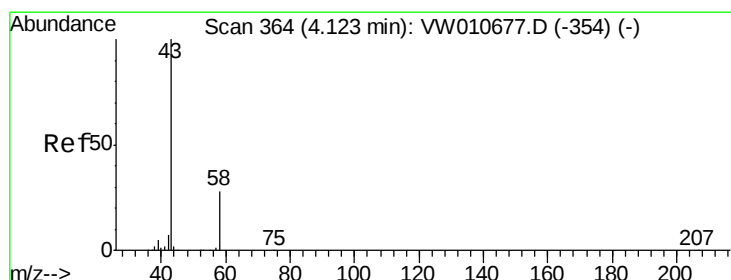
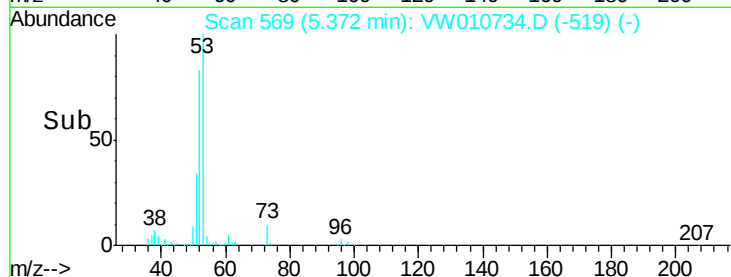
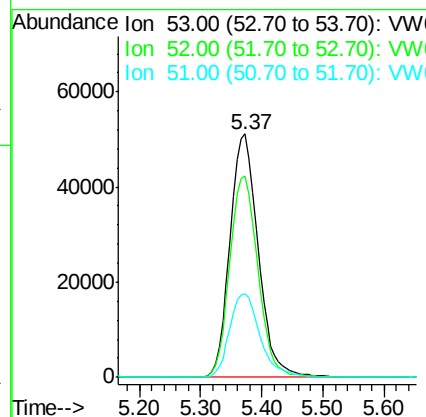
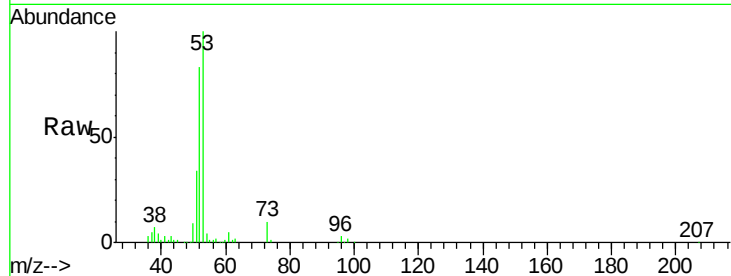
#15
 Acrylonitrile
 Concen: 242.070 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	100.0
51	37.0	29.8	44.8

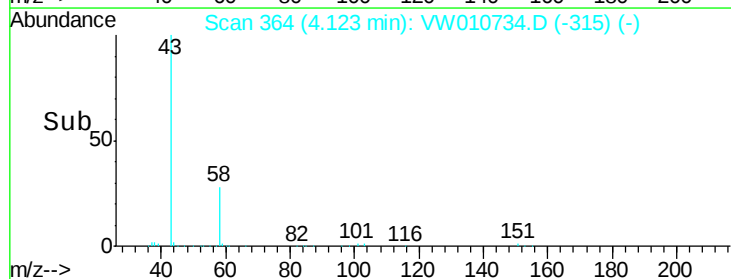
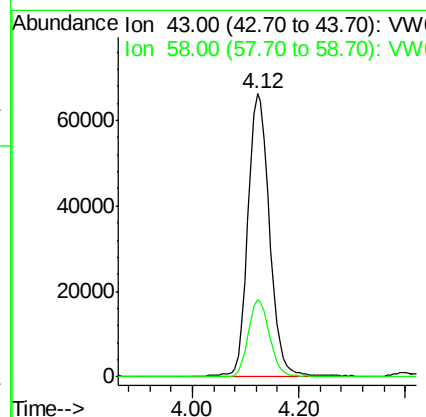
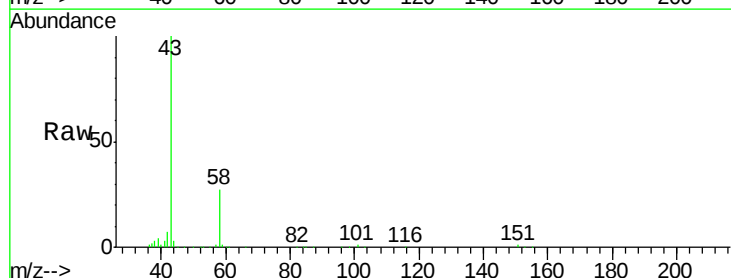
Manual Integrations
 APPROVED

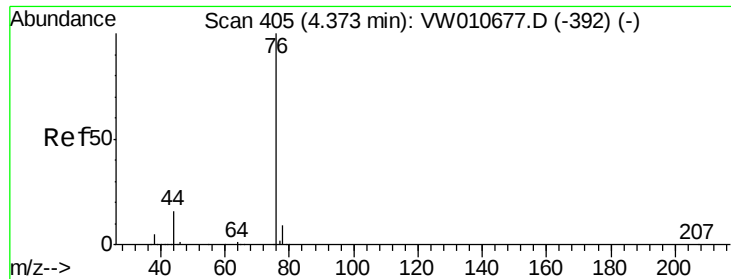
MMDadoda
 6/10/2019 12:24:52 PM



#16
 Acetone
 Concen: 245.929 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.1	33.1





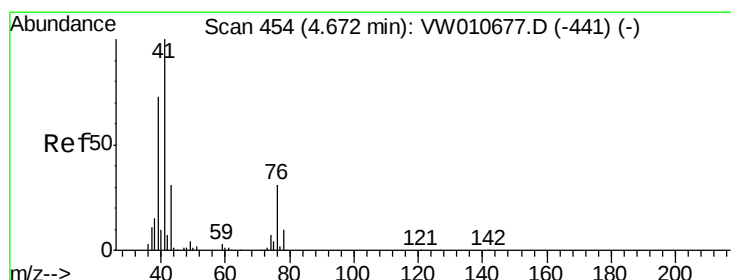
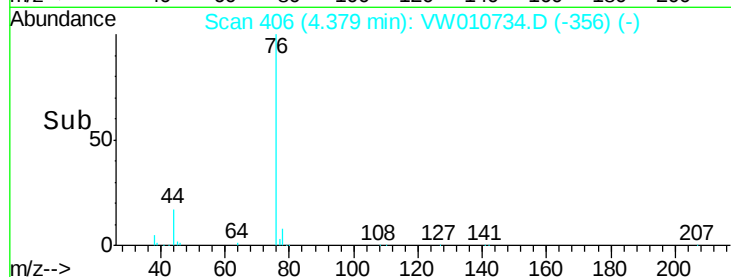
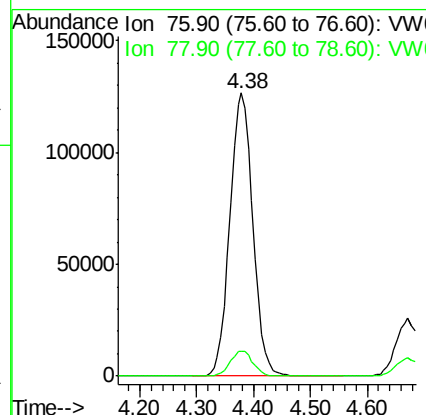
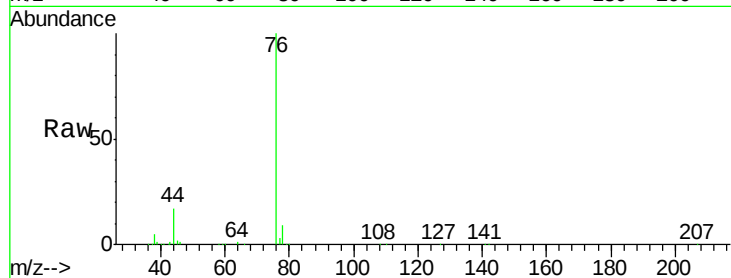
#17
Carbon Disulfide
Concen: 48.748 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

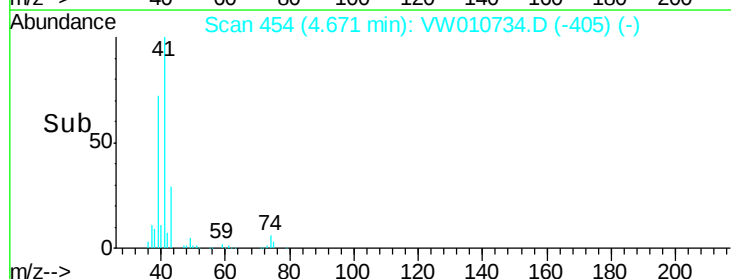
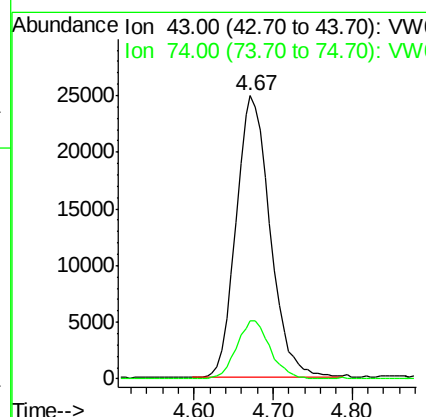
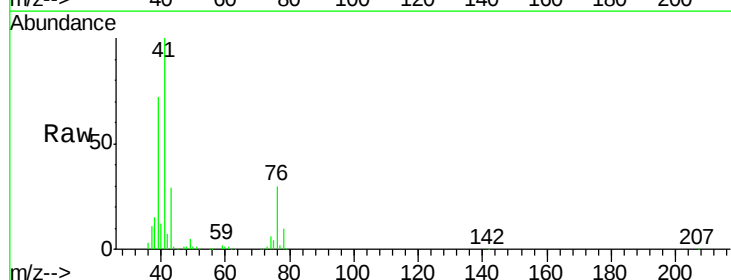
Manual Integrations
APPROVED

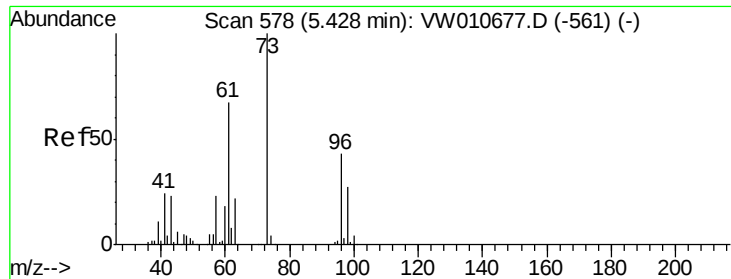
MMDadoda
6/10/2019 12:24:52 PM



#18
Methyl Acetate
Concen: 46.246 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.7	25.1





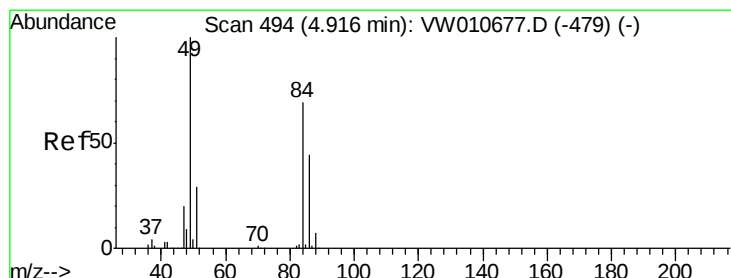
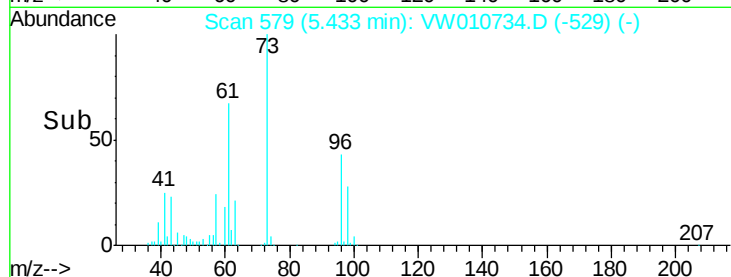
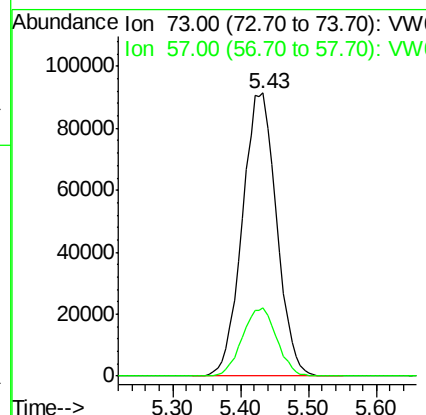
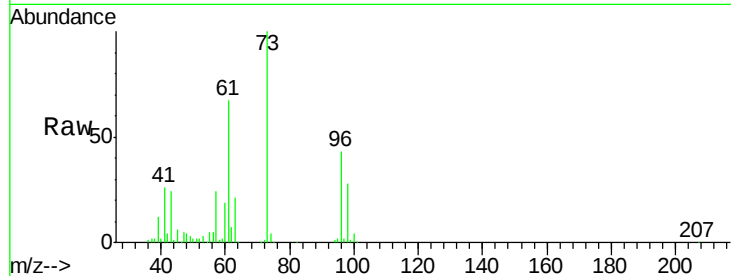
#19
Methvl tert-butvl Ether
Concen: 48.306 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 320786
Ion Ratio Lower Upper
73 100
57 24.2 18.6 27.8

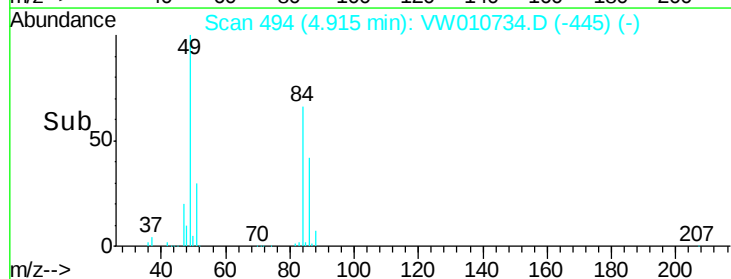
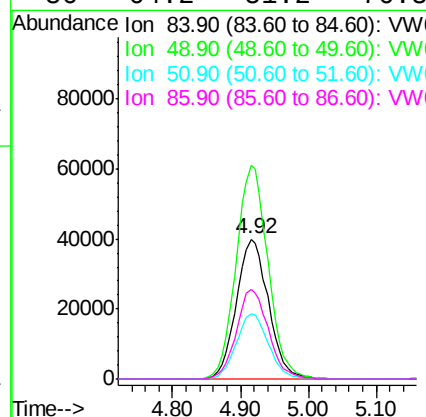
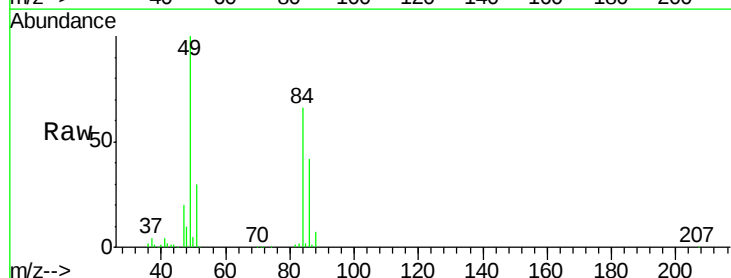
Manual Integrations
APPROVED

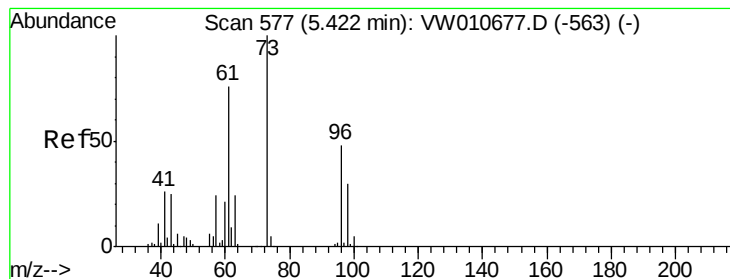
MMDadoda
6/10/2019 12:24:52 PM



#20
Methylene Chloride
Concen: 49.591 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion: 84 Resp: 130816
Ion Ratio Lower Upper
84 100
49 152.5 116.7 175.1
51 46.4 34.2 51.2
86 64.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 49.330 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 128939

Ion Ratio Lower Upper

96 100

61 165.2 126.0 189.0

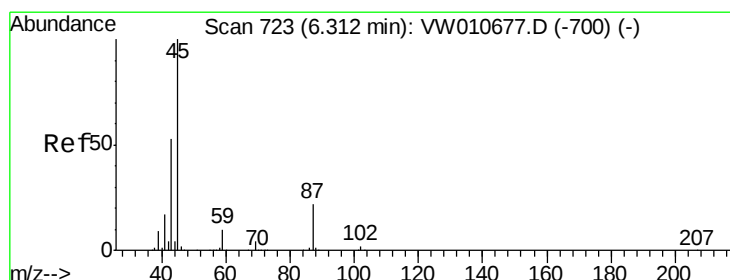
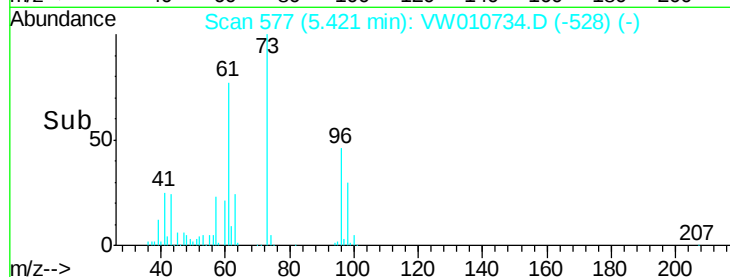
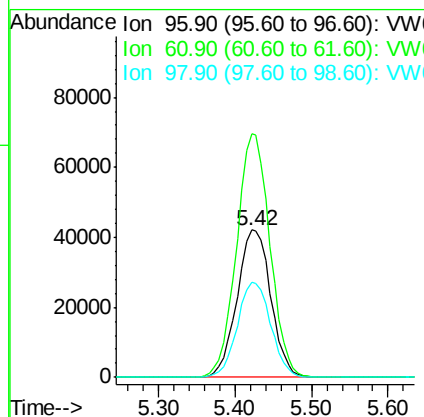
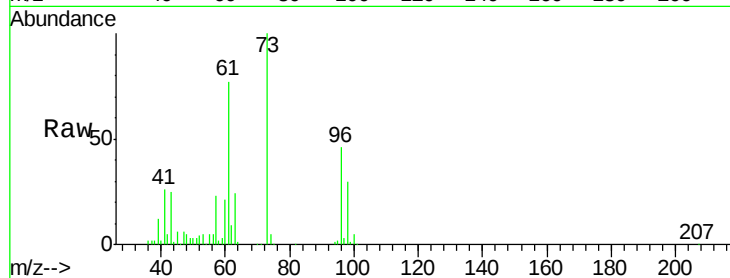
98 64.3 49.6 74.4

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#22

Diisopropyl ether

Concen: 51.107 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion: 45 Resp: 519450

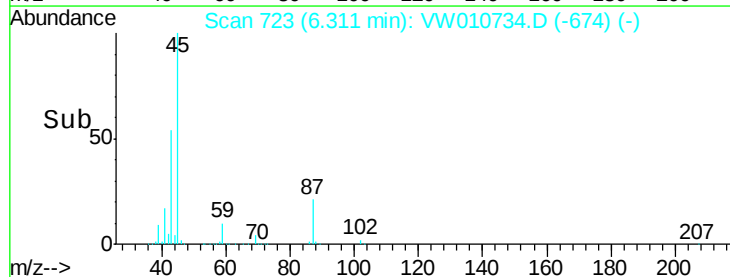
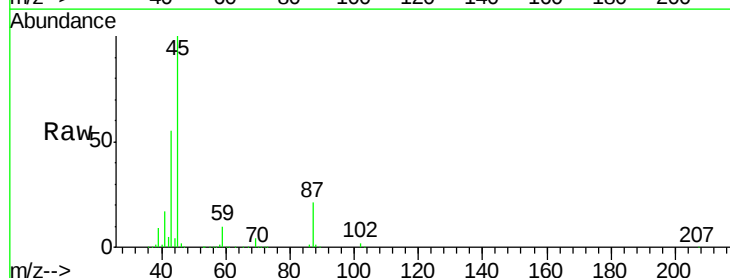
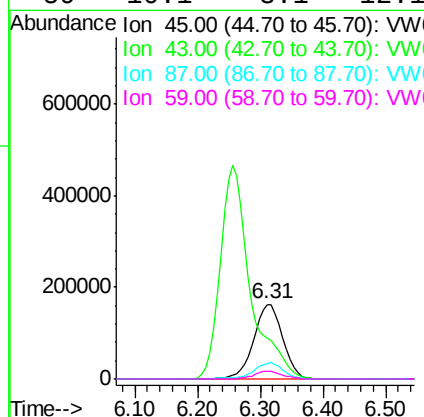
Ion Ratio Lower Upper

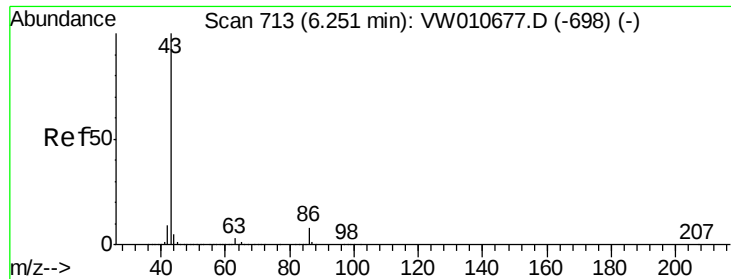
45 100

43 54.4 42.5 63.7

87 21.1 17.4 26.2

59 10.1 8.1 12.1





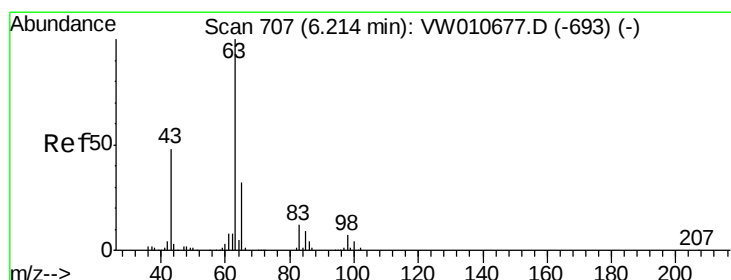
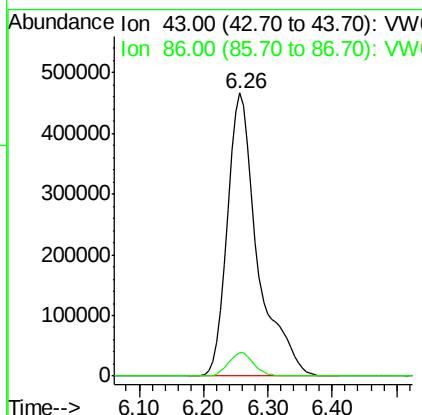
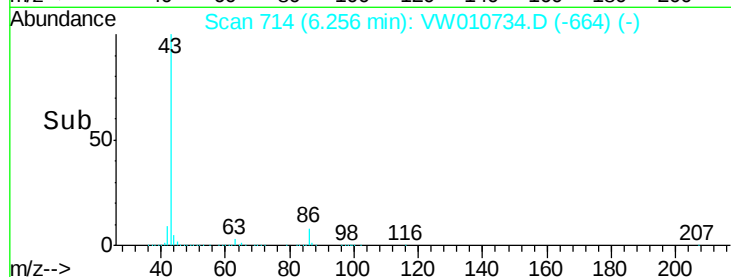
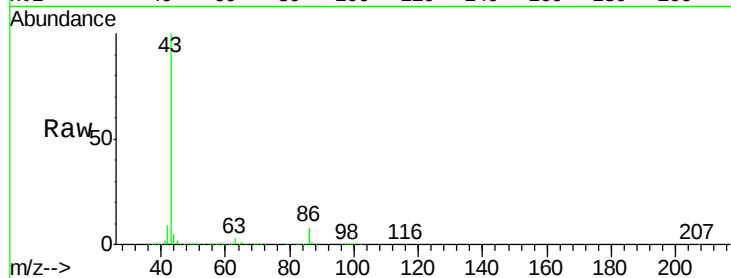
#23
 Vinyl Acetate
 Concen: 250.942 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1539262
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

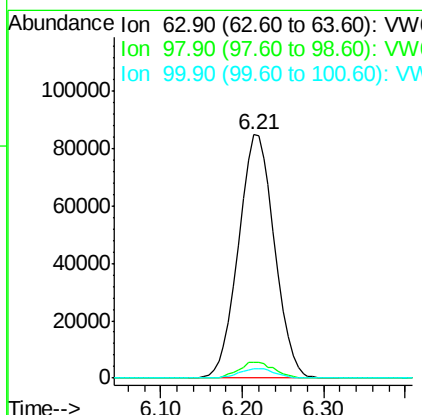
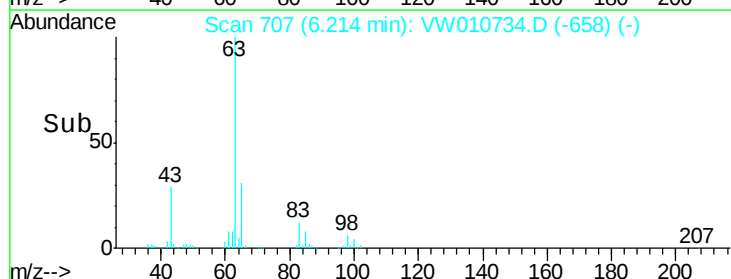
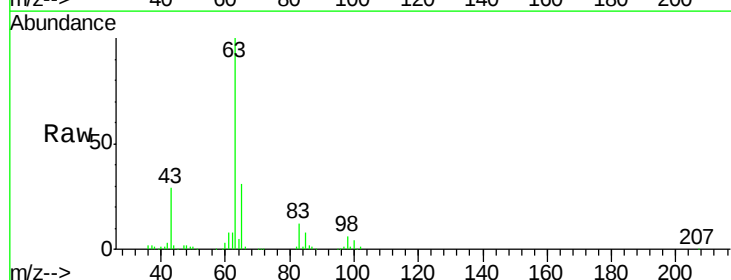
Manual Integrations
 APPROVED

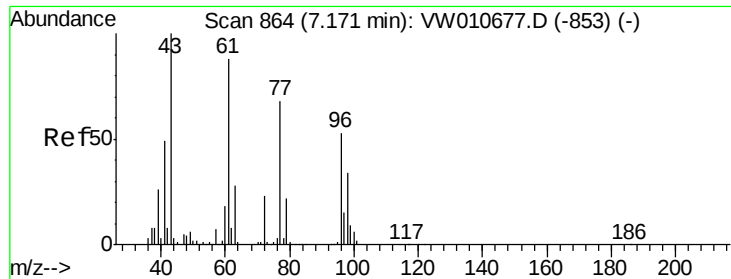
MMDadoda
 6/10/2019 12:24:52 PM



#24
 1,1-Dichloroethane
 Concen: 51.108 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion: 63 Resp: 260323
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 3.6 2.1 6.3





