

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008064.D
 Acq On : 07 Jan 2019 12:50
 Operator : SY/AP
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 11:53:33 AM

Quant Time: Jan 08 03:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	120202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43373	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.88	113	39118	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.32	98	152477	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	51420	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12967	18.839	ug/l	100
3) Chloromethane	2.21	50	9871	19.331	ug/l	94
4) Vinyl Chloride	2.37	62	14106	21.389	ug/l	97
5) Bromomethane	2.78	94	8349	19.926	ug/l	97
6) Chloroethane	2.93	64	6808	20.197	ug/l	100
7) Trichlorofluoromethane	3.26	101	13356	20.175	ug/l	95
8) Diethyl Ether	3.68	74	7032	20.681	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15896	20.205	ug/l	99
10) Methyl Iodide	4.26	142	24240	19.152	ug/l	99
11) Tert butyl alcohol	5.21	59	4394m	81.525	ug/l	
12) 1,1-Dichloroethene	4.04	96	15032	19.961	ug/l	90
13) Acrolein	3.90	56	2944	80.617	ug/l	95
14) Allyl chloride	4.67	41	20959	20.544	ug/l	99
15) Acrylonitrile	5.37	53	12514	100.062	ug/l	99
16) Acetone	4.14	43	13463	104.835	ug/l	95
17) Carbon Disulfide	4.37	76	44370	19.289	ug/l	98
18) Methyl Acetate	4.67	43	6534	19.619	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	23813	20.094	ug/l	98
20) Methylene Chloride	4.90	84	15421	17.948	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	16058	19.599	ug/l	95
22) Diisopropyl ether	6.31	45	38224	20.874	ug/l	97
23) Vinyl Acetate	6.26	43	105558	103.030	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26875	19.753	ug/l	99
25) 2-Butanone	7.18	43	15535	102.672	ug/l	96
26) 2,2-Dichloropropane	7.17	77	23137	20.641	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	17600	20.166	ug/l	96
28) Bromochloromethane	7.51	49	8112	18.550	ug/l #	98
29) Tetrahydrofuran	7.53	42	8923	94.941	ug/l	98
30) Chloroform	7.68	83	29871	19.590	ug/l	100
31) Cyclohexane	7.95	56	25736	20.295	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	29059	19.916	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23662	19.955	ug/l	99
37) Ethyl Acetate	7.26	43	7104	19.945	ug/l	98
38) Carbon Tetrachloride	8.06	117	27321	19.226	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008064.D
 Acq On : 07 Jan 2019 12:50
 Operator : SY/AP
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 11:53:33 AM

Quant Time: Jan 08 03:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28838	19.511	ug/l	98
40) Benzene	8.32	78	60918	19.474	ug/l	100
41) Methacrylonitrile	7.49	41	4567	21.808	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19789	18.987	ug/l	97
43) Isopropyl Acetate	8.43	43	14232	19.998	ug/l	99
44) Trichloroethene	9.09	130	18219	19.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	13356	19.726	ug/l	96
46) Dibromomethane	9.46	93	7629	19.272	ug/l	96
47) Bromodichloromethane	9.64	83	21216	19.135	ug/l	97
48) Methyl methacrylate	9.43	41	7546	21.030	ug/l	91
49) 1,4-Dioxane	9.47	88	1989	339.522	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	33306	101.105	ug/l	97
52) Toluene	10.39	92	41408	20.051	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	21052	19.745	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	23668	19.894	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	10460	19.516	ug/l	95
56) Ethyl methacrylate	10.65	69	12382	20.435	ug/l	96
57) 1,3-Dichloropropane	10.93	76	17492	19.207	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	29833	103.815	ug/l	100
59) 2-Hexanone	10.98	43	21367	93.955	ug/l	95
60) Dibromochloromethane	11.13	129	13034	17.766	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10302	19.207	ug/l	89
64) Tetrachloroethene	10.87	164	13798	20.649	ug/l	95
65) Chlorobenzene	11.66	112	41925	20.279	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	14956	19.977	ug/l	98
67) Ethyl Benzene	11.73	91	71946	19.606	ug/l	93
68) m/p-Xylenes	11.84	106	59323	41.815	ug/l	94
69) o-Xylene	12.17	106	25756	19.511	ug/l	87
70) Styrene	12.18	104	41745	19.402	ug/l	95
71) Bromoform	12.35	173	6639	19.140	ug/l #	97
73) Isopropylbenzene	12.47	105	75137	20.292	ug/l	99
74) N-amyl acetate	12.27	43	11878	20.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10422	22.121	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	6545m	17.668	ug/l	
77) Bromobenzene	12.75	156	17078	21.459	ug/l	95
78) n-propylbenzene	12.80	91	88726	20.668	ug/l	99
79) 2-Chlorotoluene	12.90	91	51397	20.715	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	66383	20.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3054	19.496	ug/l	93
82) 4-Chlorotoluene	12.99	91	56928	21.577	ug/l	95
83) tert-Butylbenzene	13.21	119	58728	21.061	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	67719	20.977	ug/l	97
85) sec-Butylbenzene	13.39	105	75388	19.653	ug/l	96
86) p-Isopropyltoluene	13.51	119	74366	21.493	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	32247	20.081	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	33338	20.970	ug/l	98
89) n-Butylbenzene	13.83	91	65984	20.849	ug/l	98
90) Hexachloroethane	14.10	117	12339	20.552	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	29290	20.757	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1902	19.891	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
Data File : VW008064.D
Acq On : 07 Jan 2019 12:50
Operator : SY/AP
Sample : VW0107SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM

Quant Time: Jan 08 03:56:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	19005	19.176	ug/l	96
94) Hexachlorobutadiene	15.24	225	11140	19.467	ug/l	93
95) Naphthalene	15.38	128	33037	19.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	16474	20.201	ug/l	96

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