#25

2-Butanone

Concen: 240.263 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 250516

Ion Ratio Lower Upper

43 100

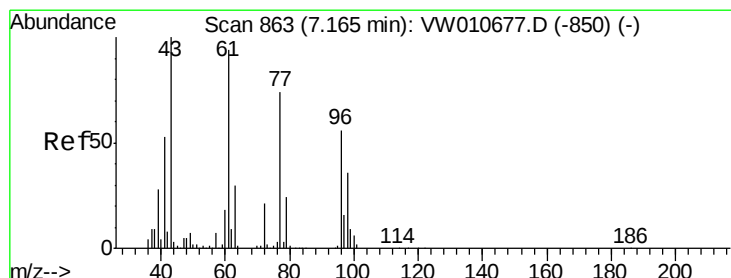
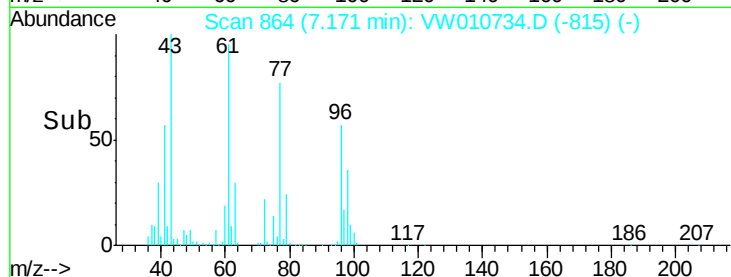
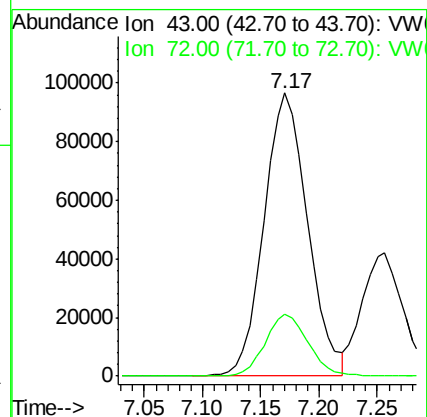
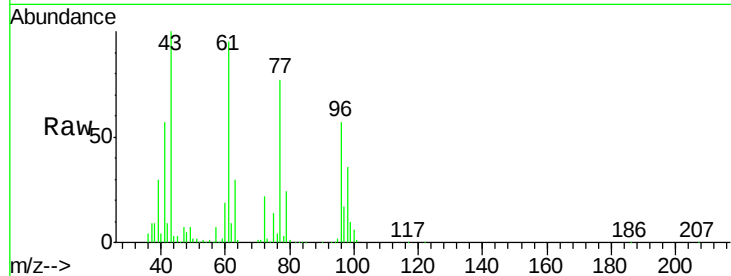
72 22.0 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#26

2,2-Dichloropropane

Concen: 52.641 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW010734.D

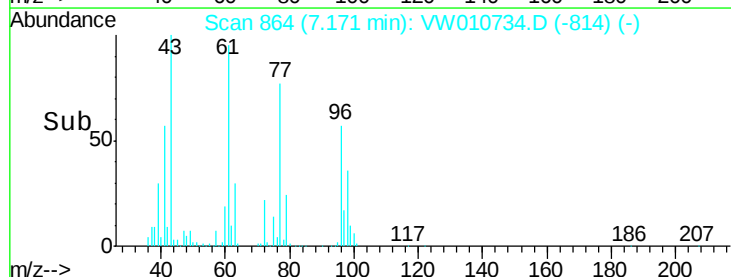
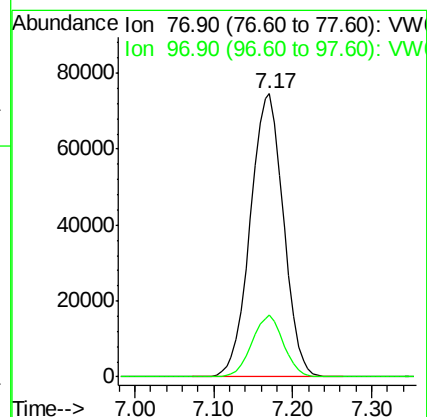
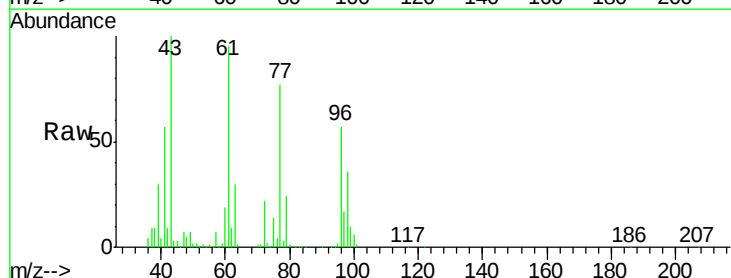
Acq: 07 Jun 2019 17:35

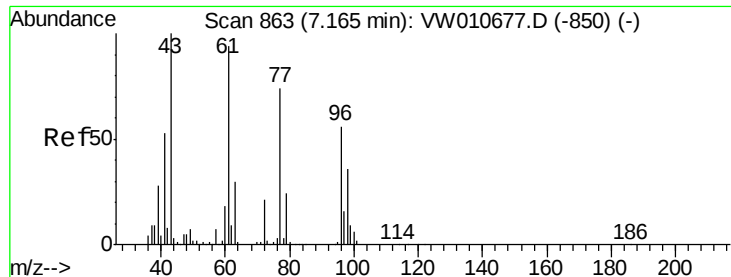
Tgt Ion: 77 Resp: 218187

Ion Ratio Lower Upper

77 100

97 20.6 10.5 31.6





#27

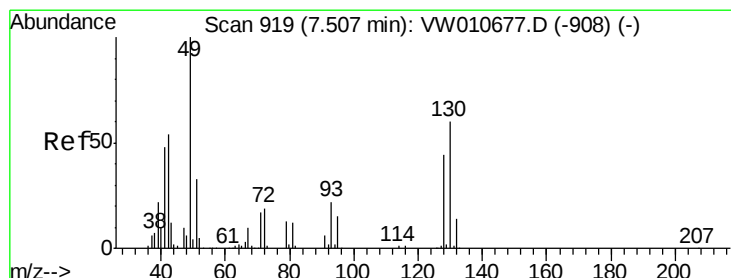
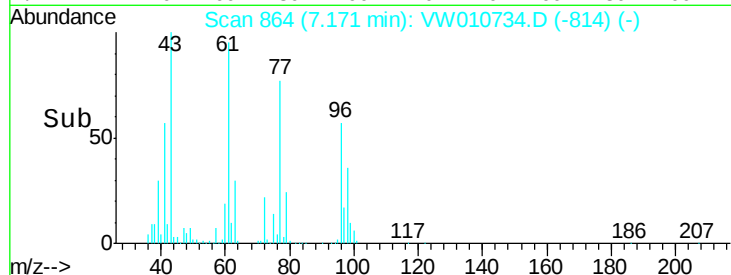
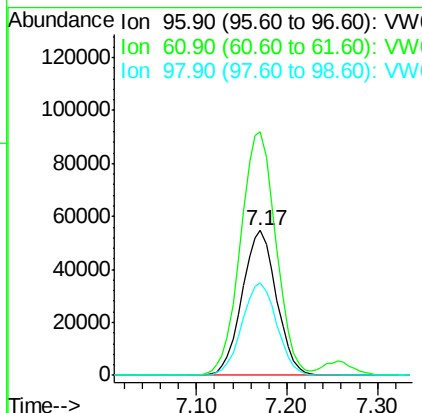
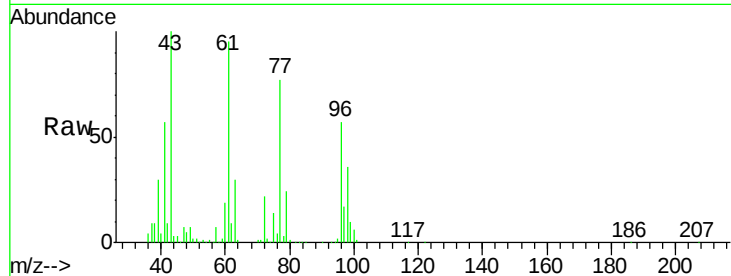
cis-1,2-Dichloroethene
Concen: 49.905 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.3	0.0	336.4
98	64.8	0.0	128.0

Manual Integrations
APPROVED

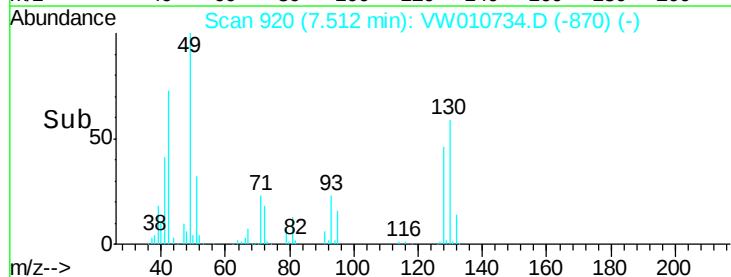
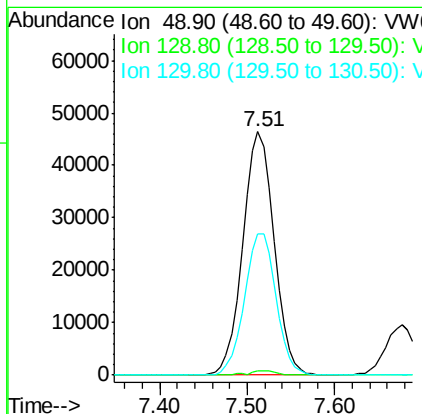
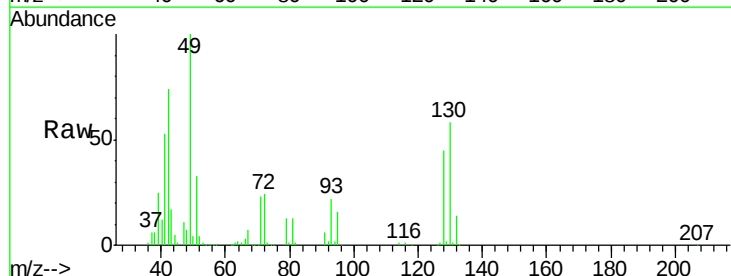
MMDadoda
6/10/2019 12:24:52 PM

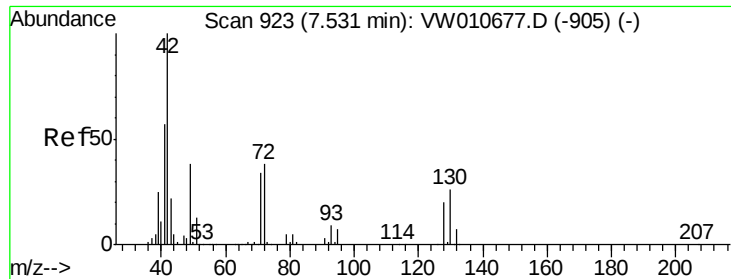


#28

Bromochloromethane
Concen: 50.751 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	58.4	48.3	72.5





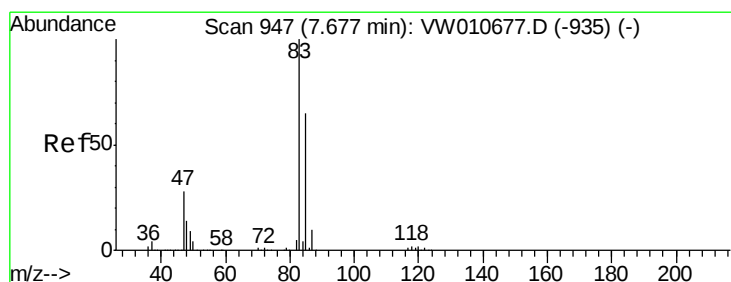
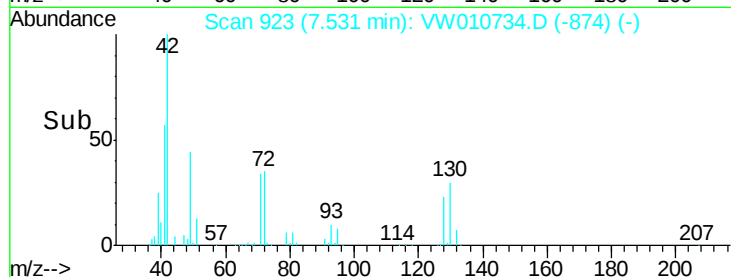
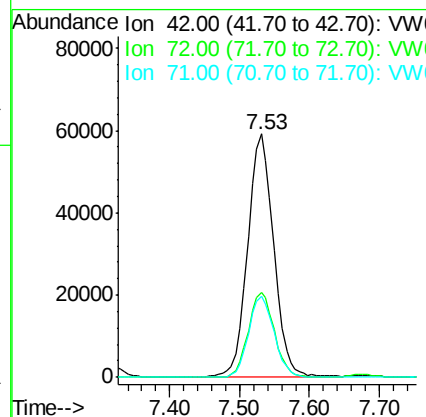
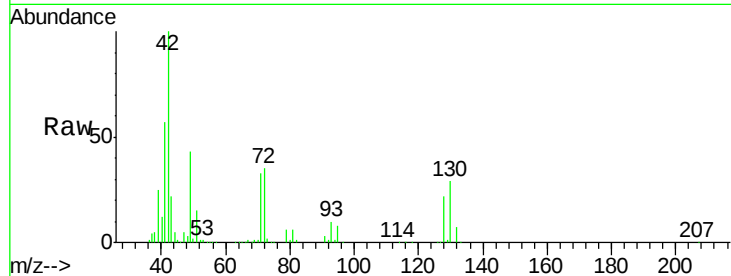
#29
Tetrahydrofuran
Concen: 233.162 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	28.7	43.1
71	33.0	26.6	39.8

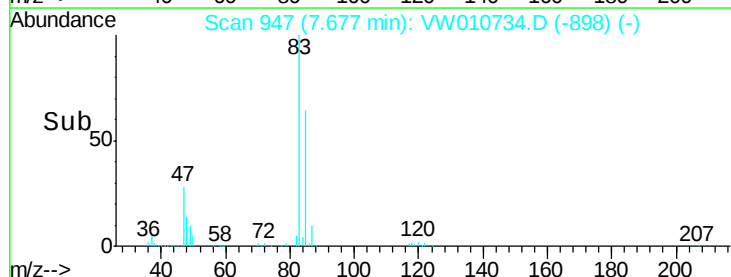
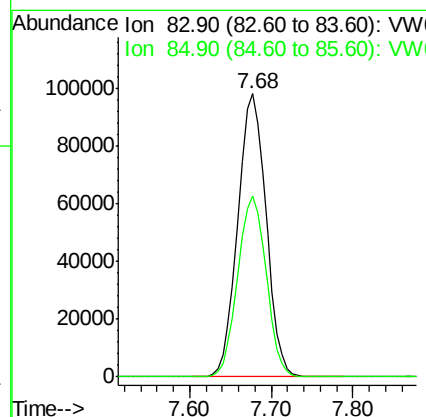
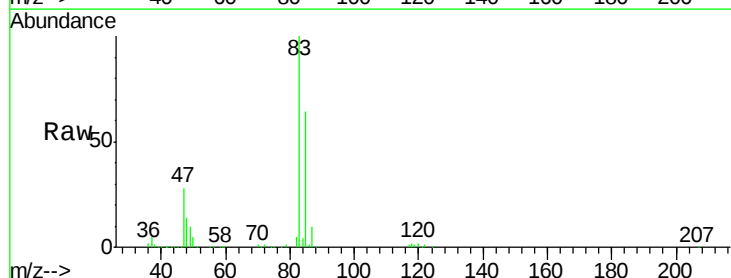
Manual Integrations
APPROVED

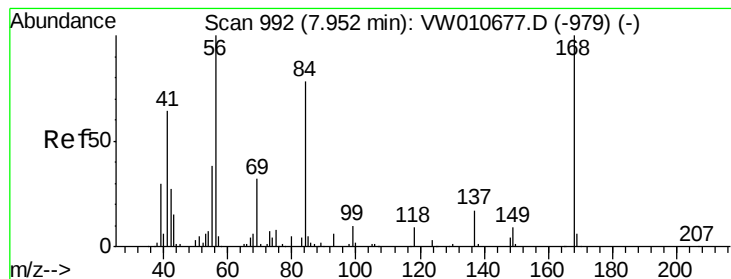
MMDadoda
6/10/2019 12:24:52 PM



#30
Chloroform
Concen: 50.558 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8





#31

Cyclohexane

Concen: 47.973 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 271632

Ion Ratio Lower Upper

56 100

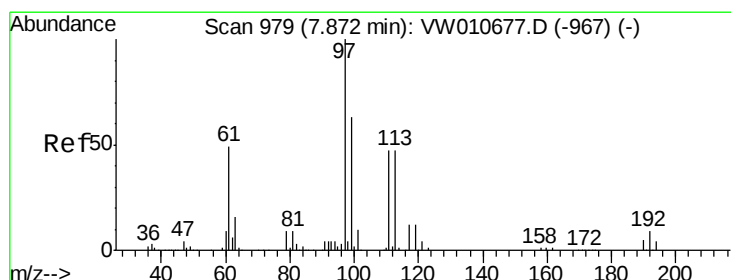
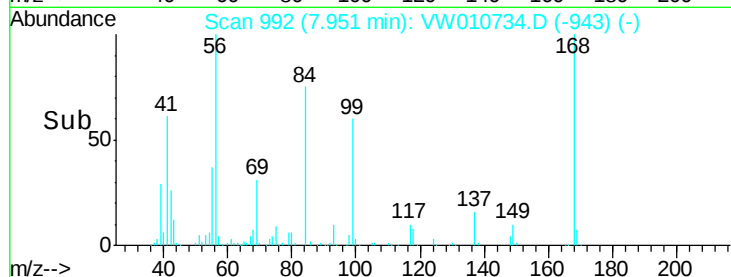
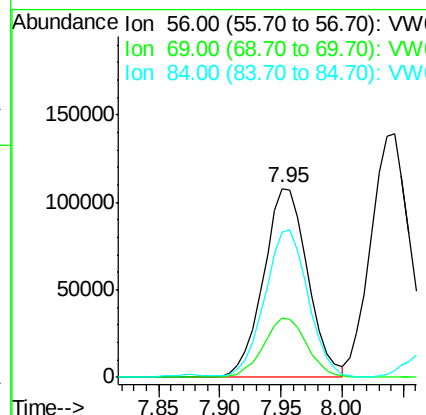
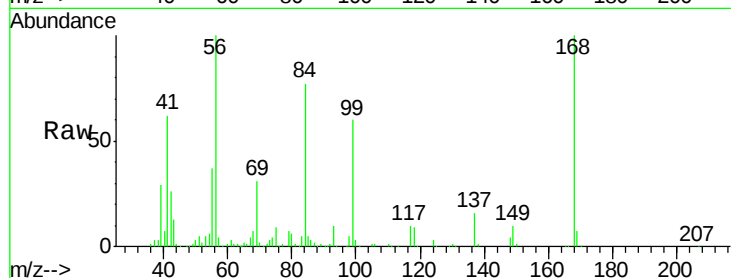
69 31.4 25.2 37.8

84 75.7 62.2 93.2

Manual Integrations
APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#32

1,1,1-Trichloroethane

Concen: 51.457 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

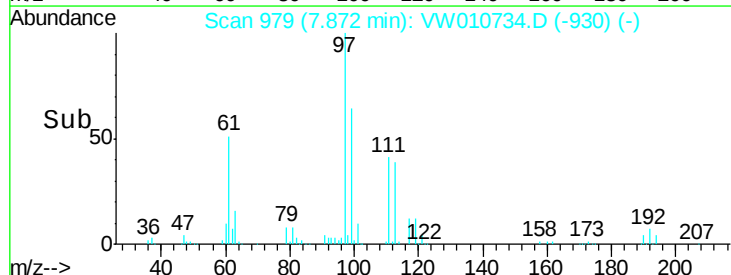
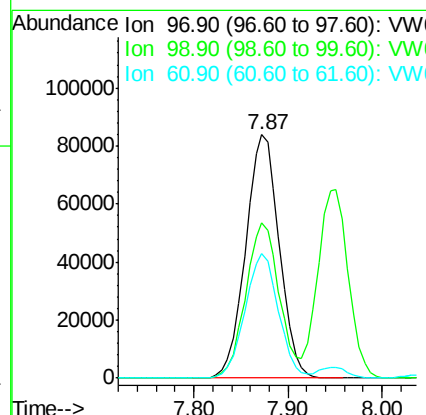
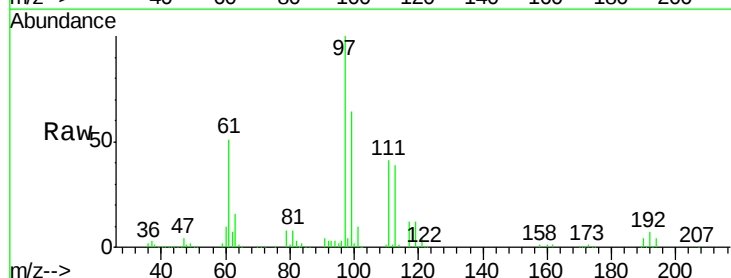
Tgt Ion: 97 Resp: 209420

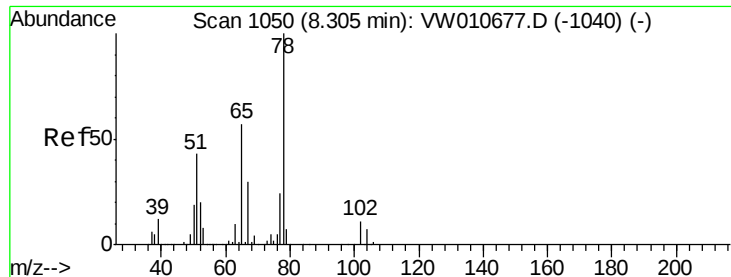
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 50.8 40.4 60.6





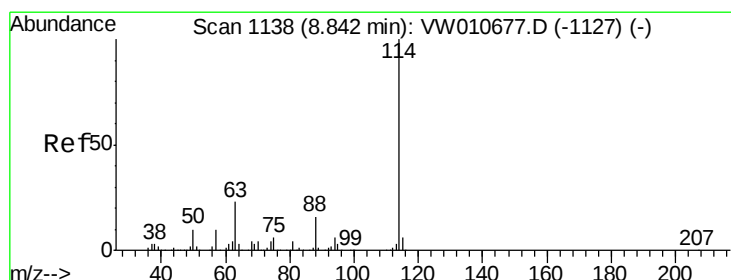
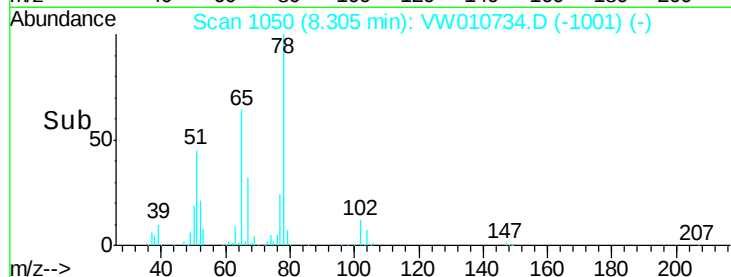
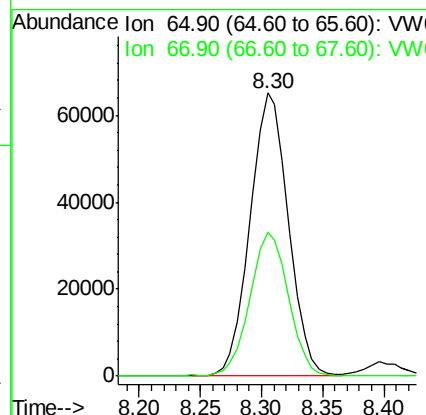
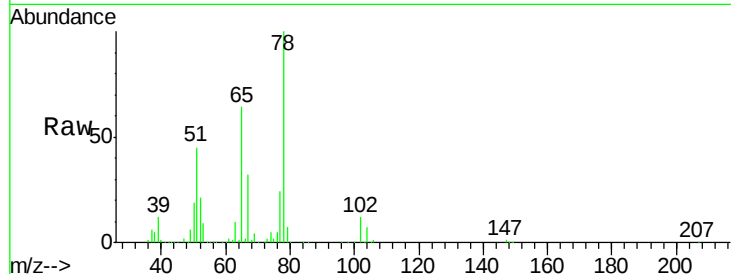
#33
 1,2-Dichloroethane-d4
 Concen: 50.547 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141850		
67	51.3	0.0	102.6	

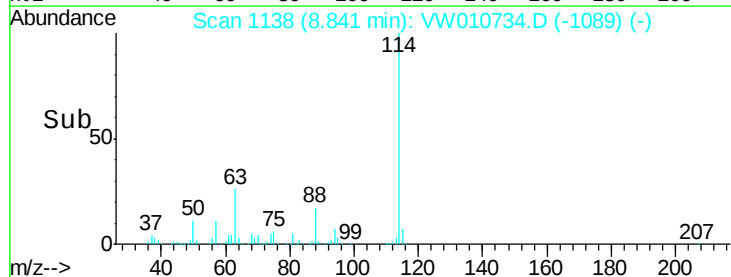
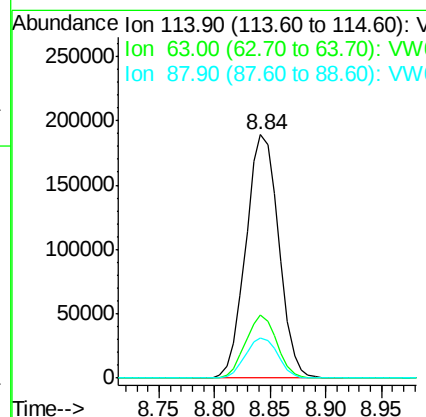
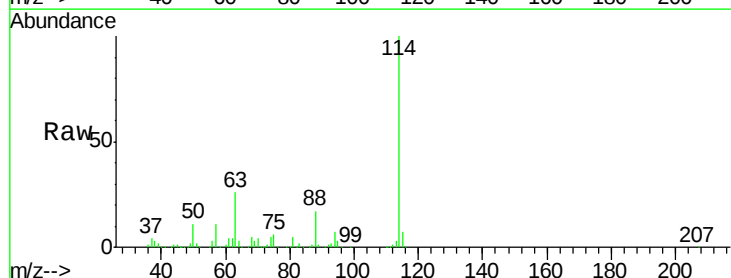
Manual Integrations
 APPROVED

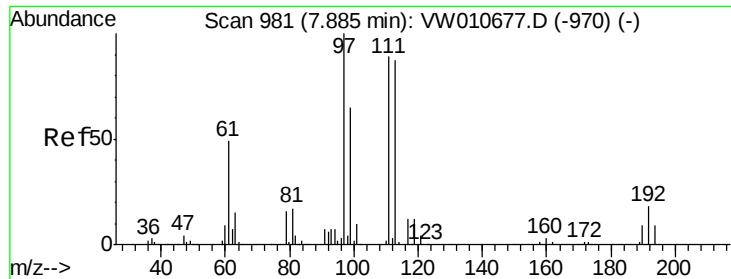
MMDadoda
 6/10/2019 12:24:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	388358		
63	25.7	0.0	46.4	
88	16.7	0.0	32.2	





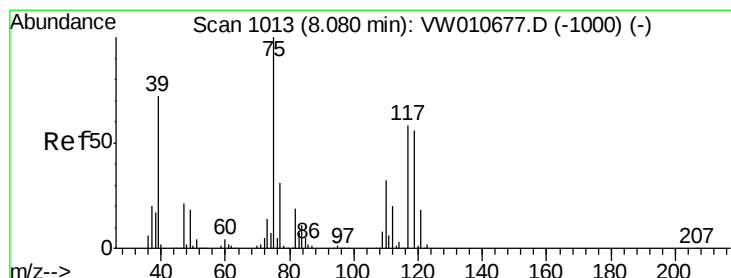
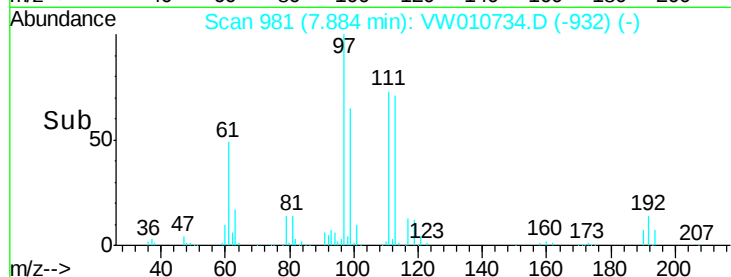
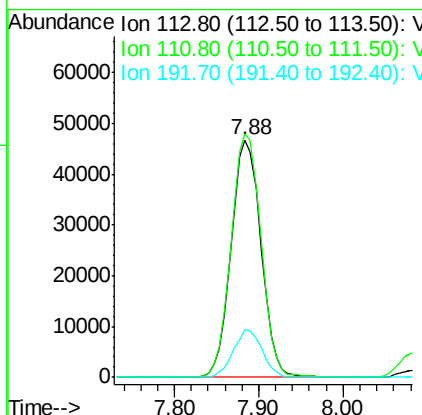
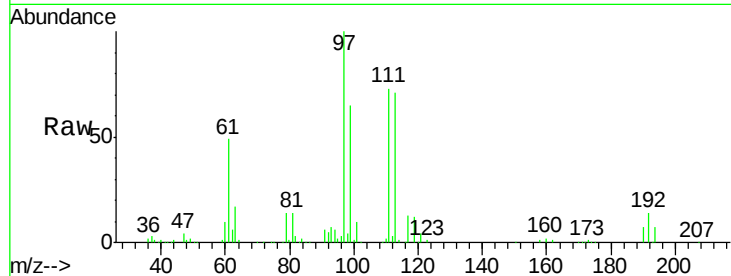
#35
 Dibromofluoromethane
 Concen: 52.931 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111574		
111	103.0	82.6	123.8	
192	19.4	16.4	24.6	

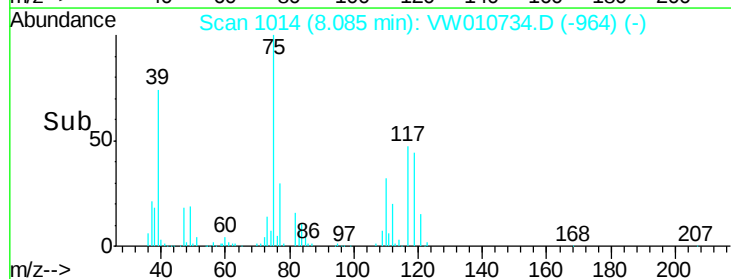
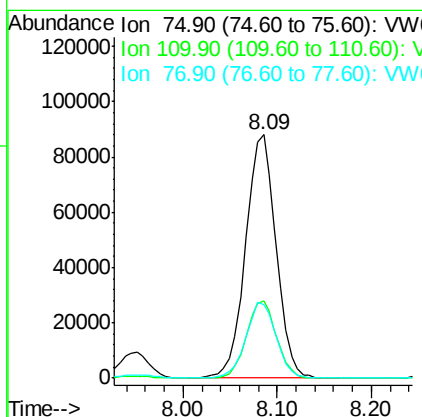
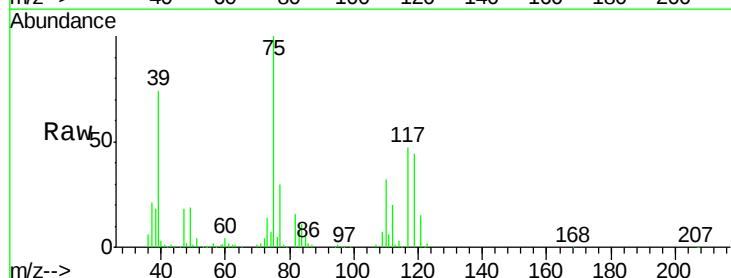
Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:24:52 PM



#36
 1,1-Dichloropropene
 Concen: 50.216 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199624		
110	31.3	15.8	47.3	
77	30.9	24.7	37.1	





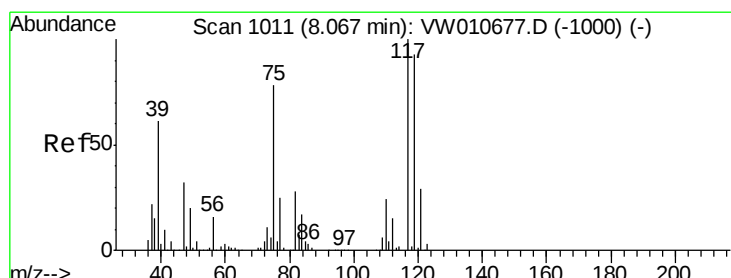
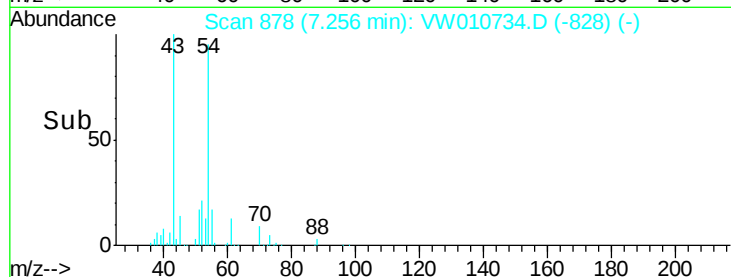
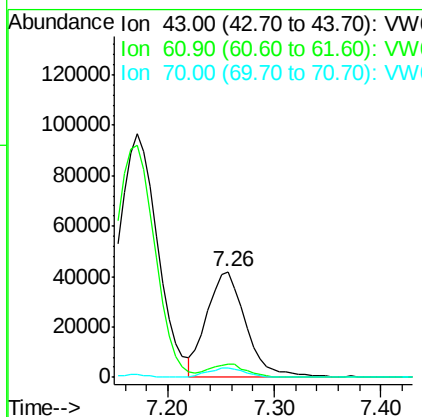
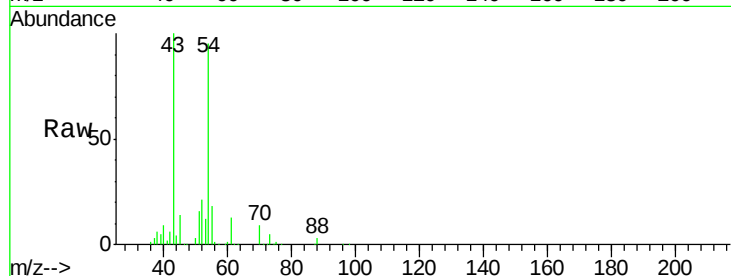
#37
Ethyl Acetate
Concen: 47.512 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.7	14.5
70	8.9	7.2	10.8

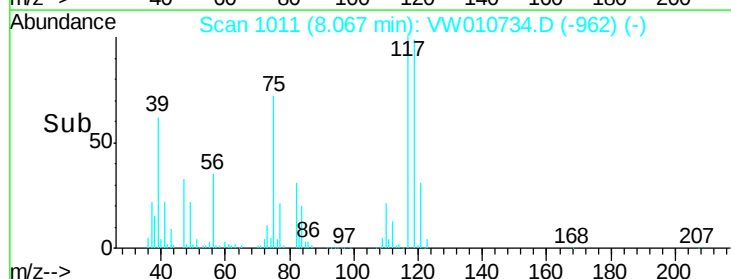
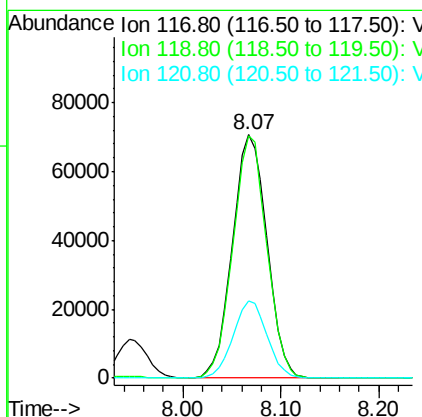
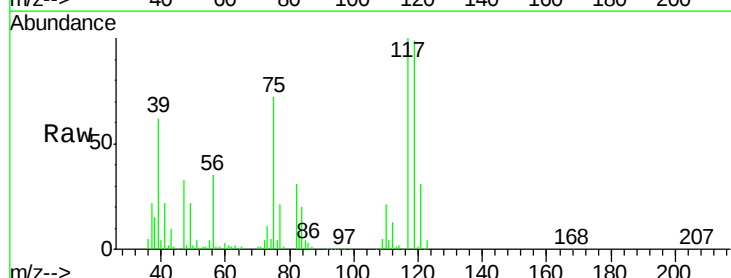
Manual Integrations
APPROVED

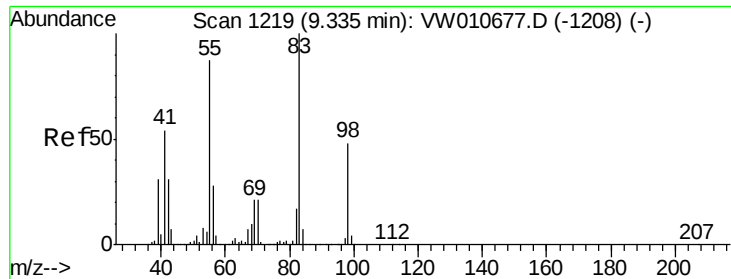
MMDadoda
6/10/2019 12:24:52 PM



#38
Carbon Tetrachloride
Concen: 50.563 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	74.2	111.4
121	31.5	22.9	34.3





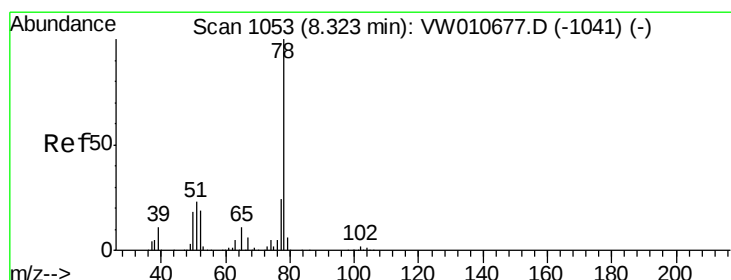
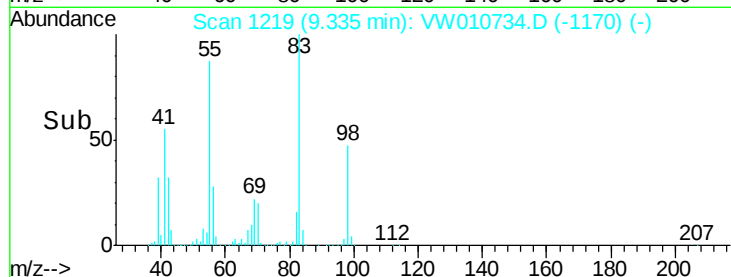
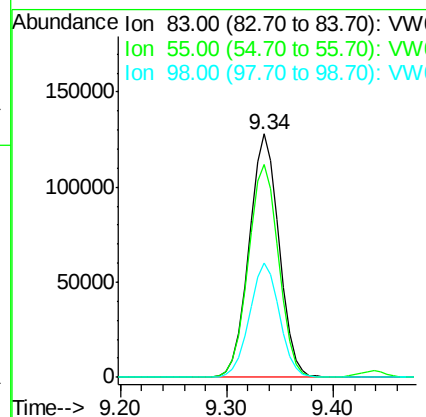
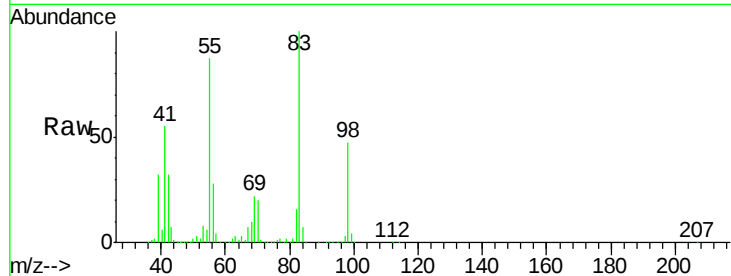
#39
Methvlcvclohexane
Concen: 49.941 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	252377
Ion Ratio	Lower	Upper	
83	100		
55	87.5	70.0	105.0
98	46.7	38.1	57.1

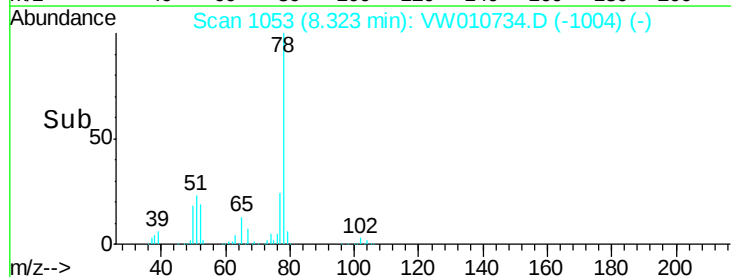
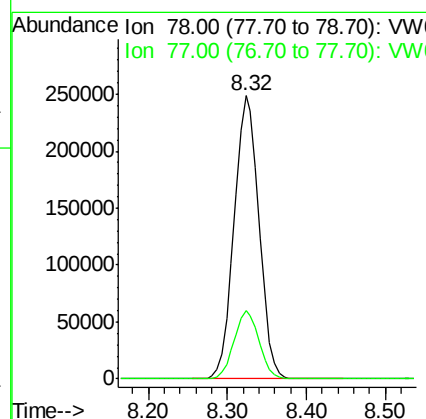
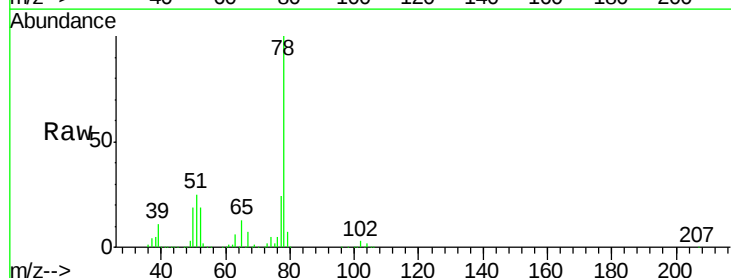
Manual Integrations
APPROVED

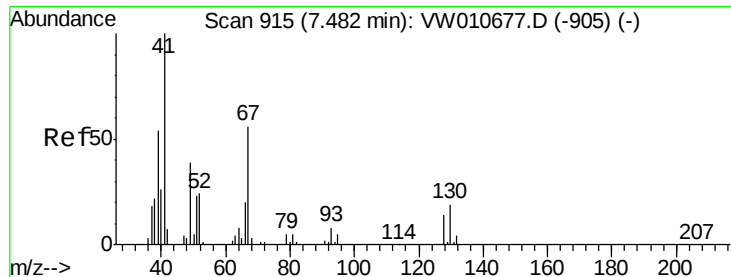
MMDadoda
6/10/2019 12:24:52 PM



#40
Benzene
Concen: 50.249 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	78	Resp	544938
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.1	28.7





#41

Methacrylonitrile

Concen: 52.510 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

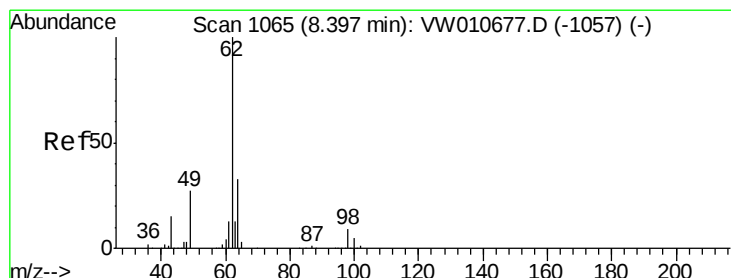
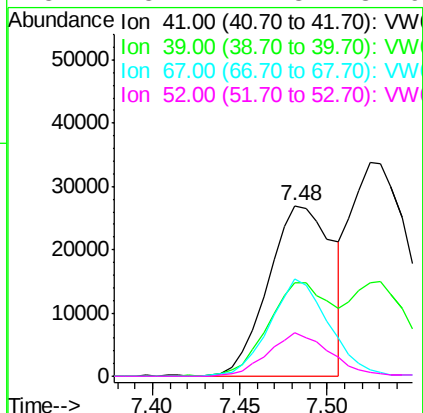
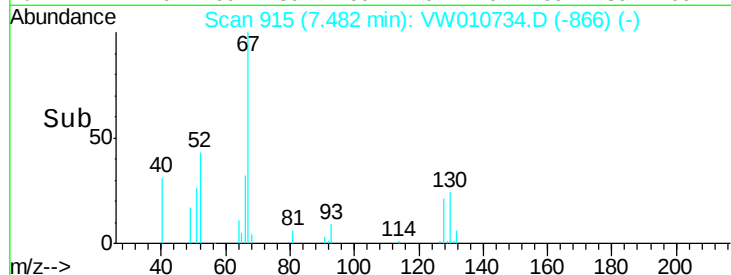
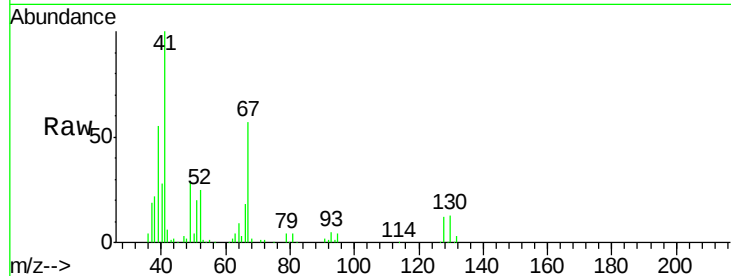
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	47.3	70.9	
67	53.2	47.2	70.8	
52	25.1	21.3	31.9	

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#42

1,2-Dichloroethane

Concen: 50.271 ug/l

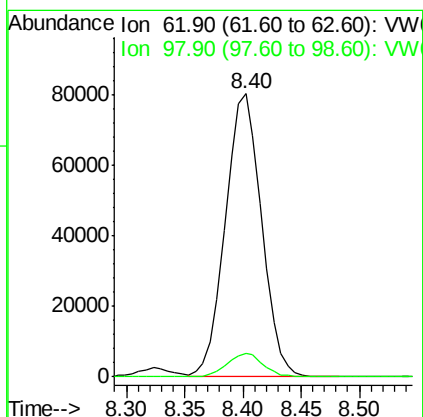
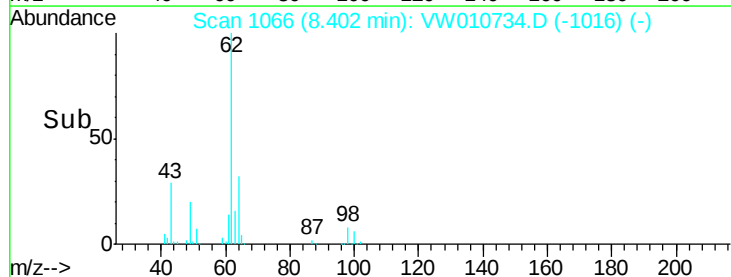
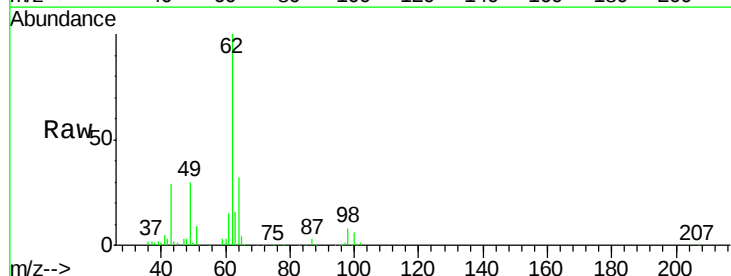
RT: 8.40 min Scan# 1066

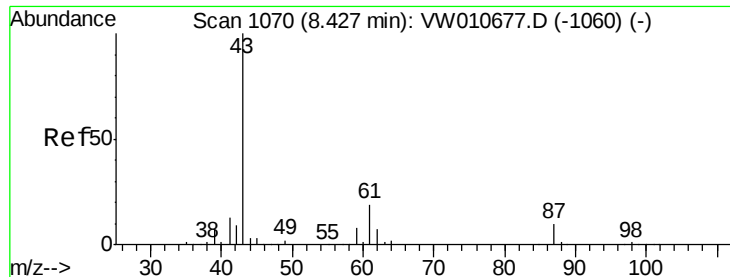
Delta R.T. 0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.2	





#43

Isopropyl Acetate

Concen: 48.092 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

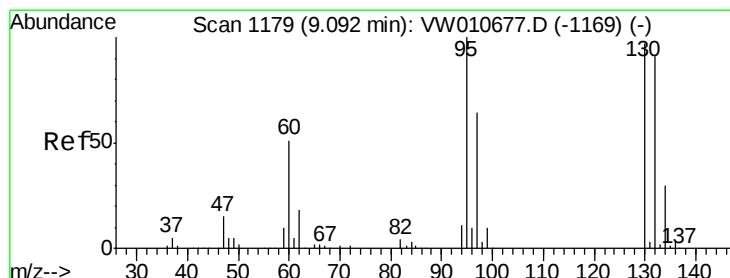
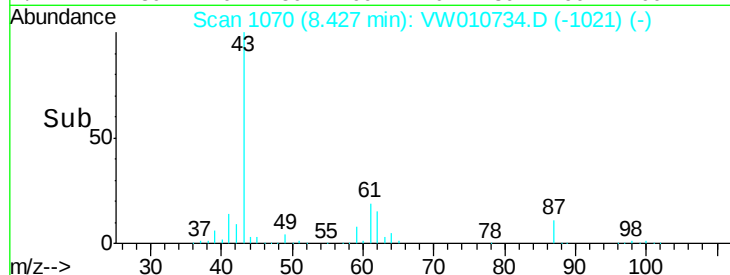
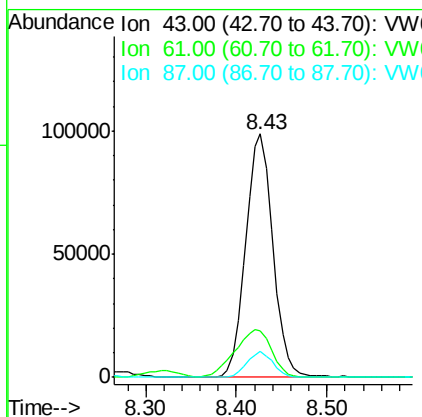
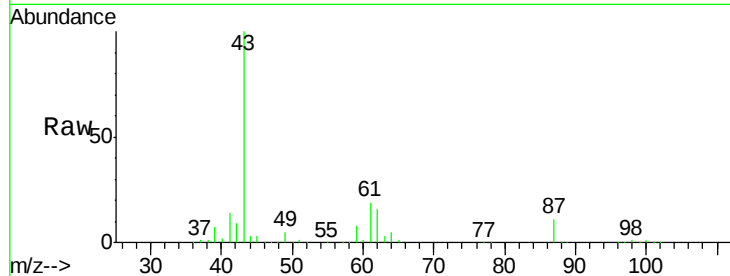
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	204671
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.2	31.8
87	10.3	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#44

Trichloroethene

Concen: 49.661 ug/l

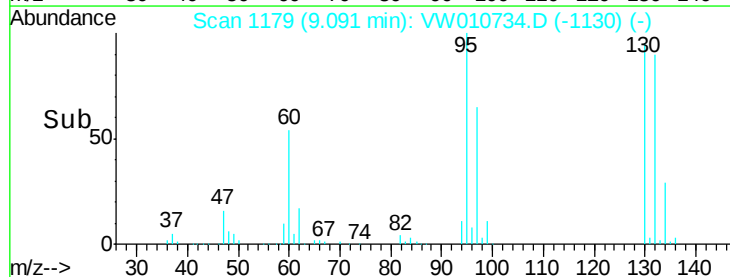
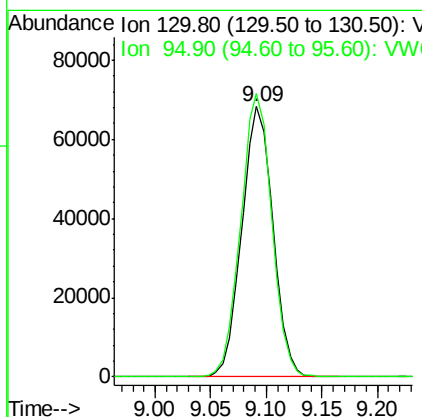
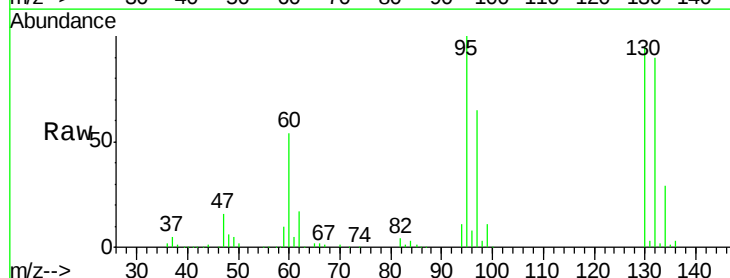
RT: 9.09 min Scan# 1179

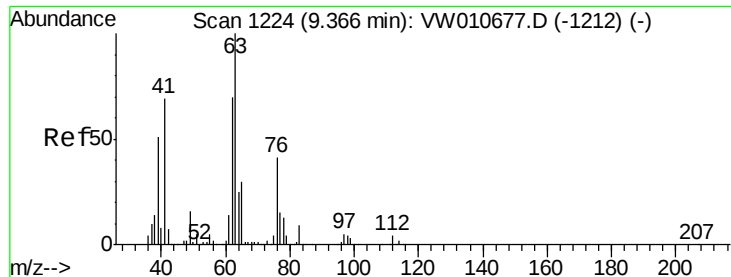
Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion:	130	Resp:	132850
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 50.712 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 145582

Ion Ratio Lower Upper

63 100

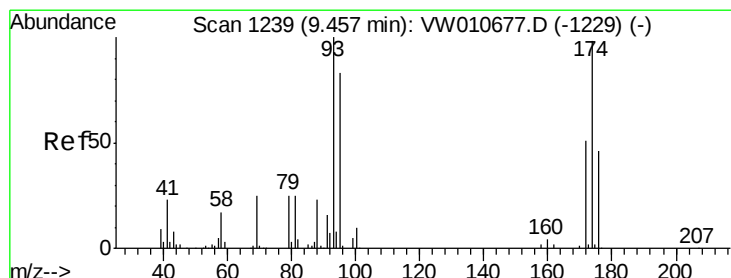
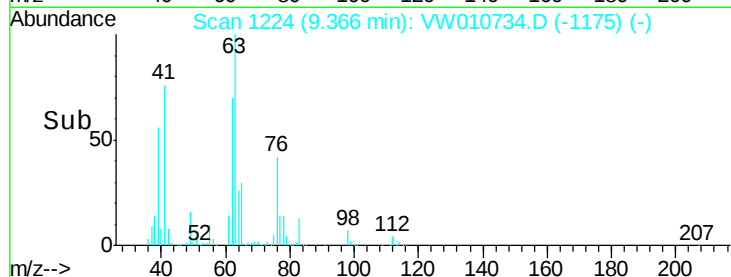
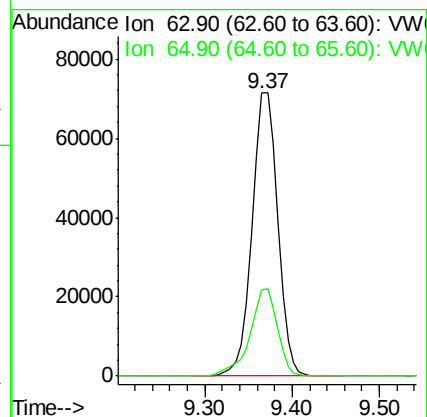
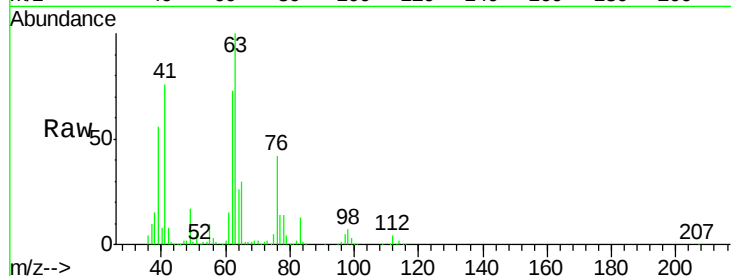
65 30.4 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#46

Dibromomethane

Concen: 49.699 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

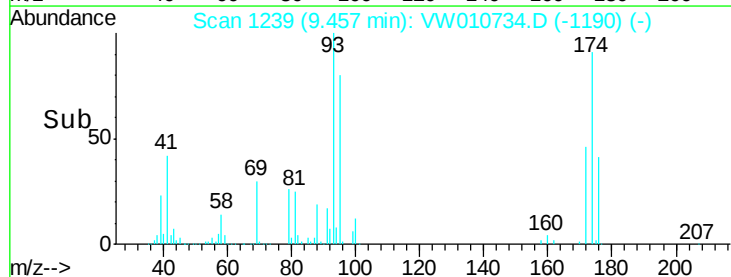
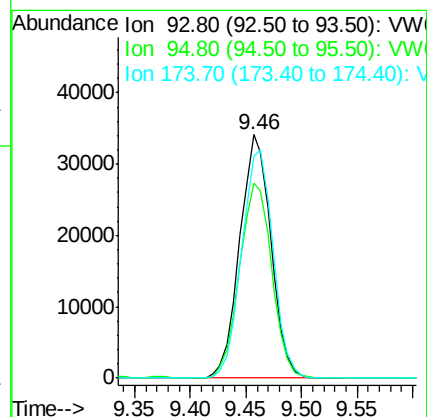
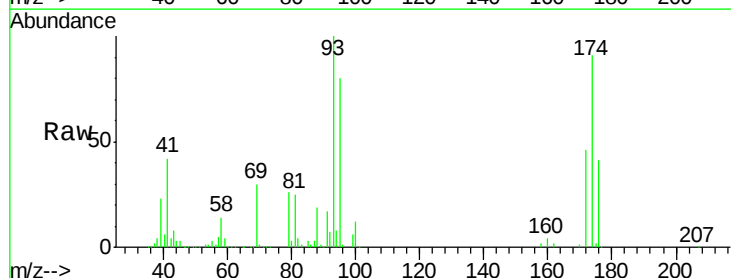
Tgt Ion: 93 Resp: 66269

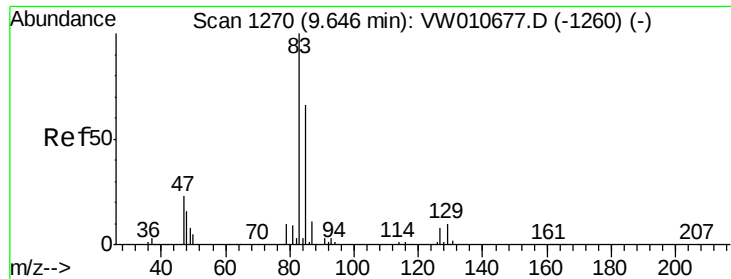
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 94.5 77.4 116.0





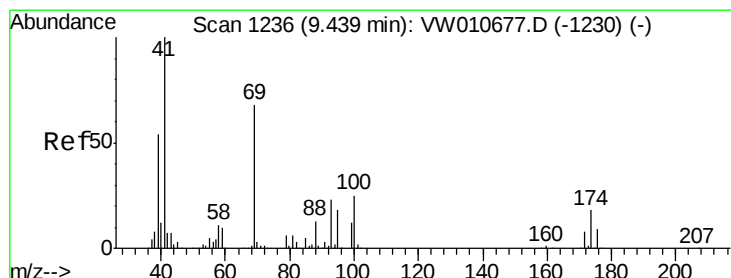
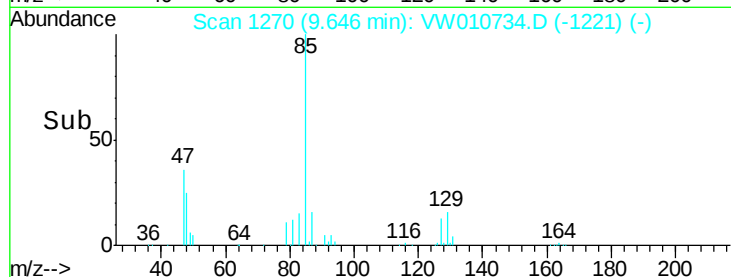
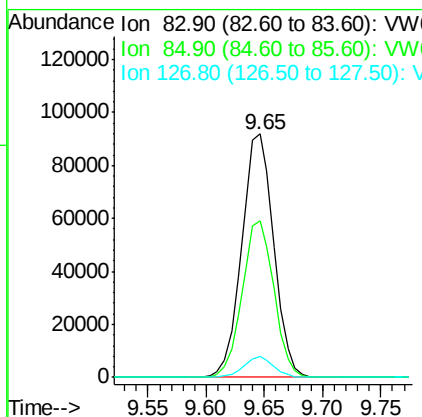
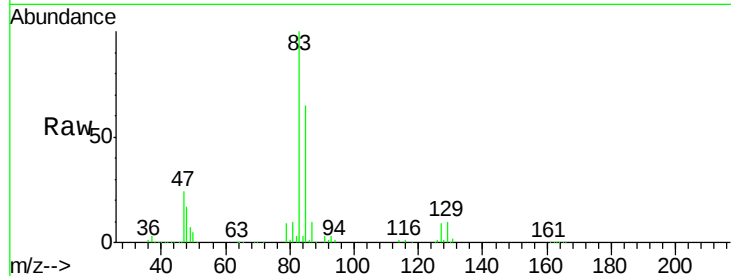
#47
Bromodichloromethane
Concen: 50.894 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175909		
85	64.5	53.0	79.4	
127	8.5	6.4	9.6	

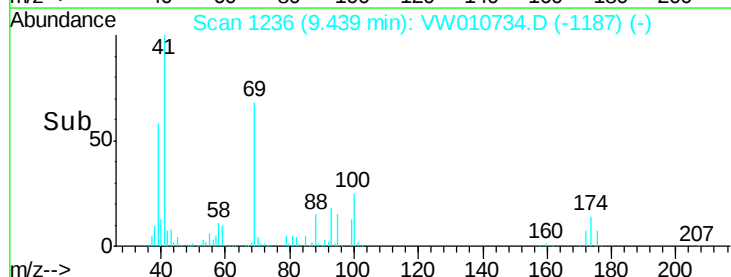
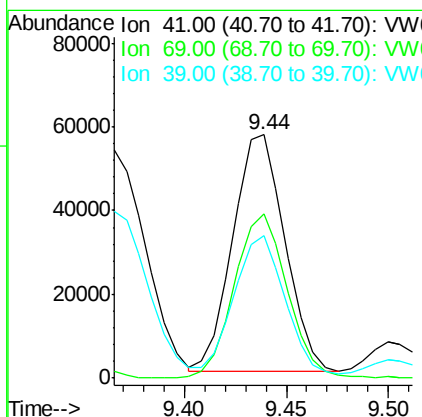
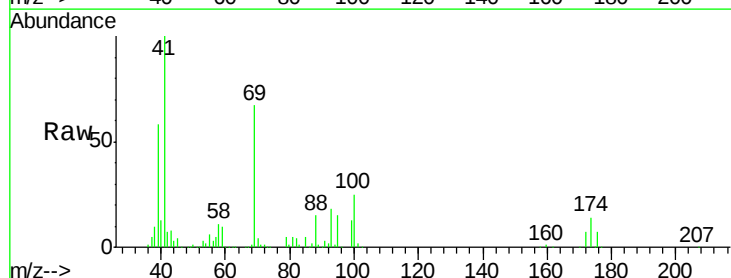
Manual Integrations
APPROVED

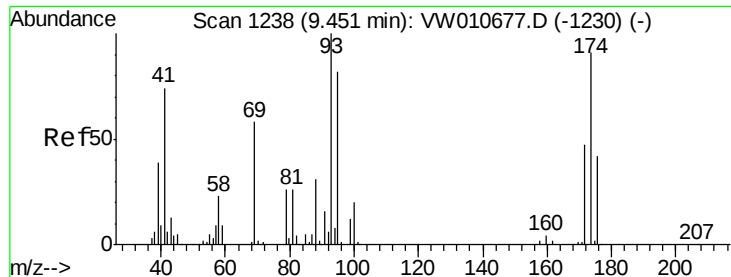
MMDadoda
6/10/2019 12:24:52 PM



#48
Methyl methacrylate
Concen: 49.014 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100573		
69	70.0	56.6	85.0	
39	56.1	44.4	66.6	





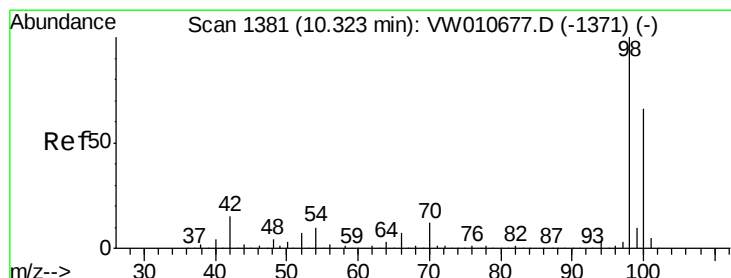
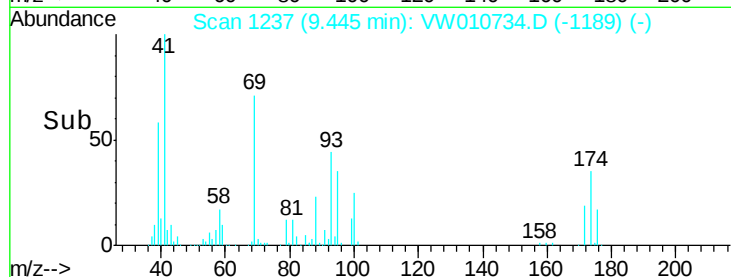
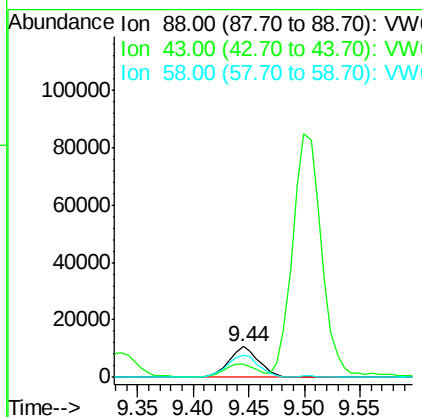
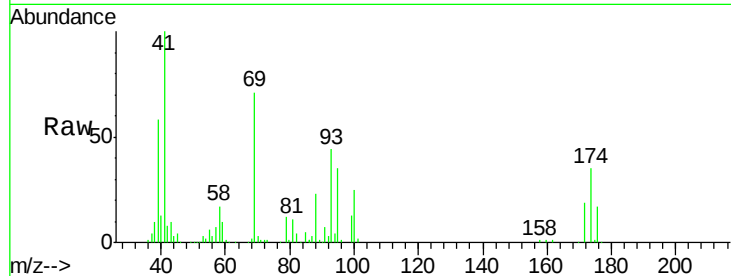
#49
1,4-Dioxane
Concen: 946.322 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.3	34.2	51.4
58	77.3	69.0	103.4

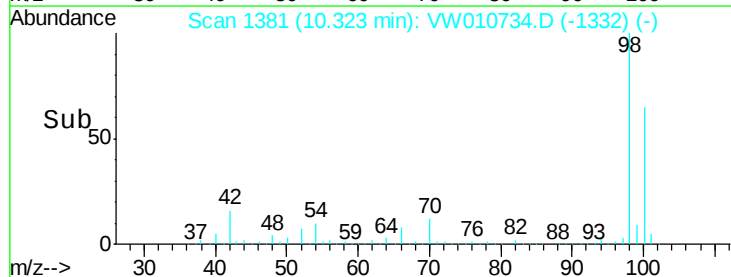
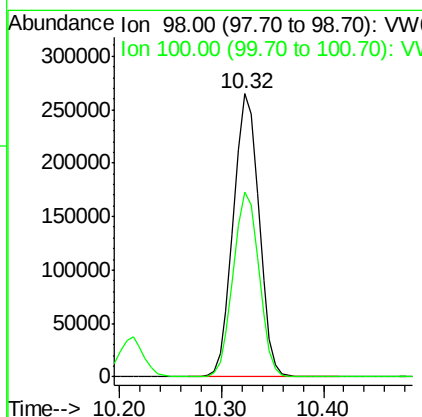
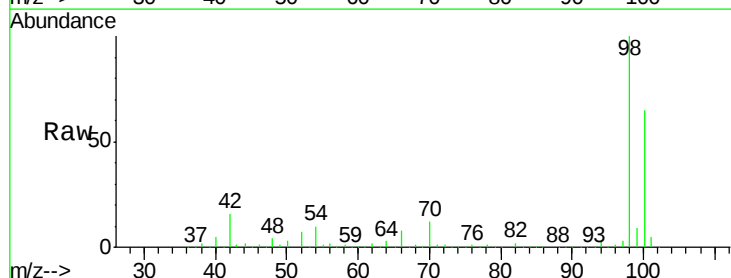
Manual Integrations
APPROVED

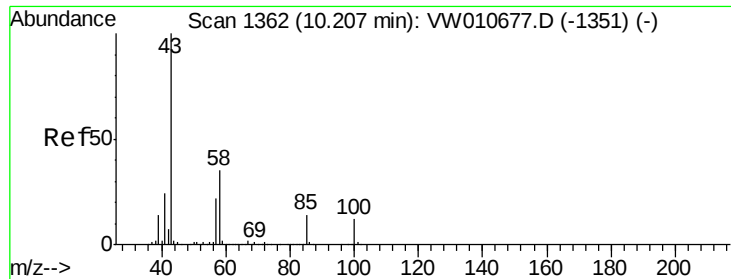
MMDadoda
6/10/2019 12:24:52 PM



#50
Toluene-d8
Concen: 49.902 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 240.675 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 523269

Ion Ratio Lower Upper

43 100

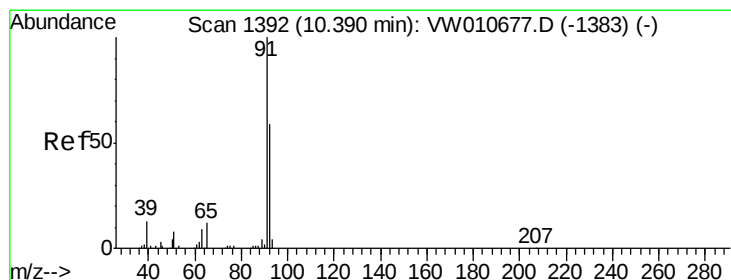
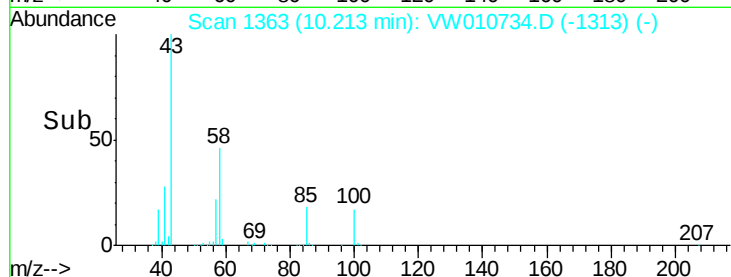
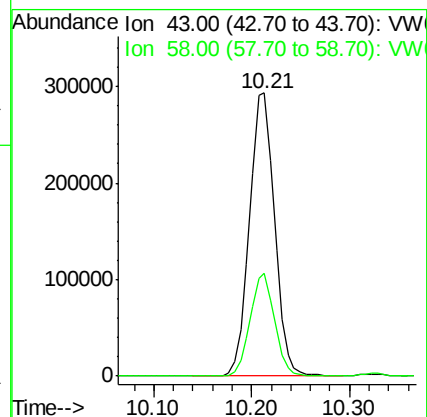
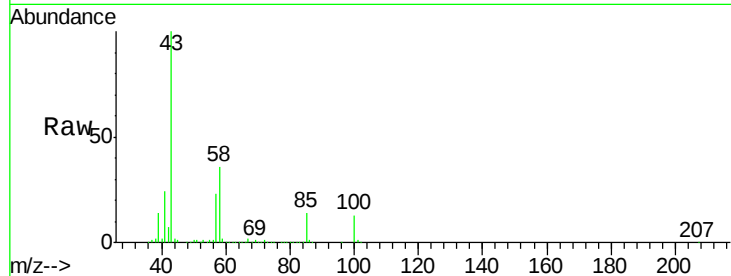
58 35.2 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#52

Toluene

Concen: 50.017 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010734.D

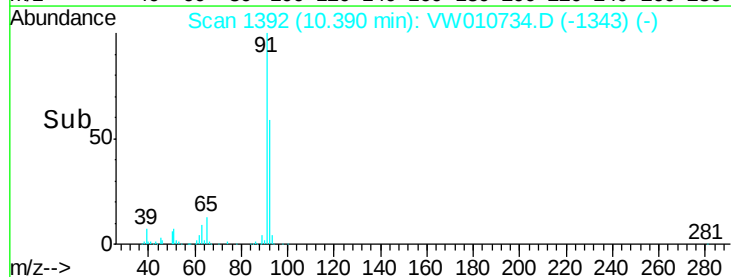
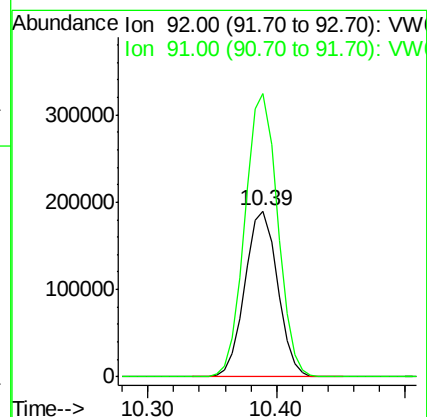
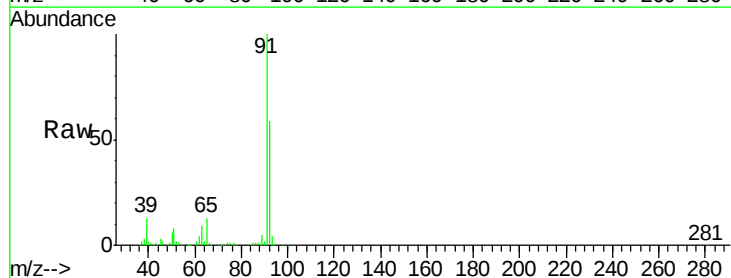
Acq: 07 Jun 2019 17:35

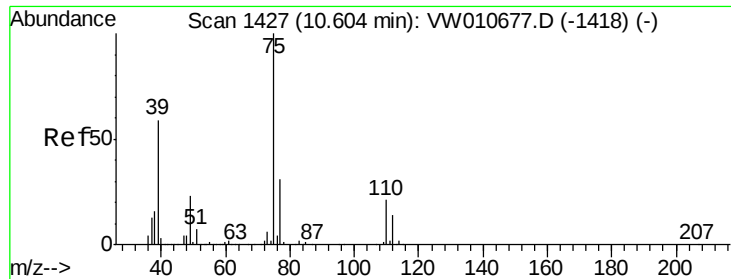
Tgt Ion: 92 Resp: 333743

Ion Ratio Lower Upper

92 100

91 170.4 134.9 202.3





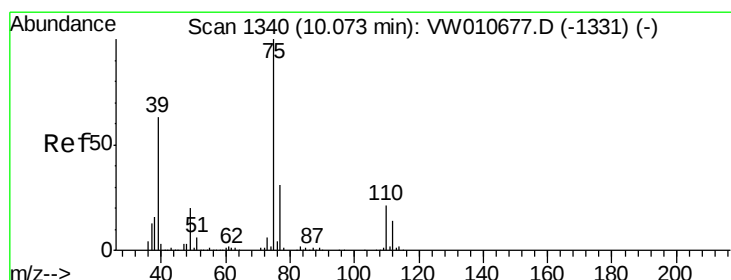
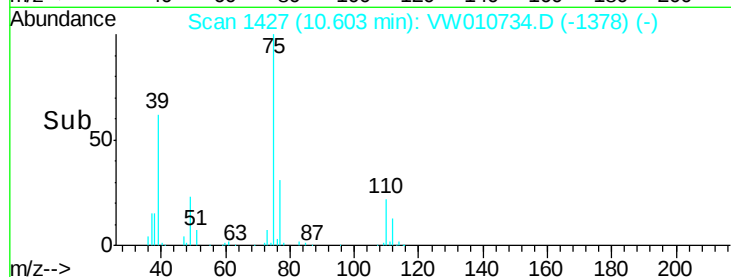
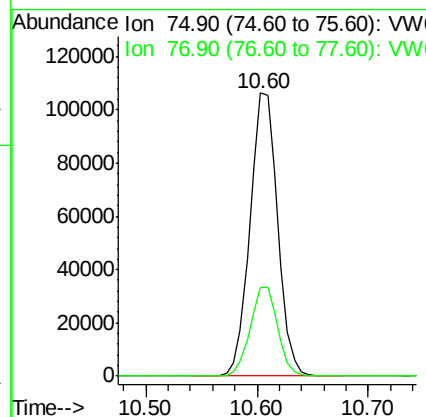
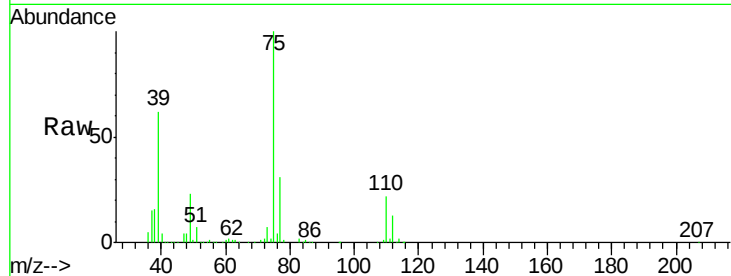
#53
t-1,3-Dichloropropene
Concen: 50.154 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.6	36.8

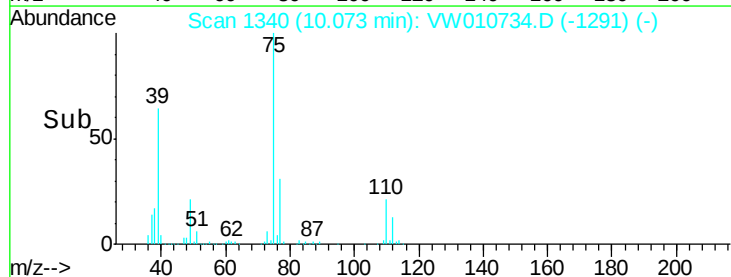
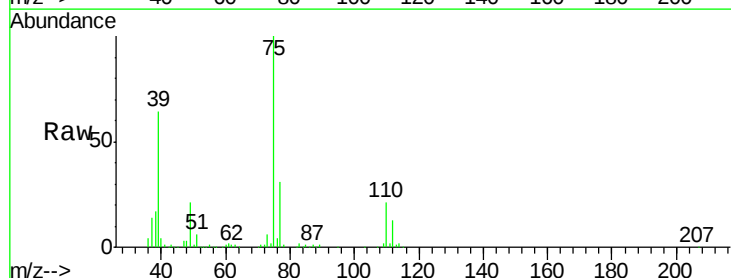
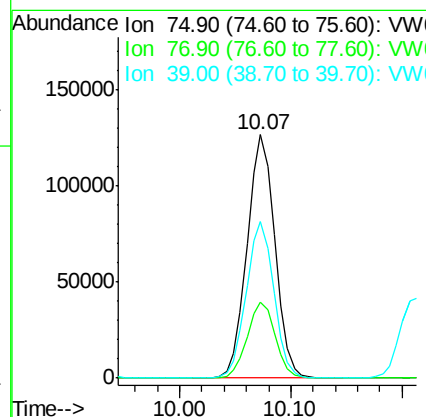
Manual Integrations
APPROVED

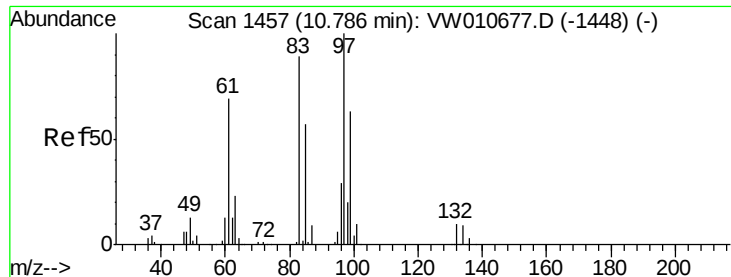
MMDadoda
6/10/2019 12:24:52 PM



#54
cis-1,3-Dichloropropene
Concen: 50.912 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	64.1	50.1	75.1





#55

1,1,2-Trichloroethane

Concen: 49.110 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

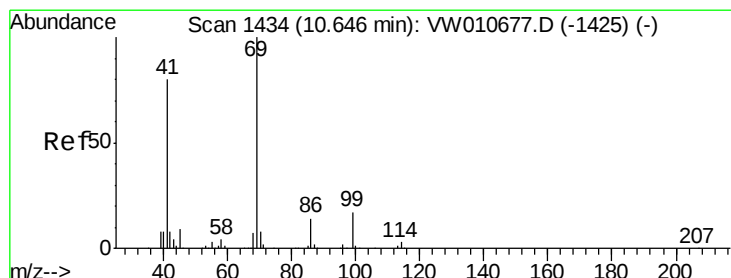
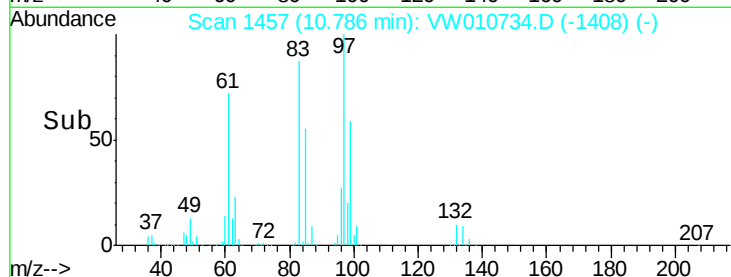
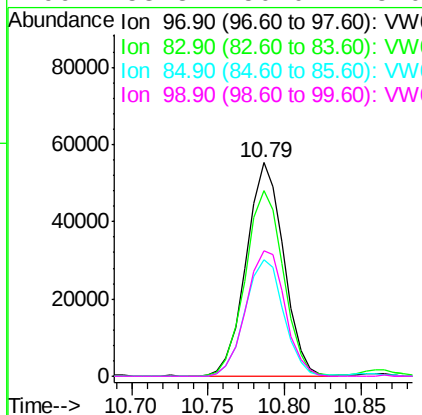
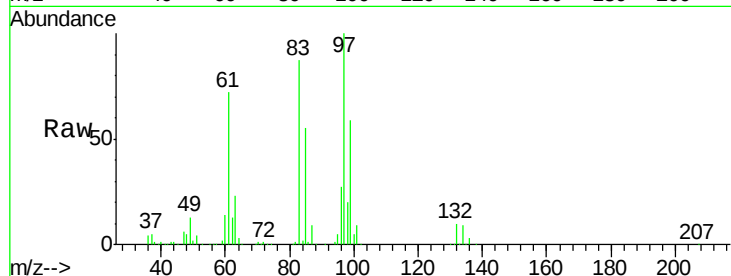
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	94334
Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.1	106.7
85	54.8	45.2	67.8
99	58.8	50.0	75.0

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#56

Ethyl methacrylate

Concen: 49.047 ug/l

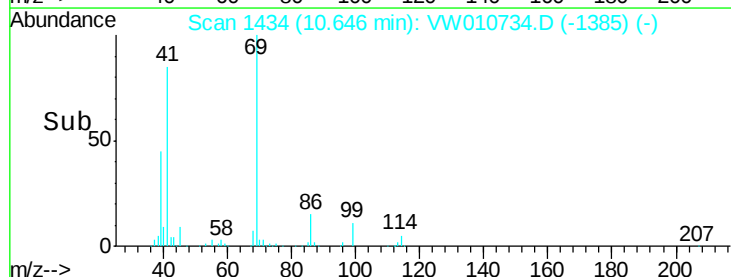
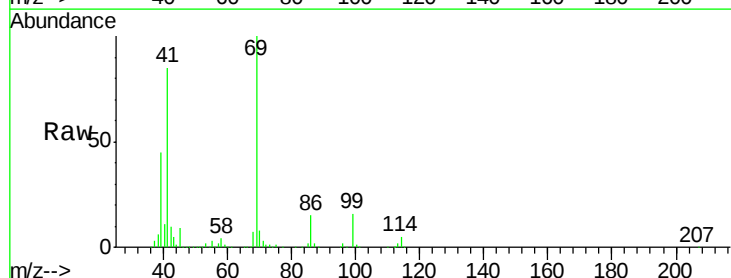
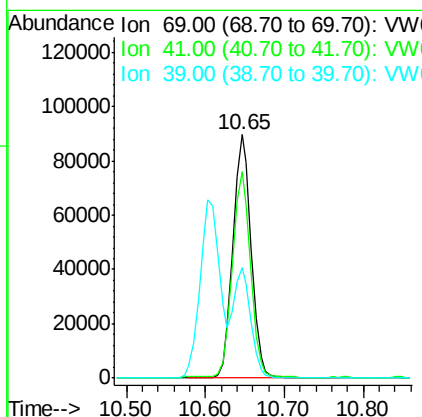
RT: 10.65 min Scan# 1434

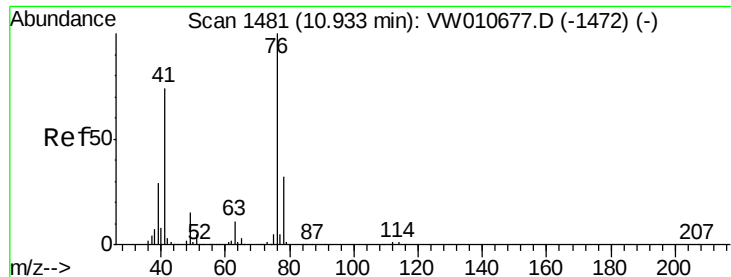
Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion:	69	Resp:	144971
Ion	Ratio	Lower	Upper
69	100		
41	83.3	64.8	97.2
39	42.6	32.2	48.2





#57

1,3-Dichloropropane

Concen: 49.346 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 178633

Ion Ratio Lower Upper

76 100

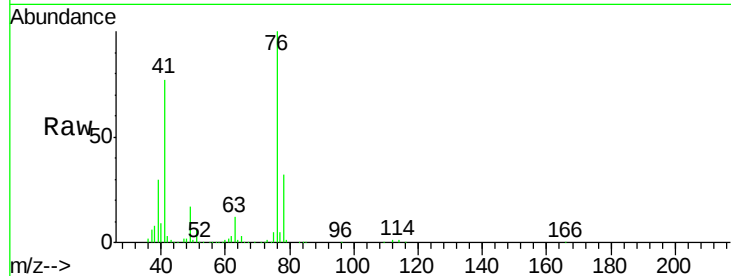
78 32.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

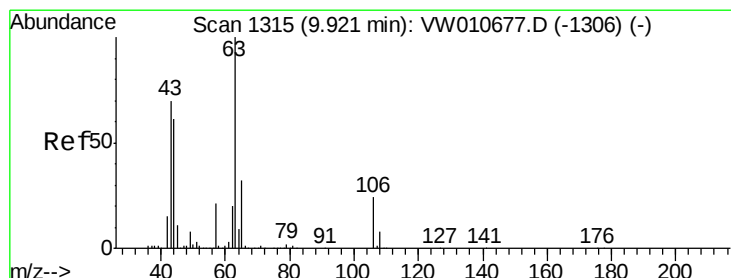
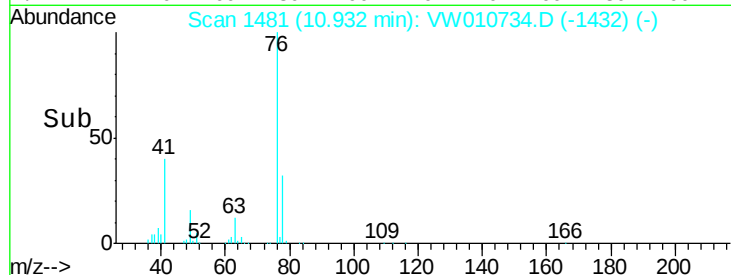
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.079 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010734.D

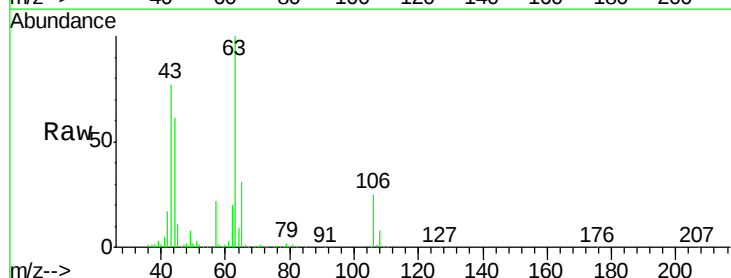
Acq: 07 Jun 2019 17:35

Tgt Ion: 63 Resp: 393354

Ion Ratio Lower Upper

63 100

106 24.7 20.1 30.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

250000

200000

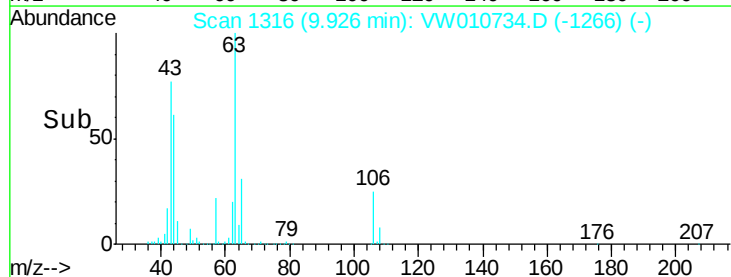
150000

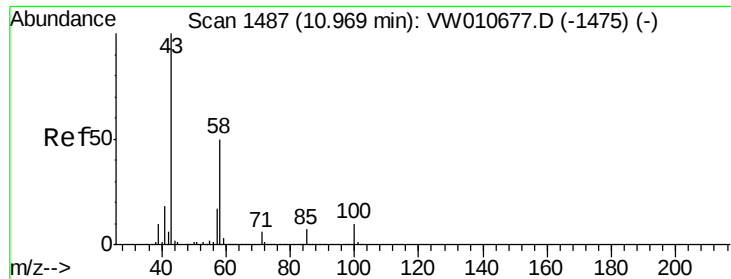
100000

50000

0

Time-->





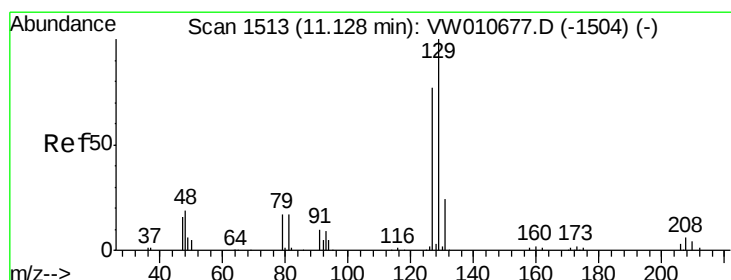
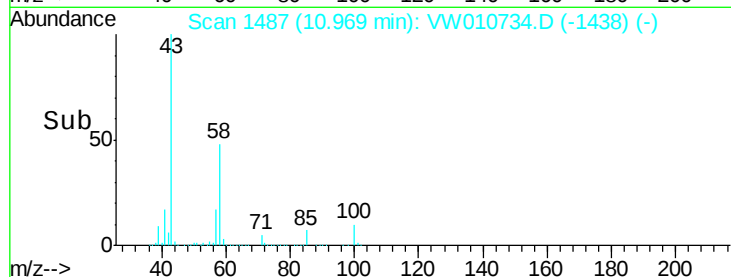
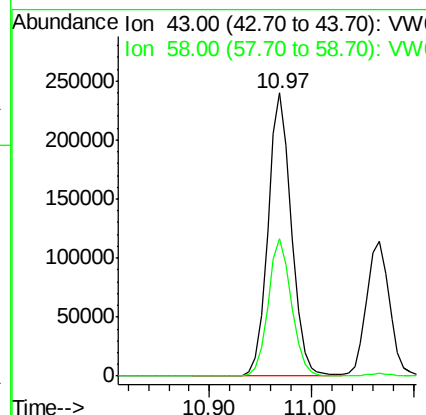
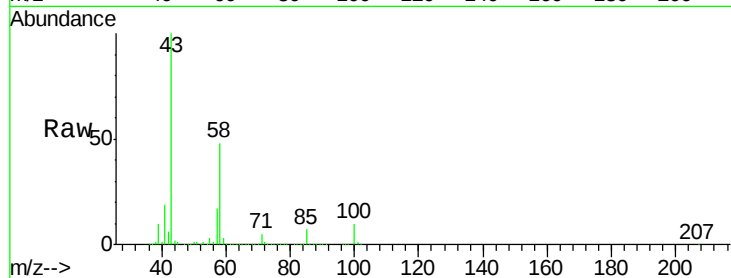
#59
2-Hexanone
Concen: 242.766 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 381464
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6

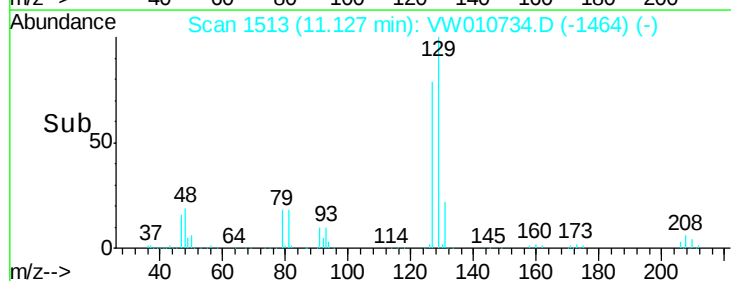
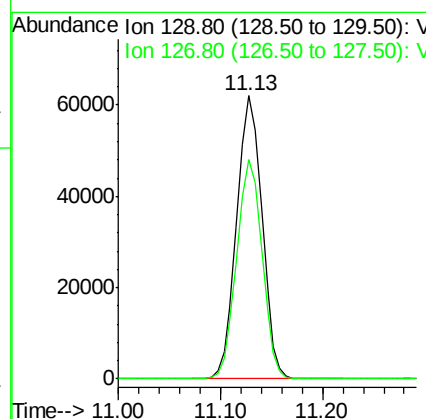
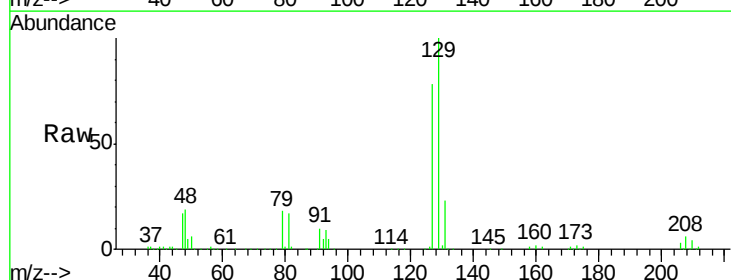
Manual Integrations
APPROVED

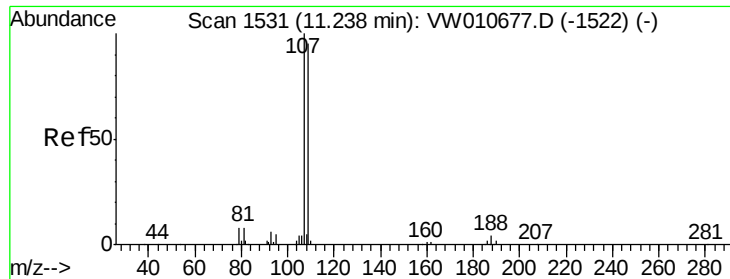
MMDadoda
6/10/2019 12:24:52 PM



#60
Dibromochloromethane
Concen: 50.325 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion: 129 Resp: 107160
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.432 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 88145

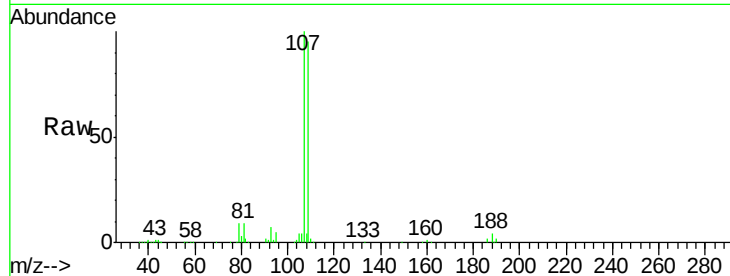
Ion Ratio Lower Upper

107 100

109 94.3 75.8 113.8

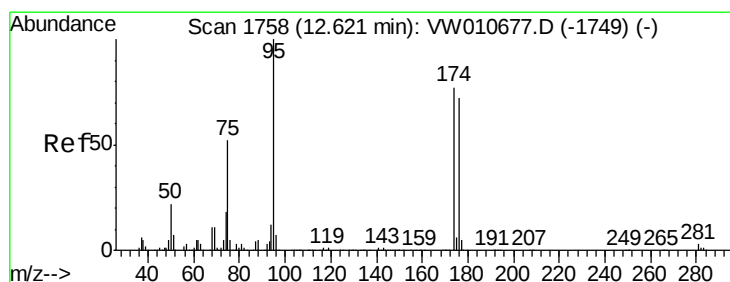
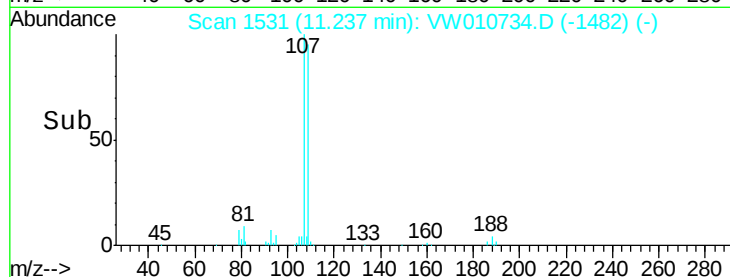
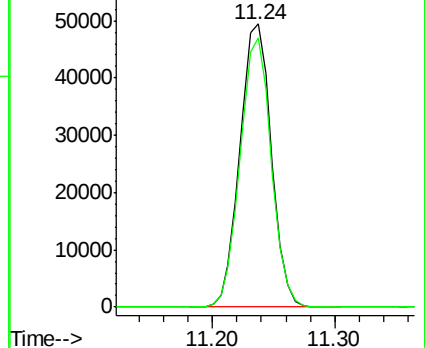
Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.223 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

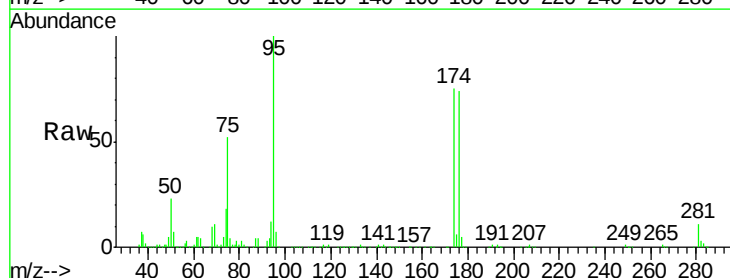
Tgt Ion: 95 Resp: 172293

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.4

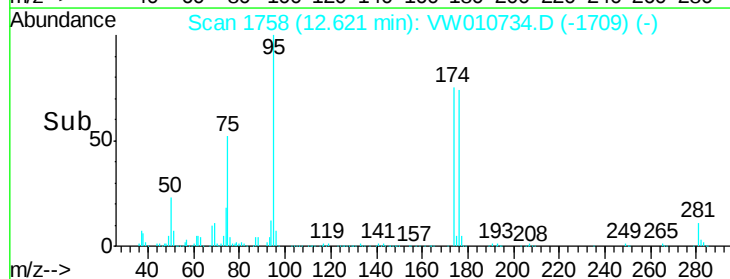
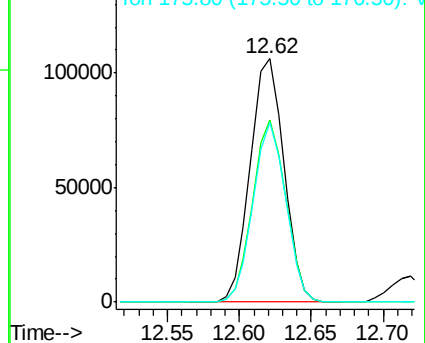
176 71.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





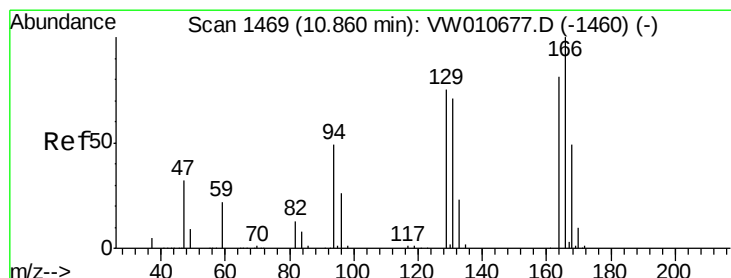
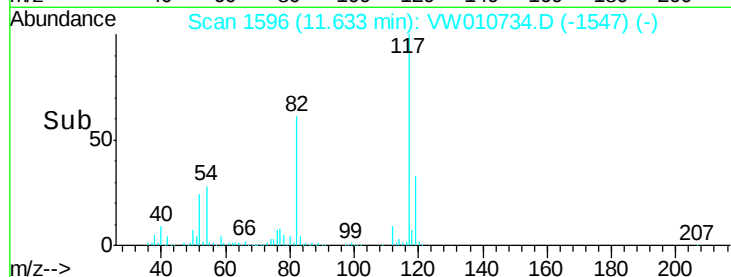
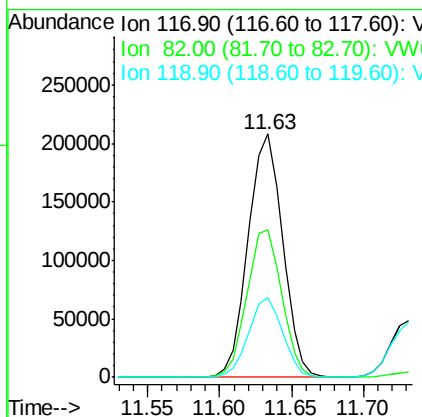
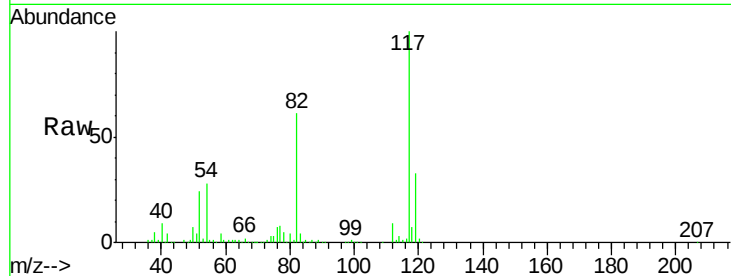
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.0	70.4
119	32.5	25.1	37.7

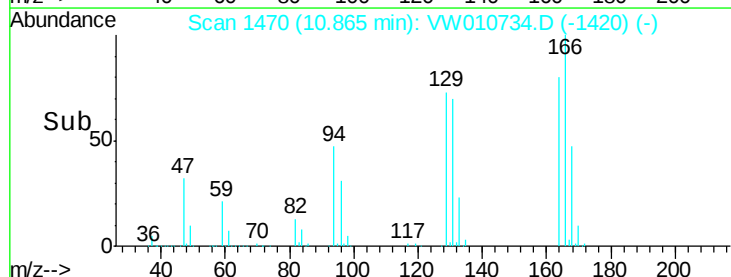
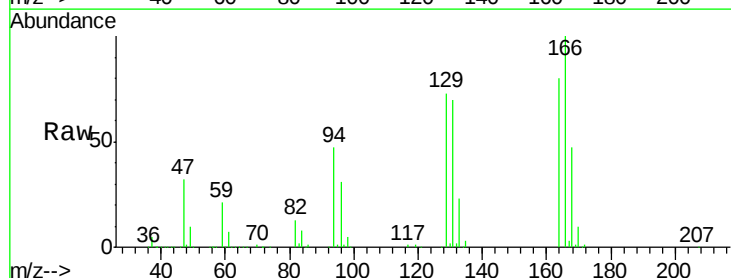
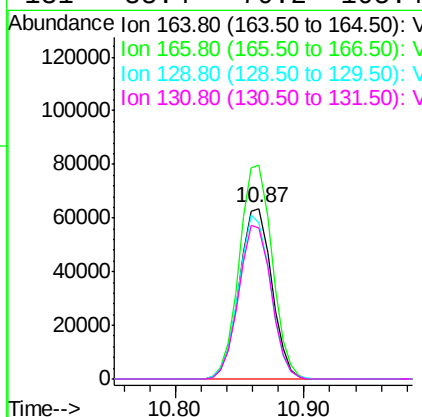
Manual Integrations
APPROVED

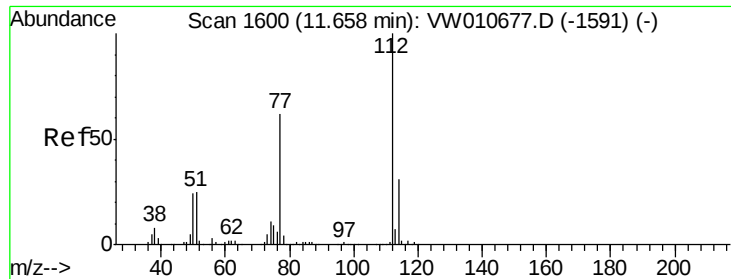
MMDadoda
6/10/2019 12:24:52 PM



#64
Tetrachloroethene
Concen: 48.439 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	99.2	148.8
129	91.8	74.6	112.0
131	88.4	70.2	105.4





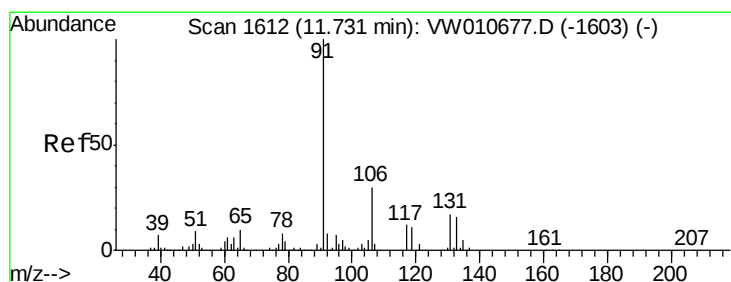
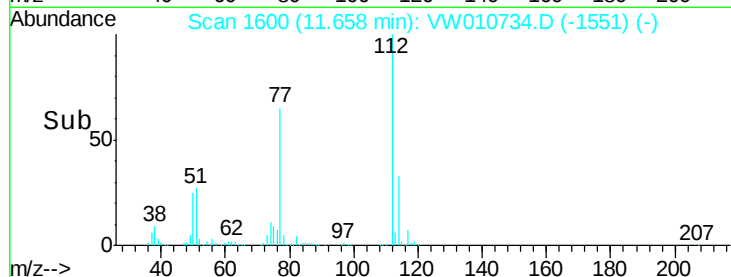
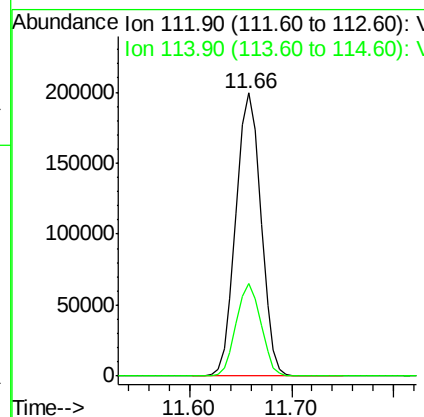
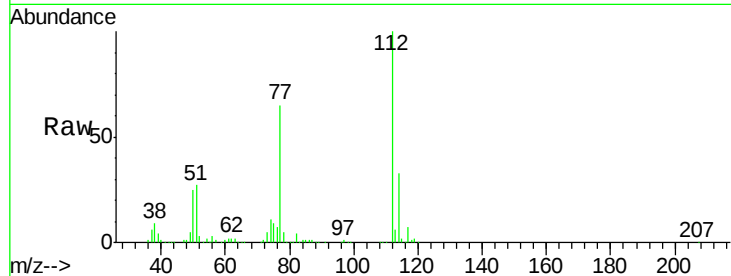
#65
Chlorobenzene
Concen: 49.866 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	24.8	37.2

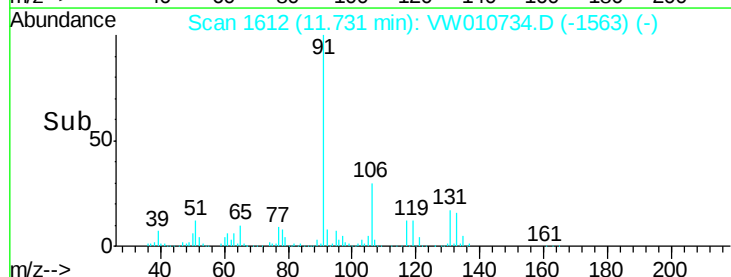
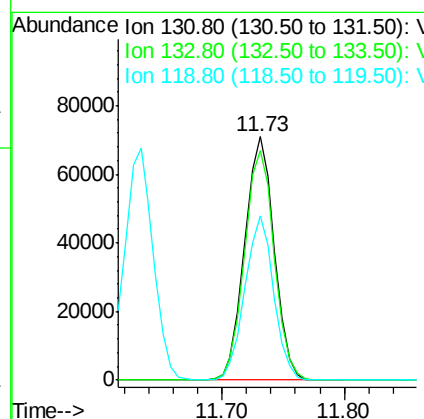
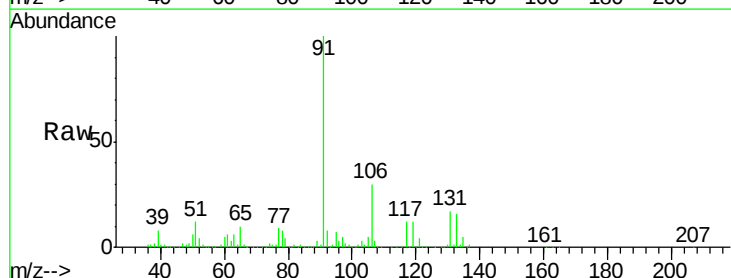
Manual Integrations
APPROVED

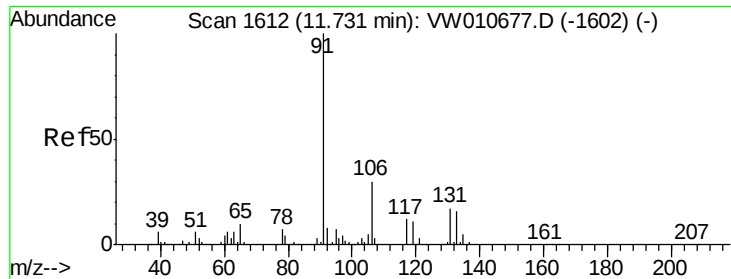
MMDadoda
6/10/2019 12:24:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.427 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	65.8	32.4	97.0





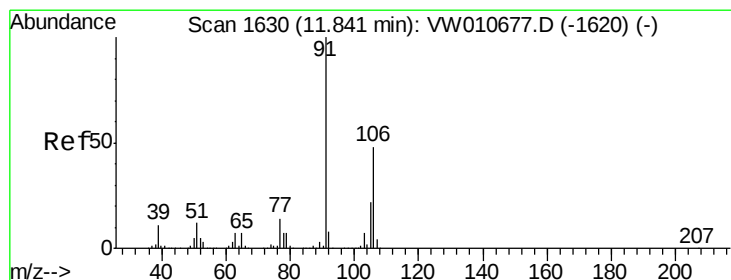
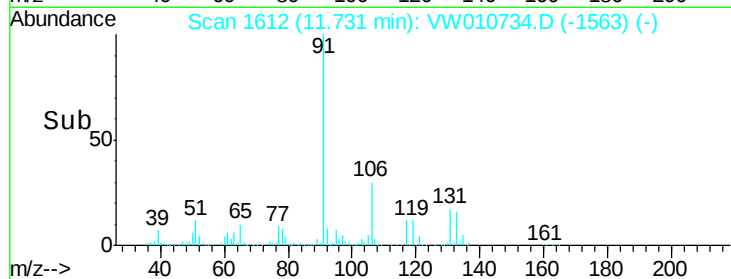
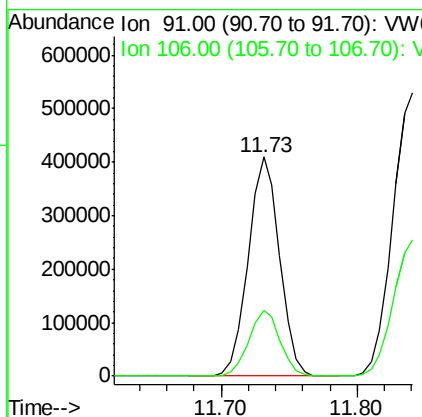
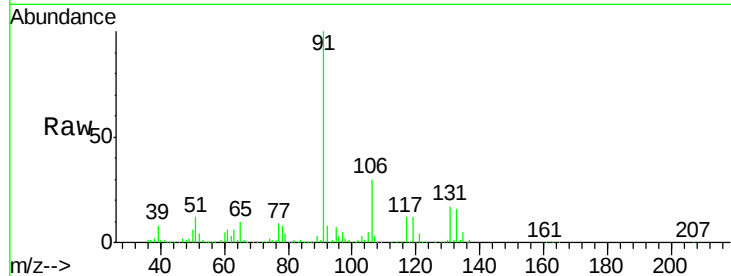
#67
Ethyl Benzene
Concen: 50.467 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 659018
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.4

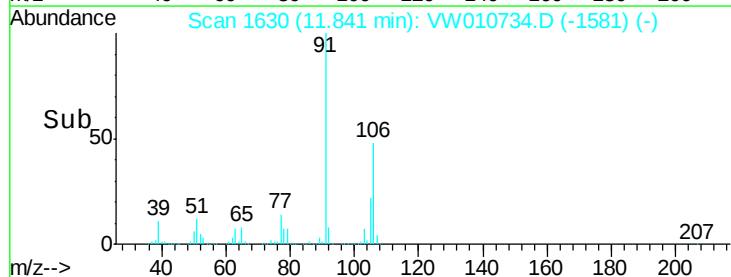
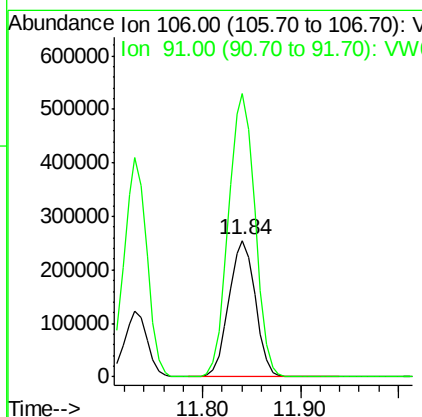
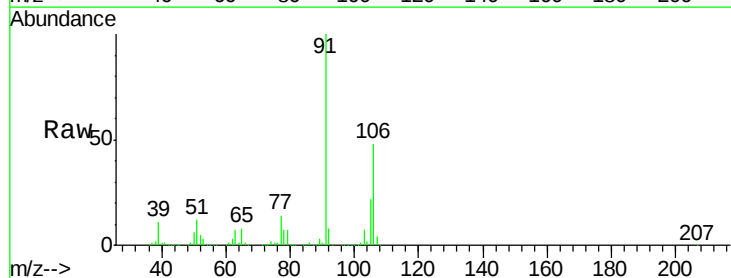
Manual Integrations
APPROVED

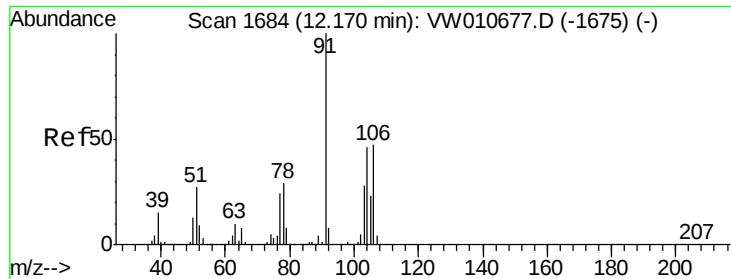
MMDadoda
6/10/2019 12:24:52 PM



#68
m/p-Xylenes
Concen: 101.890 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion: 106 Resp: 476288
Ion Ratio Lower Upper
106 100
91 209.0 166.5 249.7





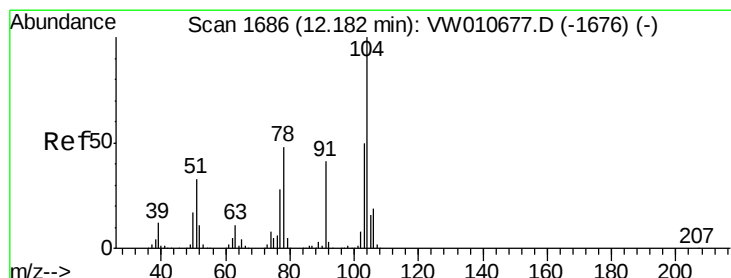
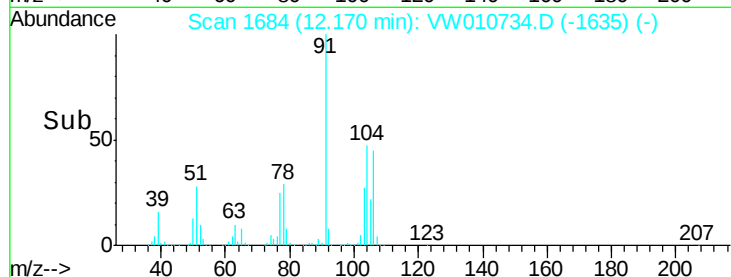
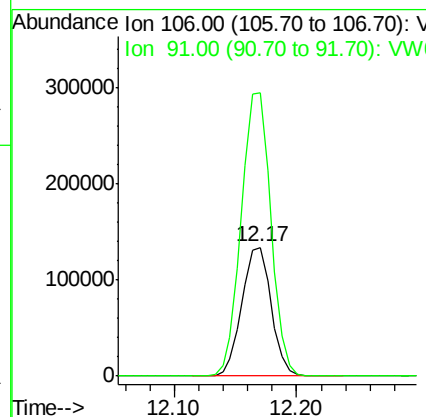
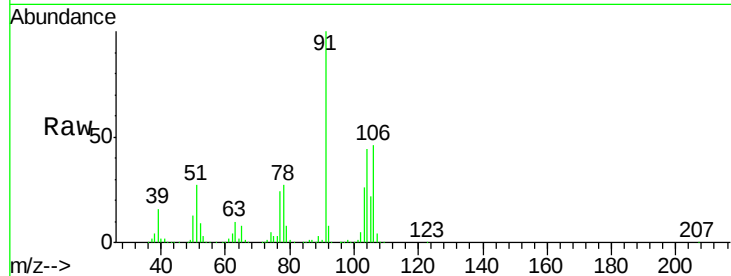
#69
o-Xylene
Concen: 50.370 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.8	108.9	326.6

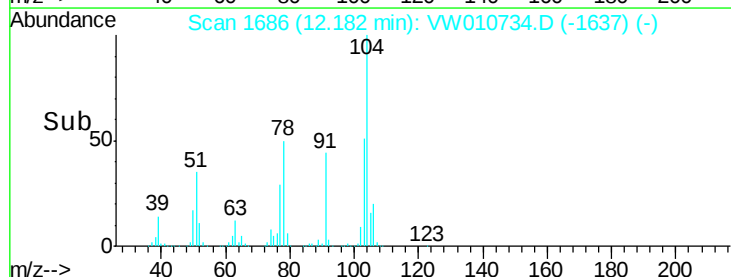
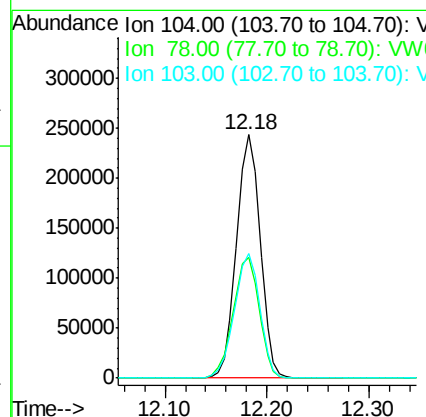
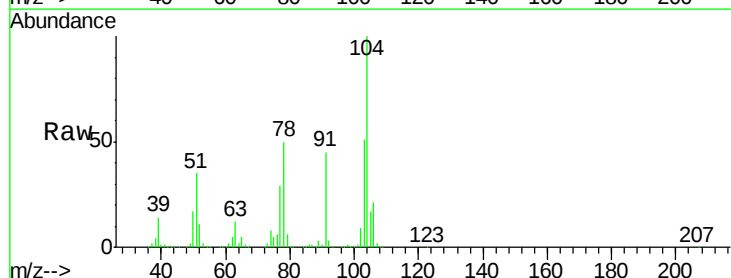
Manual Integrations
APPROVED

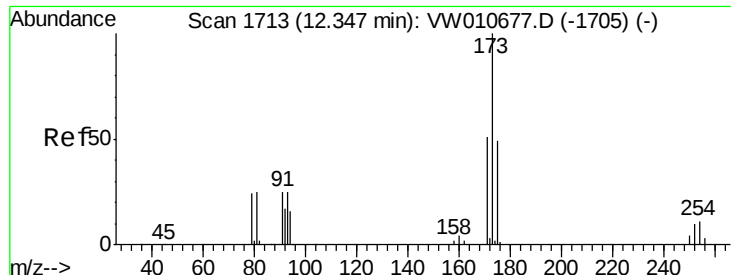
MMDadoda
6/10/2019 12:24:52 PM



#70
Styrene
Concen: 50.784 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.5	42.7	64.1
103	54.6	43.6	65.4





#71

Bromoform

Concen: 48.429 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 58912

Ion Ratio Lower Upper

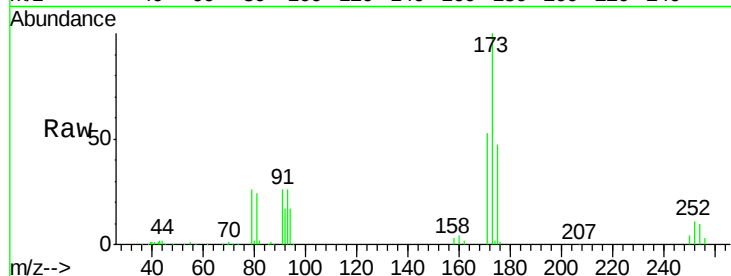
173 100

175 48.5 24.3 72.8

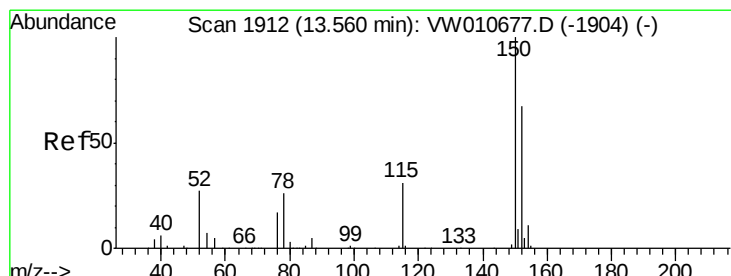
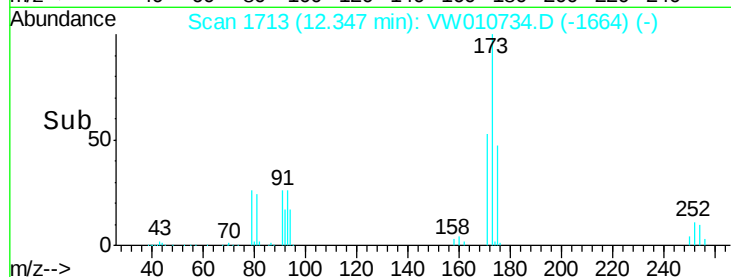
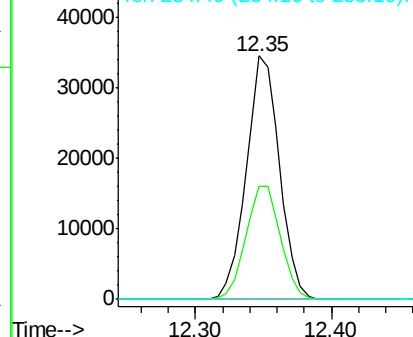
254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



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: VW010734.D

Acq: 07 Jun 2019 17:35

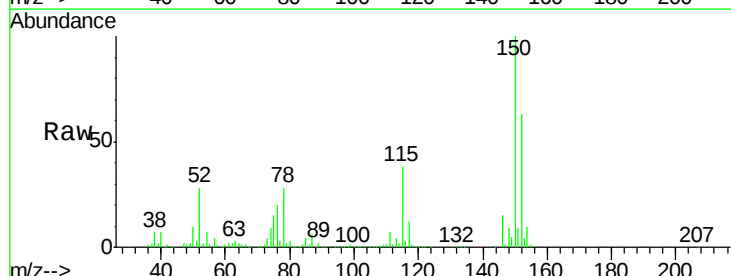
Tgt Ion:152 Resp: 168278

Ion Ratio Lower Upper

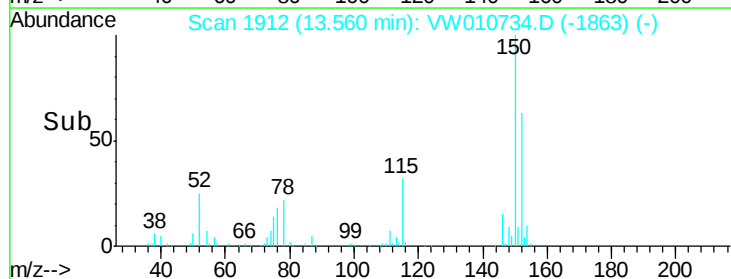
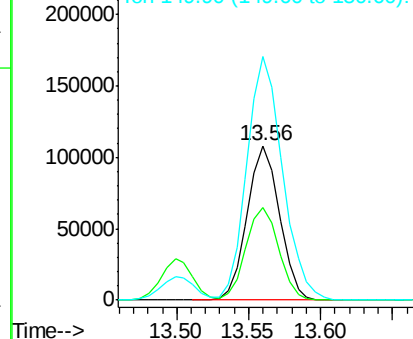
152 100

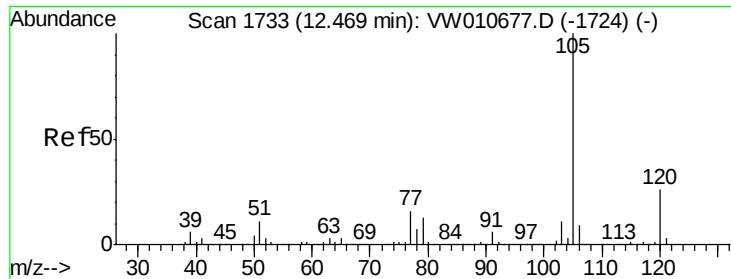
115 60.8 29.8 89.3

150 173.5 0.0 345.0



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: 49.858 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 630471

Ion Ratio Lower Upper

105 100

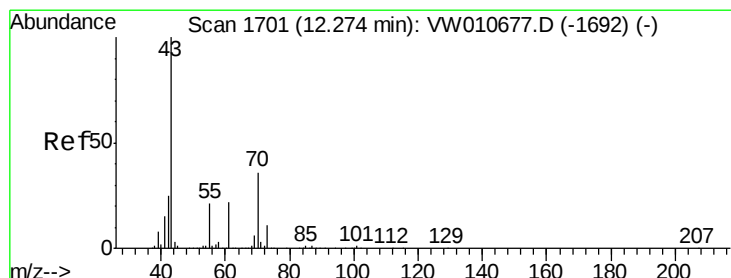
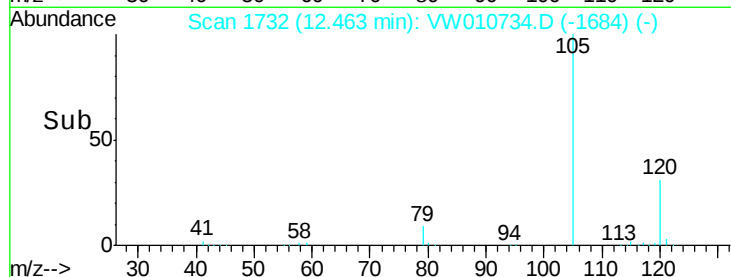
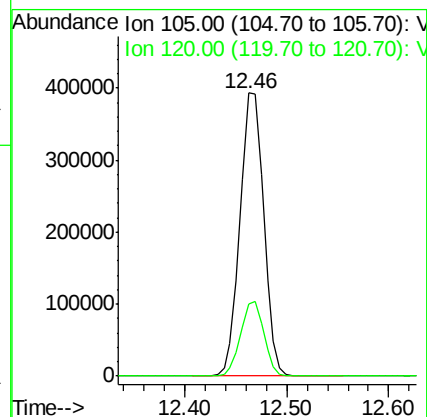
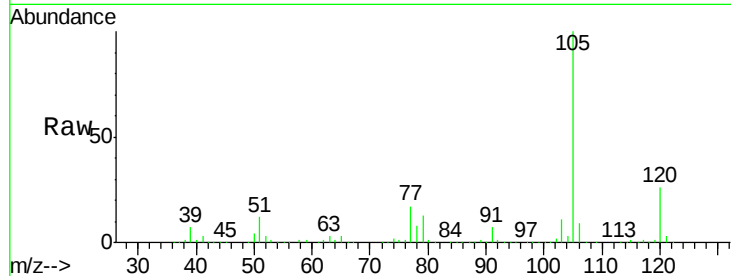
120 26.0 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

6/10/2019 12:24:52 PM



#74

N-ethyl acetate

Concen: 48.663 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion: 43 Resp: 198876

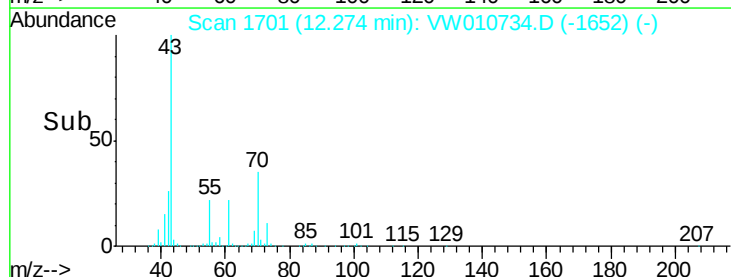
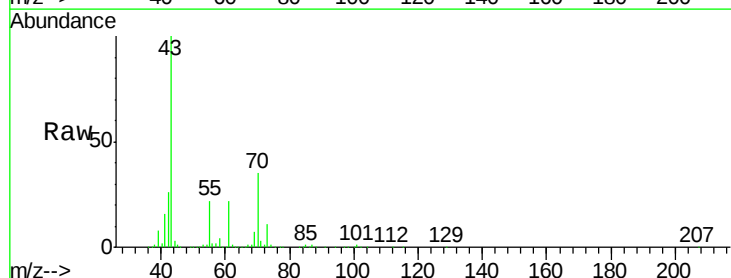
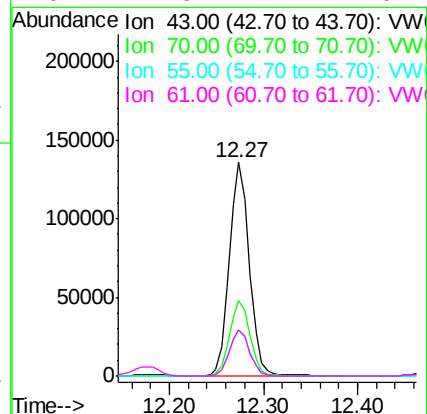
Ion Ratio Lower Upper

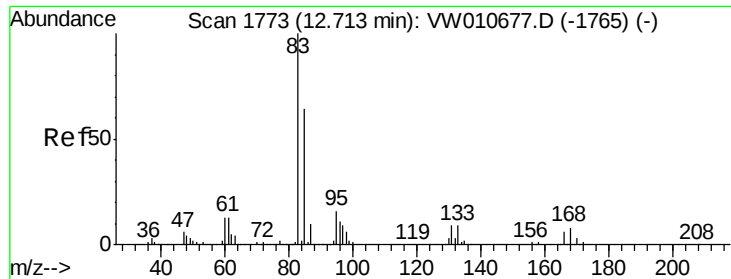
43 100

70 36.2 29.2 43.8

55 22.0 17.5 26.3

61 21.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.943 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

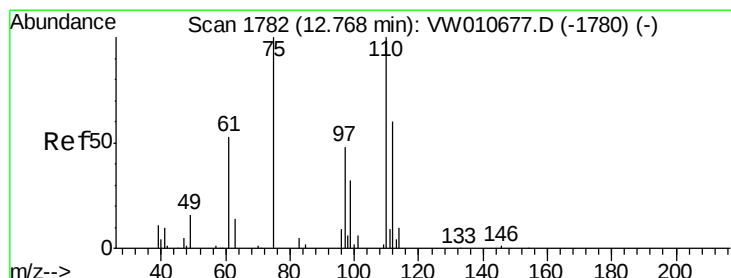
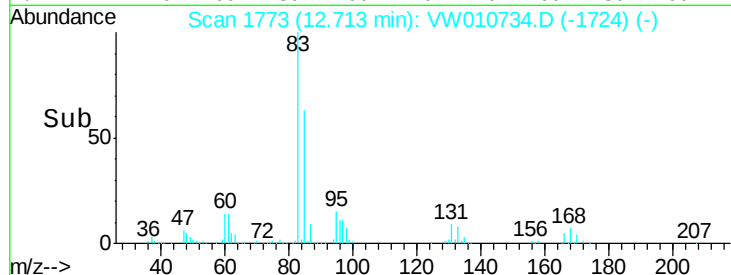
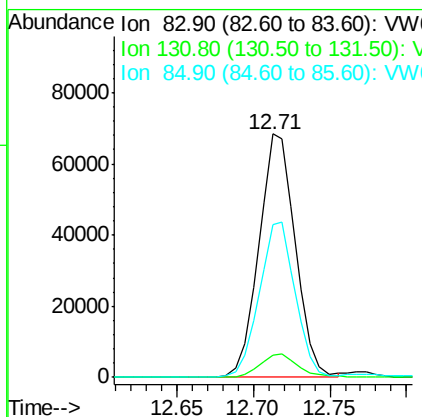
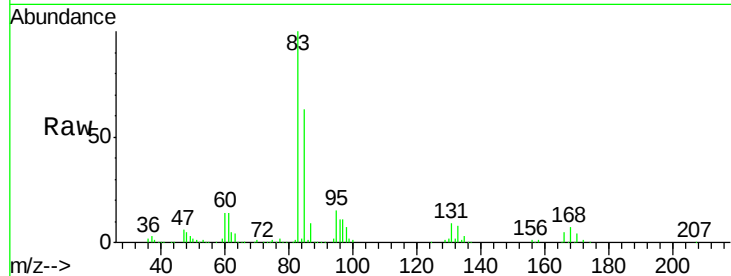
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	113008
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.3	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#76

1,2,3-Trichloropropane

Concen: 46.942 ug/l m

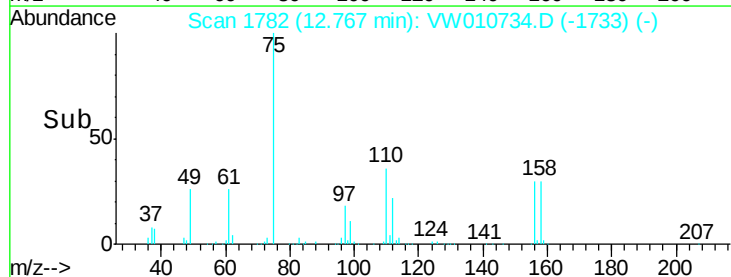
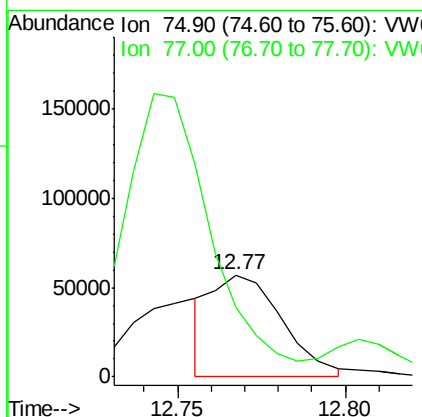
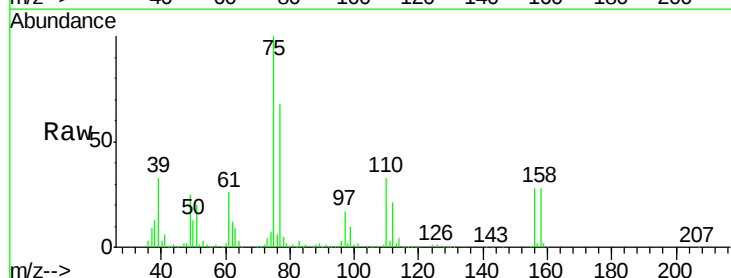
RT: 12.77 min Scan# 1782

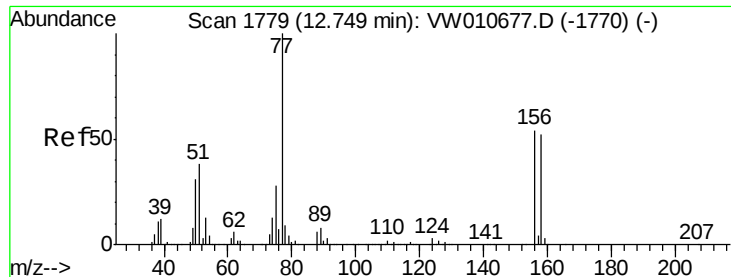
Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion:	75	Resp:	82954
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.554 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

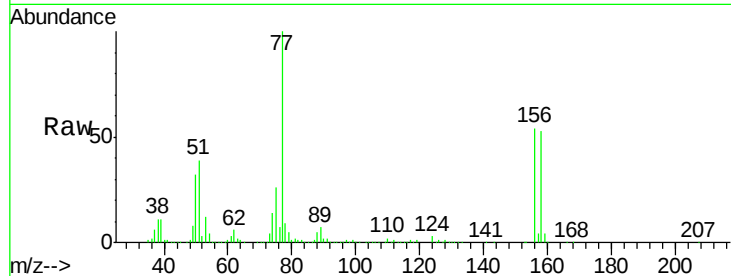
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	212.4	106.5	319.4		
158	96.6	48.3	144.9		

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM

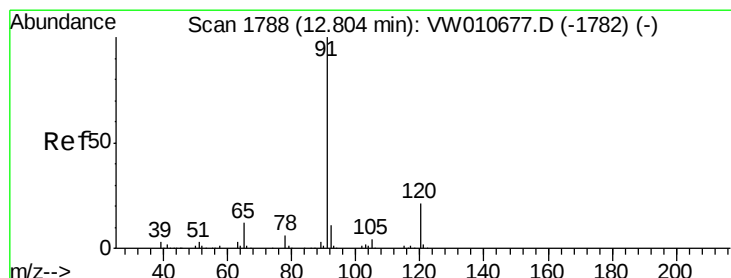
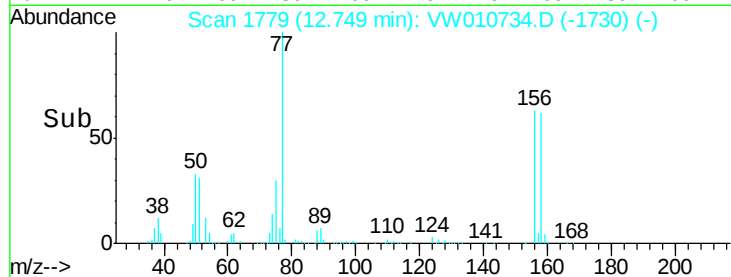
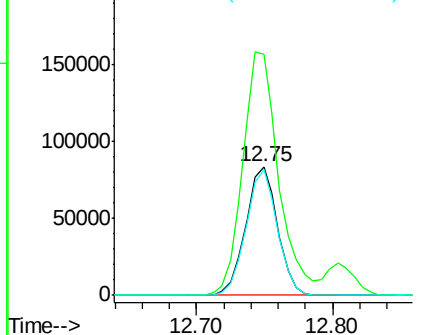


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.584 ug/l

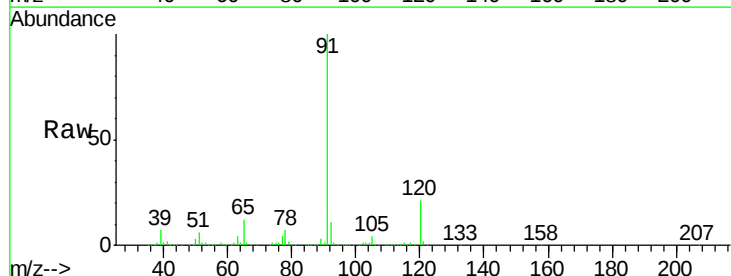
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

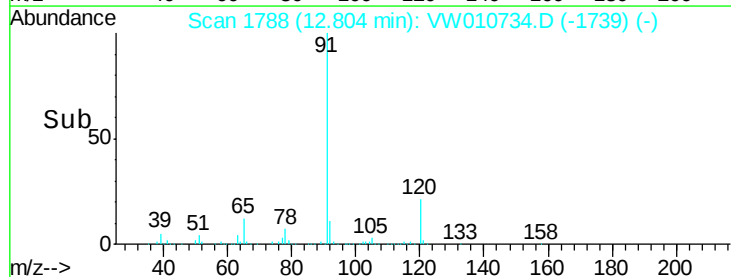
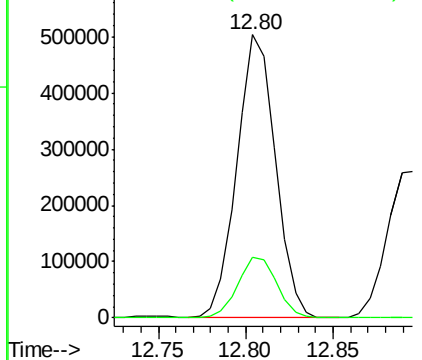
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.8	10.8	32.4		

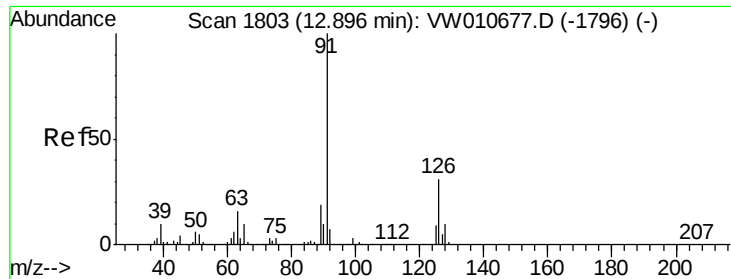


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





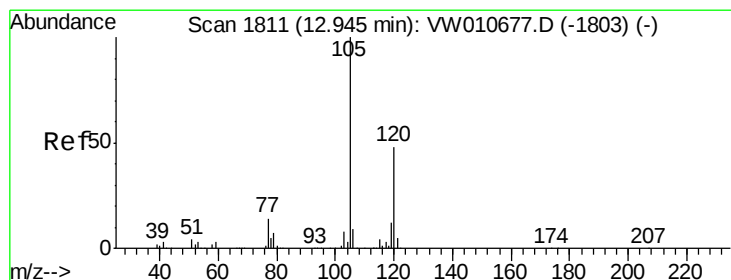
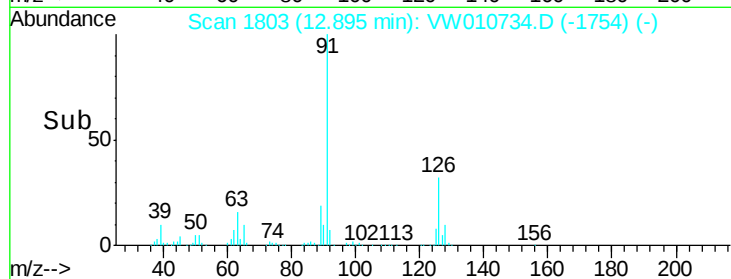
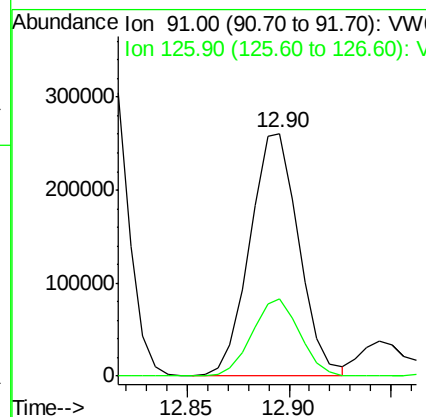
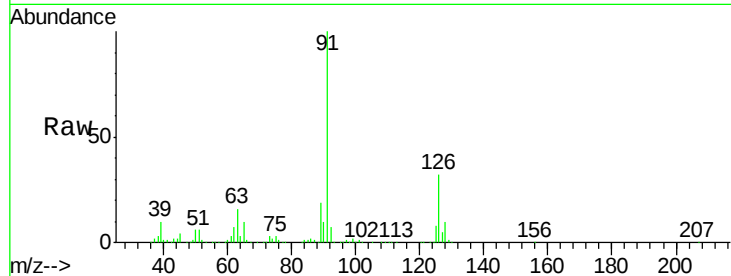
#79
 2-Chlorotoluene
 Concen: 49.902 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 434712
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.7 47.0

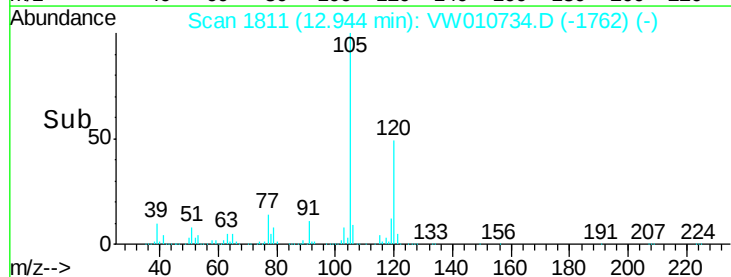
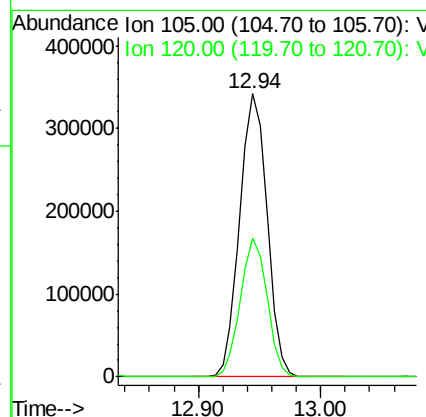
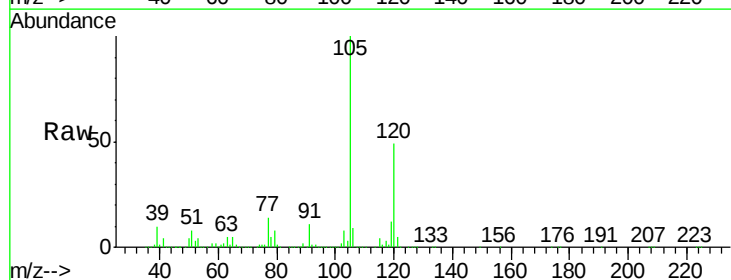
Manual Integrations
 APPROVED

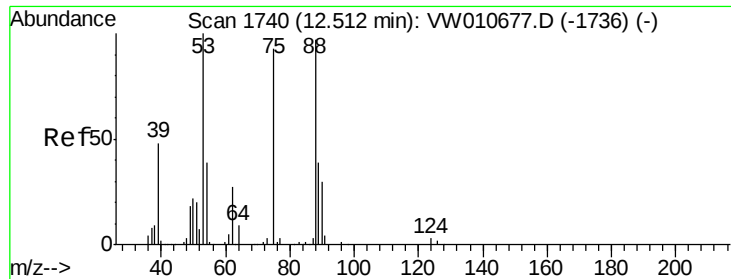
MMDadoda
 6/10/2019 12:24:52 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.338 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion: 105 Resp: 531373
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.747 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Instrument :

MSVOA_W

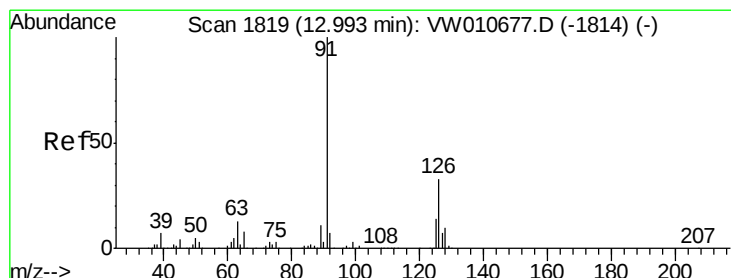
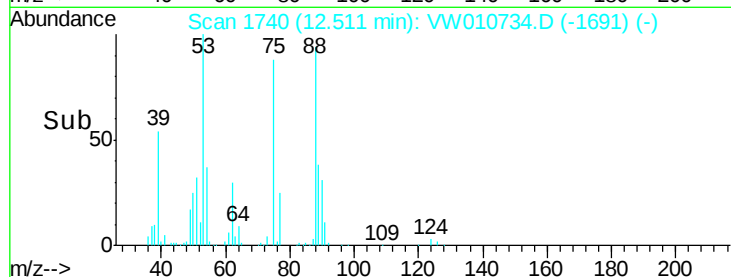
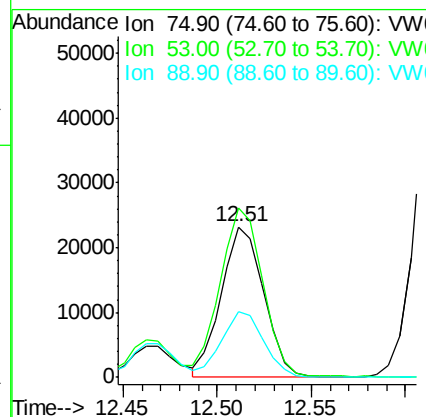
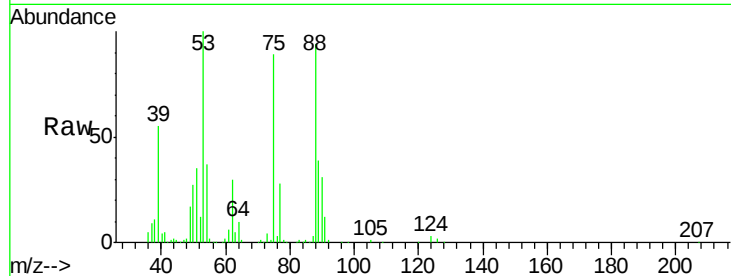
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	35943
Ion	Ratio	Lower	Upper
75	100		
53	115.5	90.1	135.1
89	44.2	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#82

4-Chlorotoluene

Concen: 50.391 ug/l

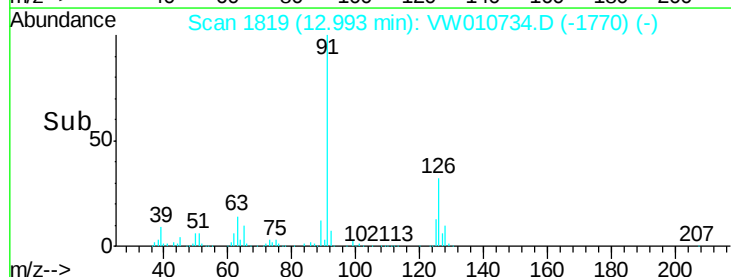
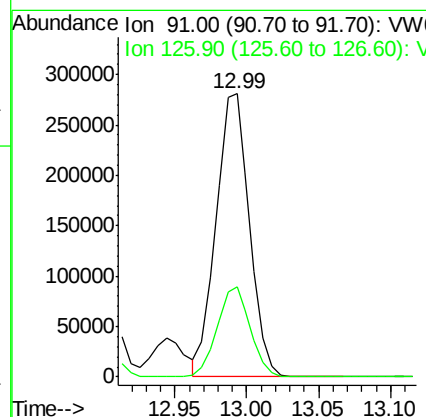
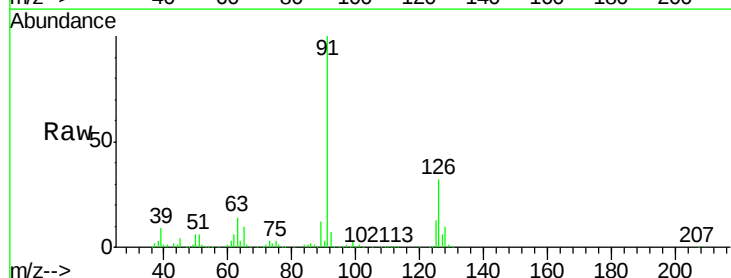
RT: 12.99 min Scan# 1819

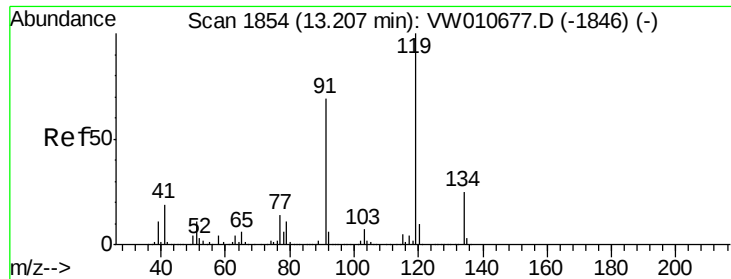
Delta R.T. -0.00 min

Lab File: VW010734.D

Acq: 07 Jun 2019 17:35

Tgt Ion:	91	Resp:	453008
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.7





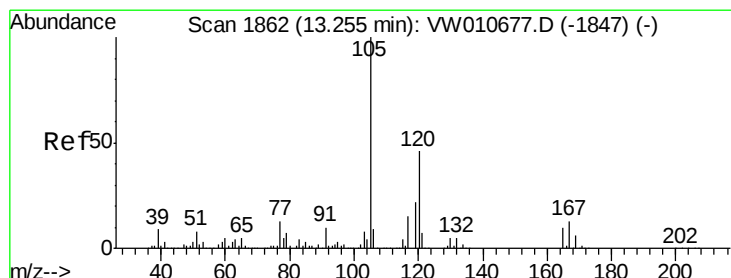
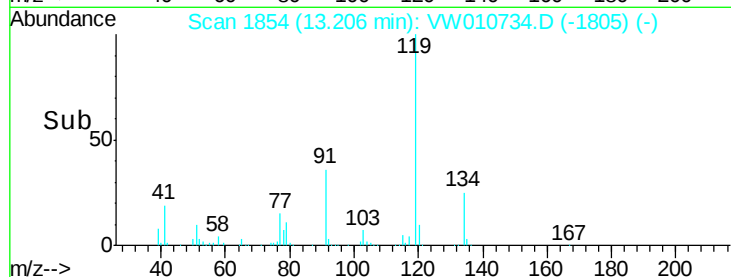
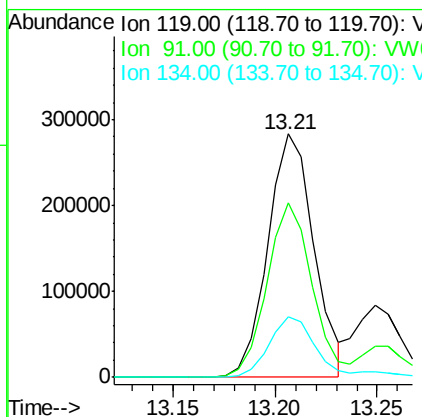
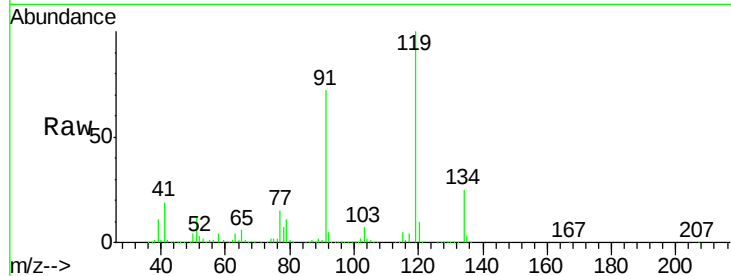
#83
tert-Butylbenzene
Concen: 50.859 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	35.1	105.3
134	26.7	13.6	40.7

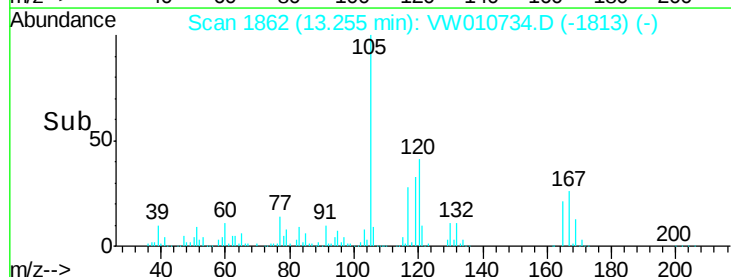
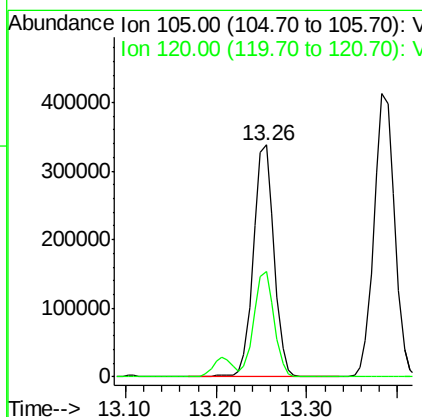
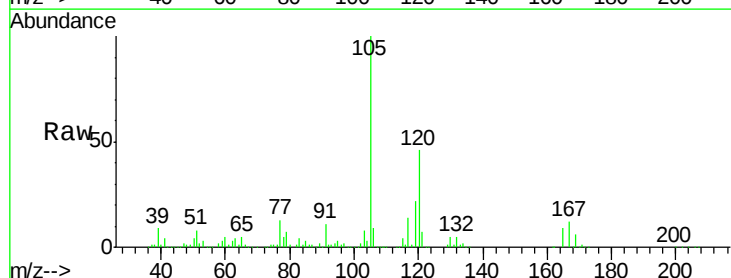
Manual Integrations
APPROVED

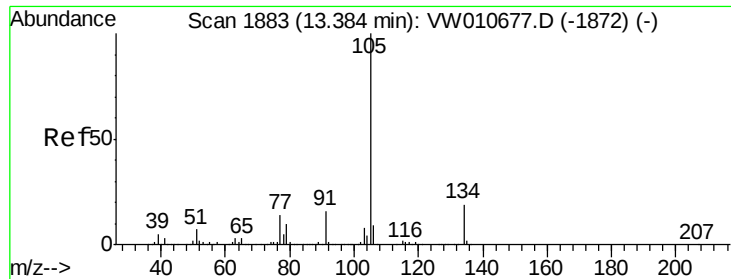
MMDadoda
6/10/2019 12:24:52 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.918 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.5	67.5





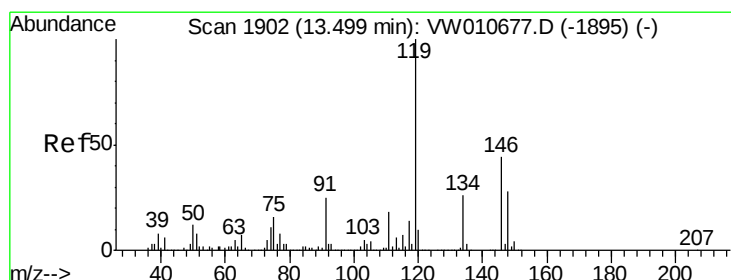
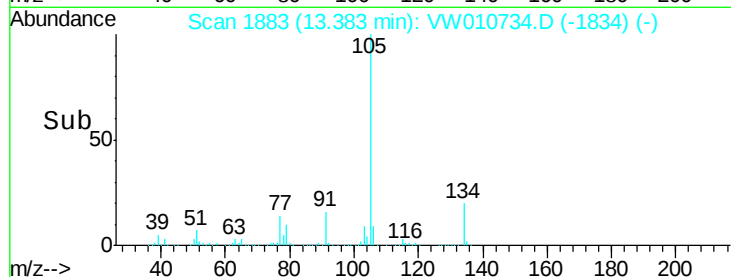
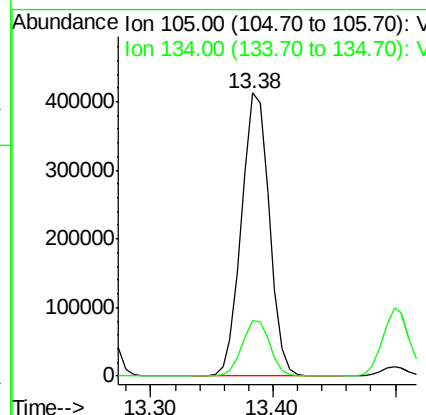
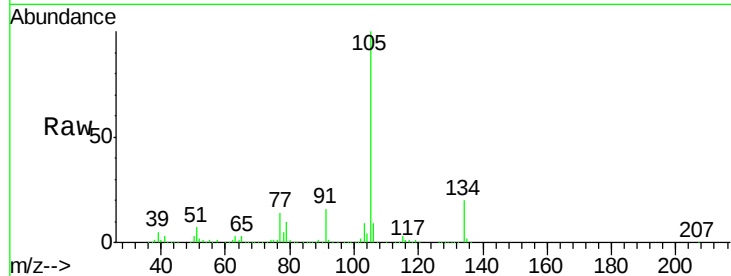
#85
 sec-Butylbenzene
 Concen: 50.670 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	28.9

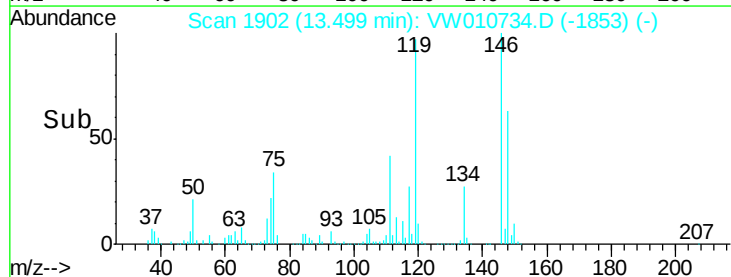
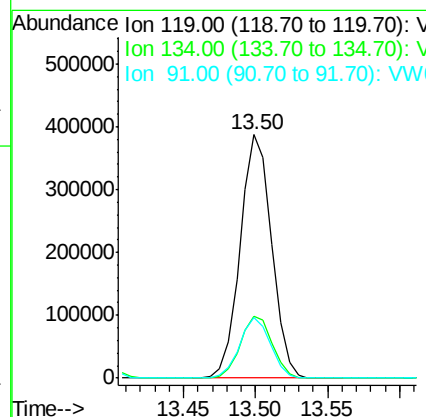
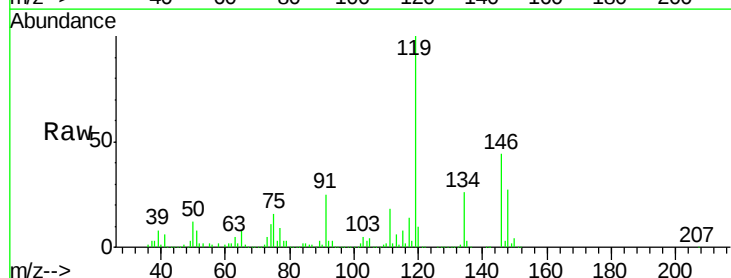
Manual Integrations
 APPROVED

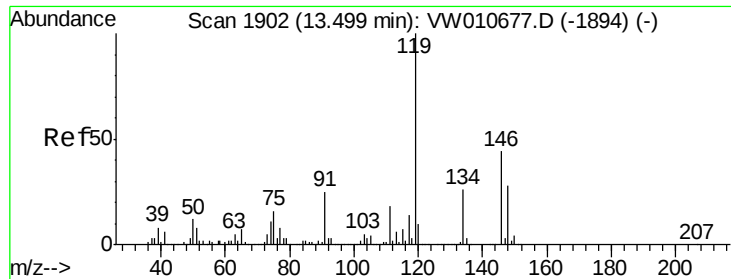
MMDadoda
 6/10/2019 12:24:52 PM



#86
 p-Isopropyltoluene
 Concen: 51.229 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	24.5	12.2	36.4





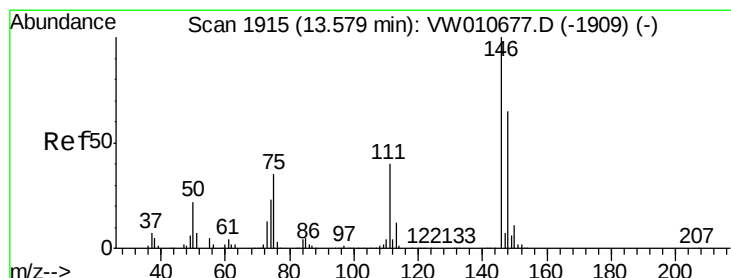
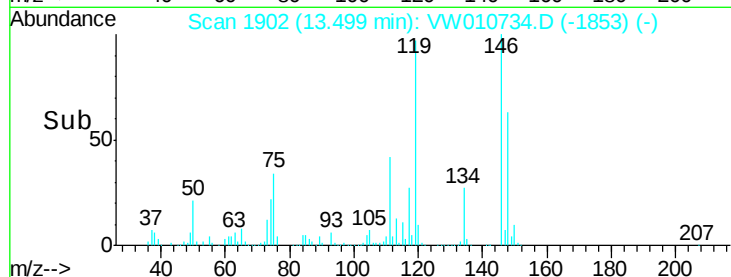
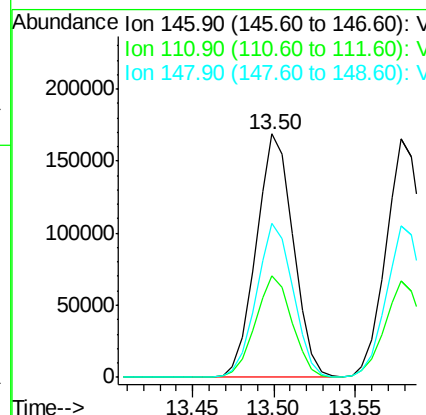
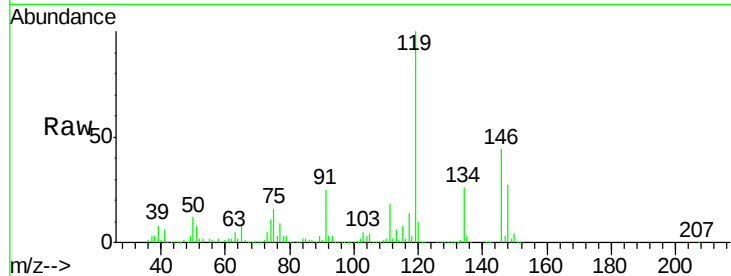
#87
 1,3-Dichlorobenzene
 Concen: 50.177 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	267097		
111	41.4	20.4	61.3	
148	62.6	31.5	94.5	

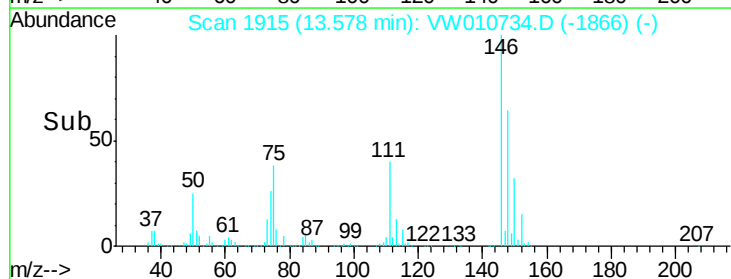
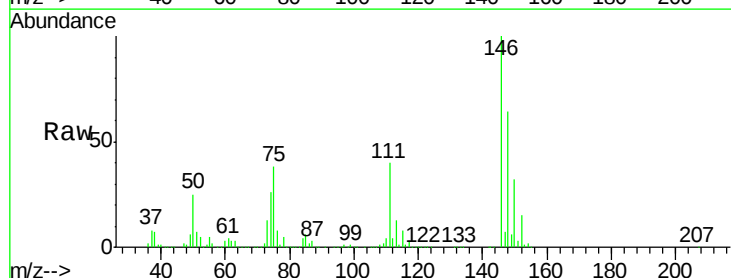
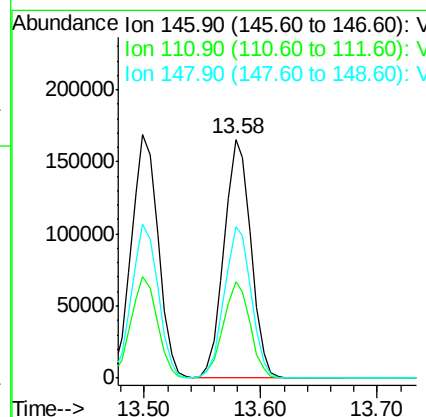
Manual Integrations
 APPROVED

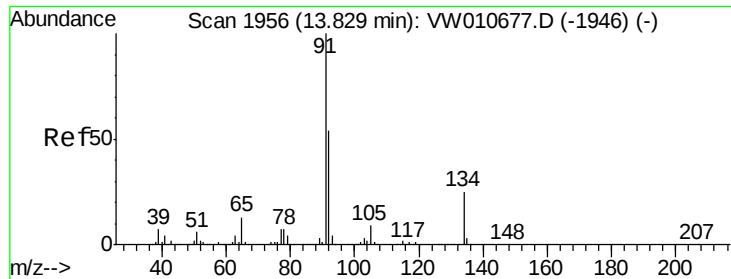
MMDadoda
 6/10/2019 12:24:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.817 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	262896		
111	40.4	20.3	60.9	
148	63.6	32.4	97.2	





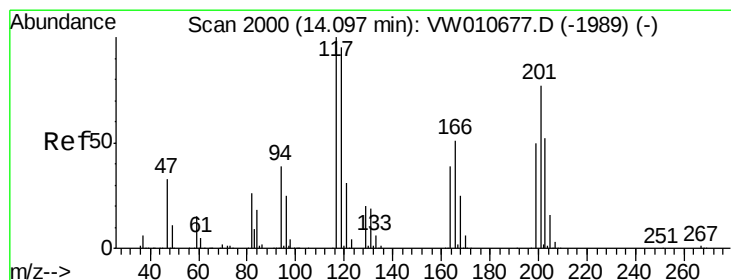
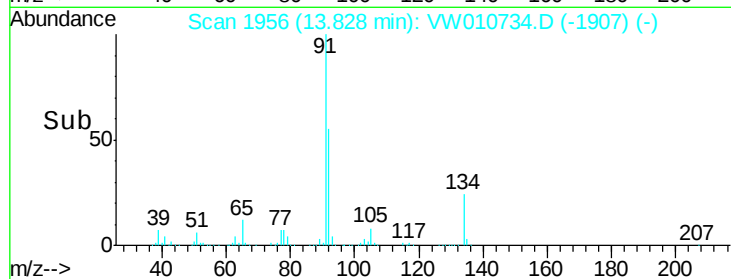
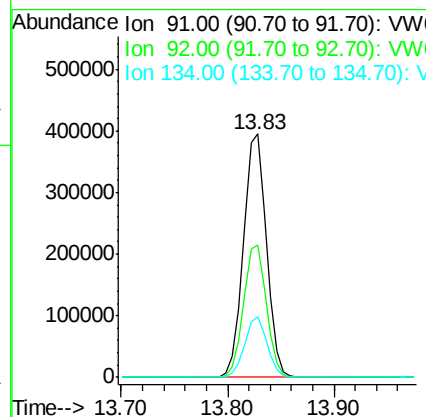
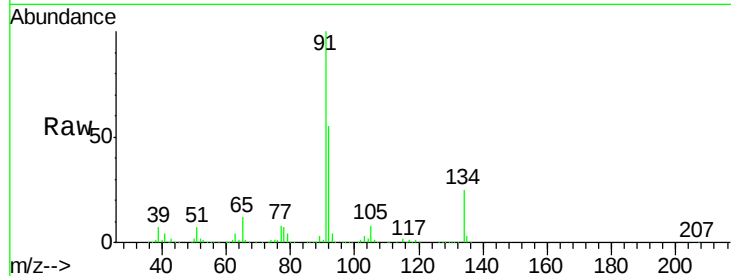
#89
n-Butylbenzene
Concen: 52.523 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	24.2	12.3	36.9

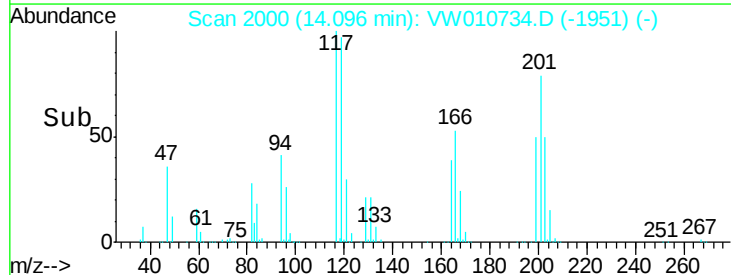
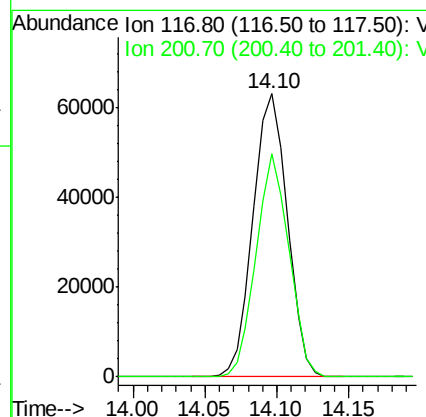
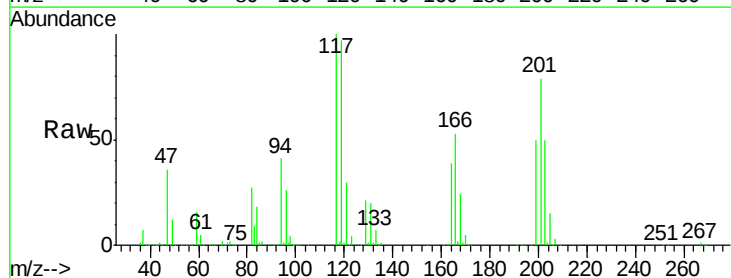
Manual Integrations
APPROVED

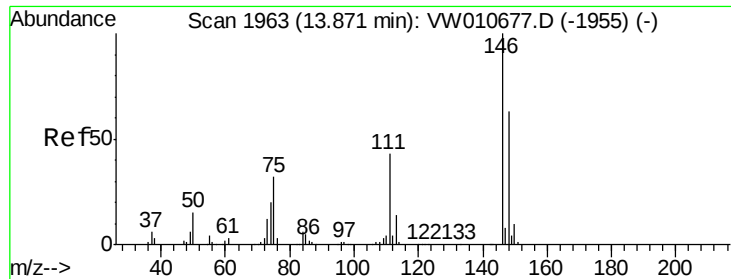
MMDadoda
6/10/2019 12:24:52 PM



#90
Hexachloroethane
Concen: 50.826 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	38.8	116.4





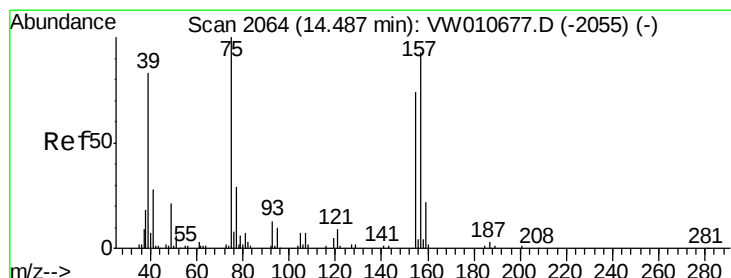
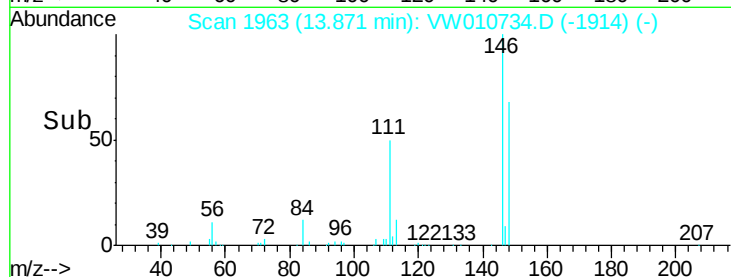
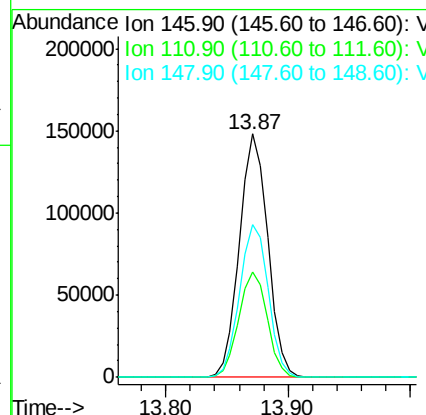
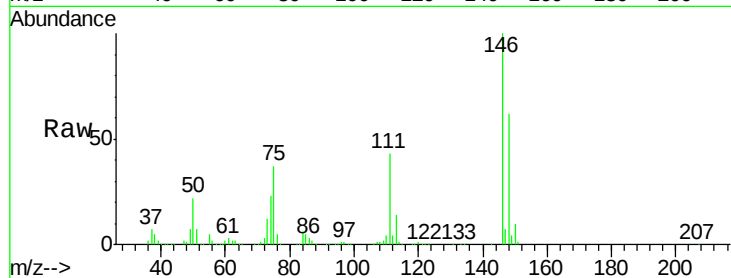
#91
 1,2-Dichlorobenzene
 Concen: 49.528 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	63.5	31.9	95.5

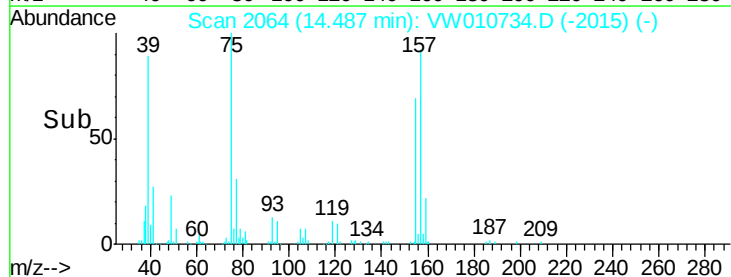
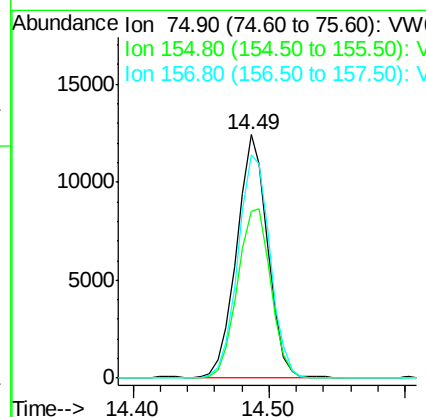
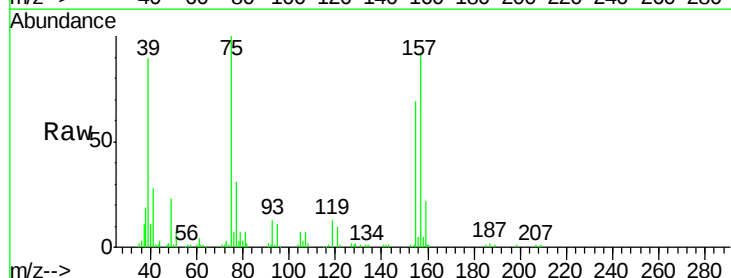
Manual Integrations
 APPROVED

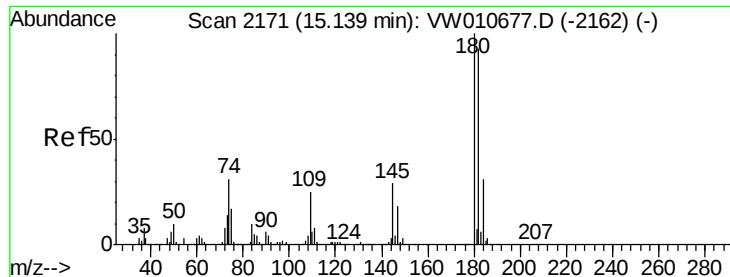
MMDadoda
 6/10/2019 12:24:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.795 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	38.8	116.4
157	94.9	48.4	145.0





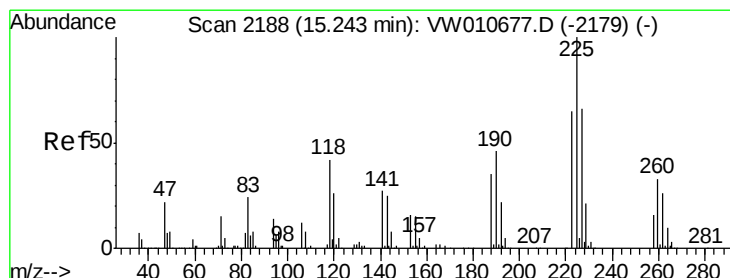
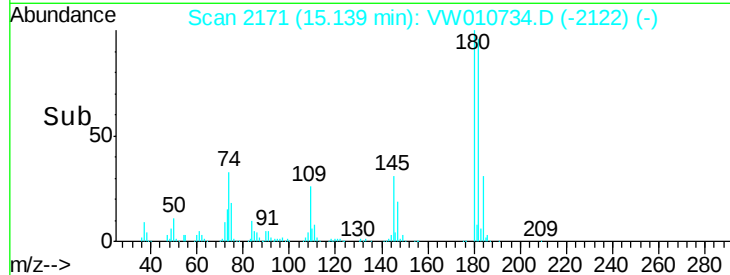
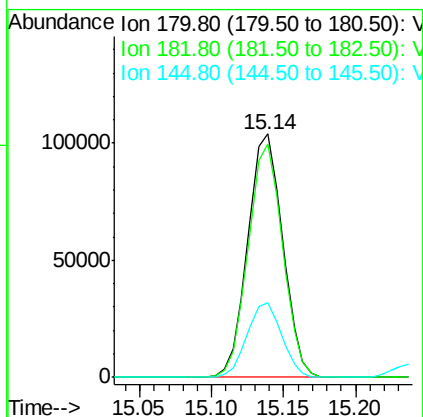
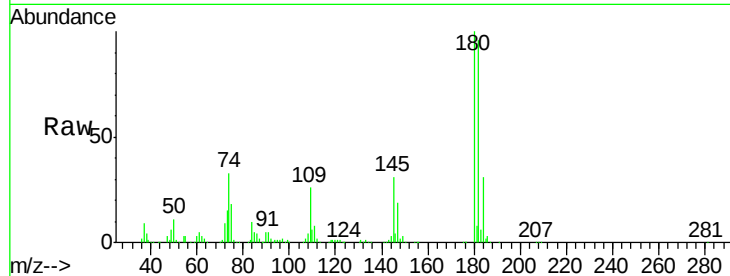
#93
 1,2,4-Trichlorobenzene
 Concen: 51.891 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	174318		
182	94.5	47.1	141.4	
145	30.6	15.2	45.5	

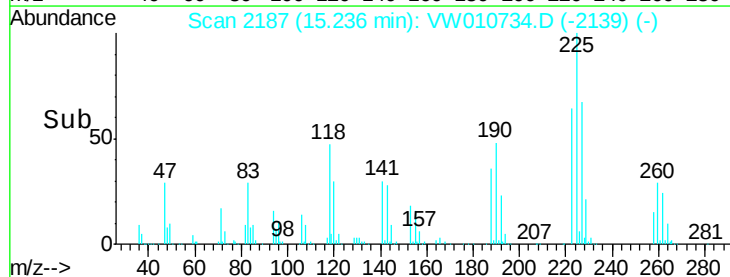
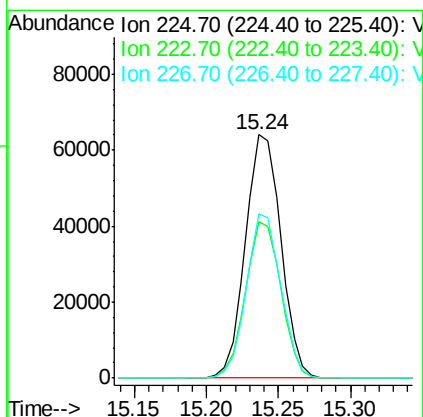
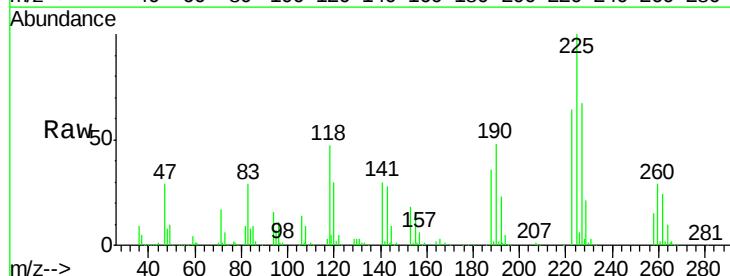
Manual Integrations
 APPROVED

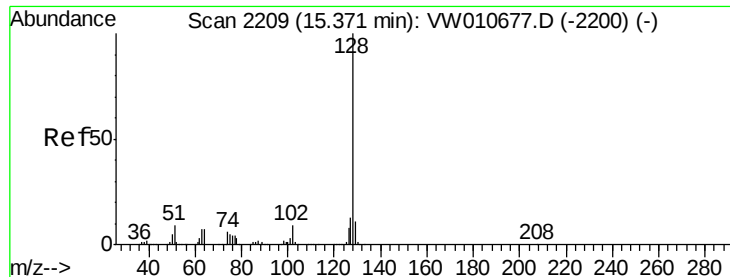
MMDadoda
 6/10/2019 12:24:52 PM



#94
 Hexachlorobutadiene
 Concen: 51.901 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010734.D
 Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109424		
223	64.0	32.2	96.6	
227	65.3	32.0	96.0	





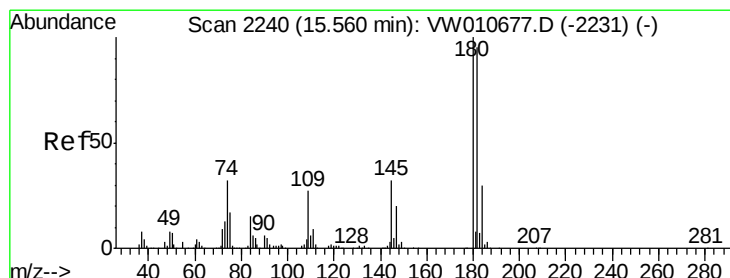
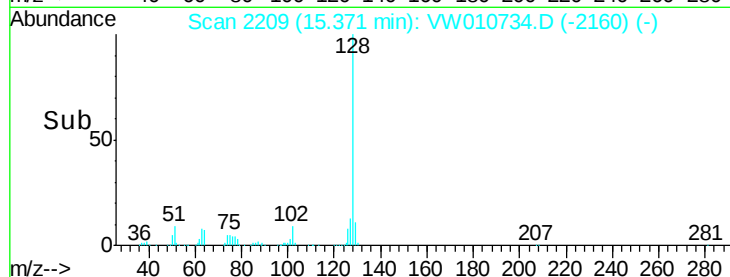
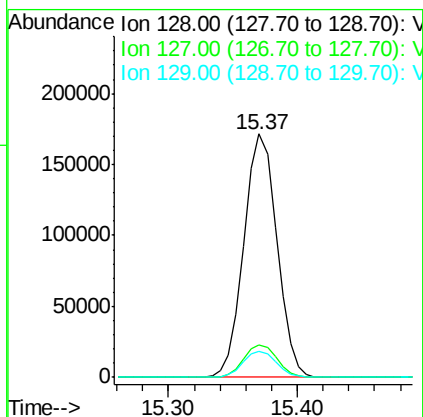
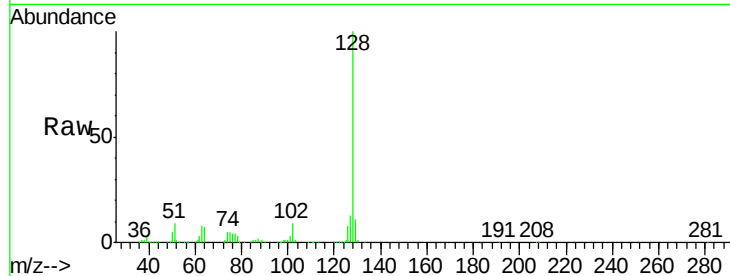
#95
Naphthalene
Concen: 49.811 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:24:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.818 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010734.D
Acq: 07 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.0	141.0
145	32.8	16.1	48.3

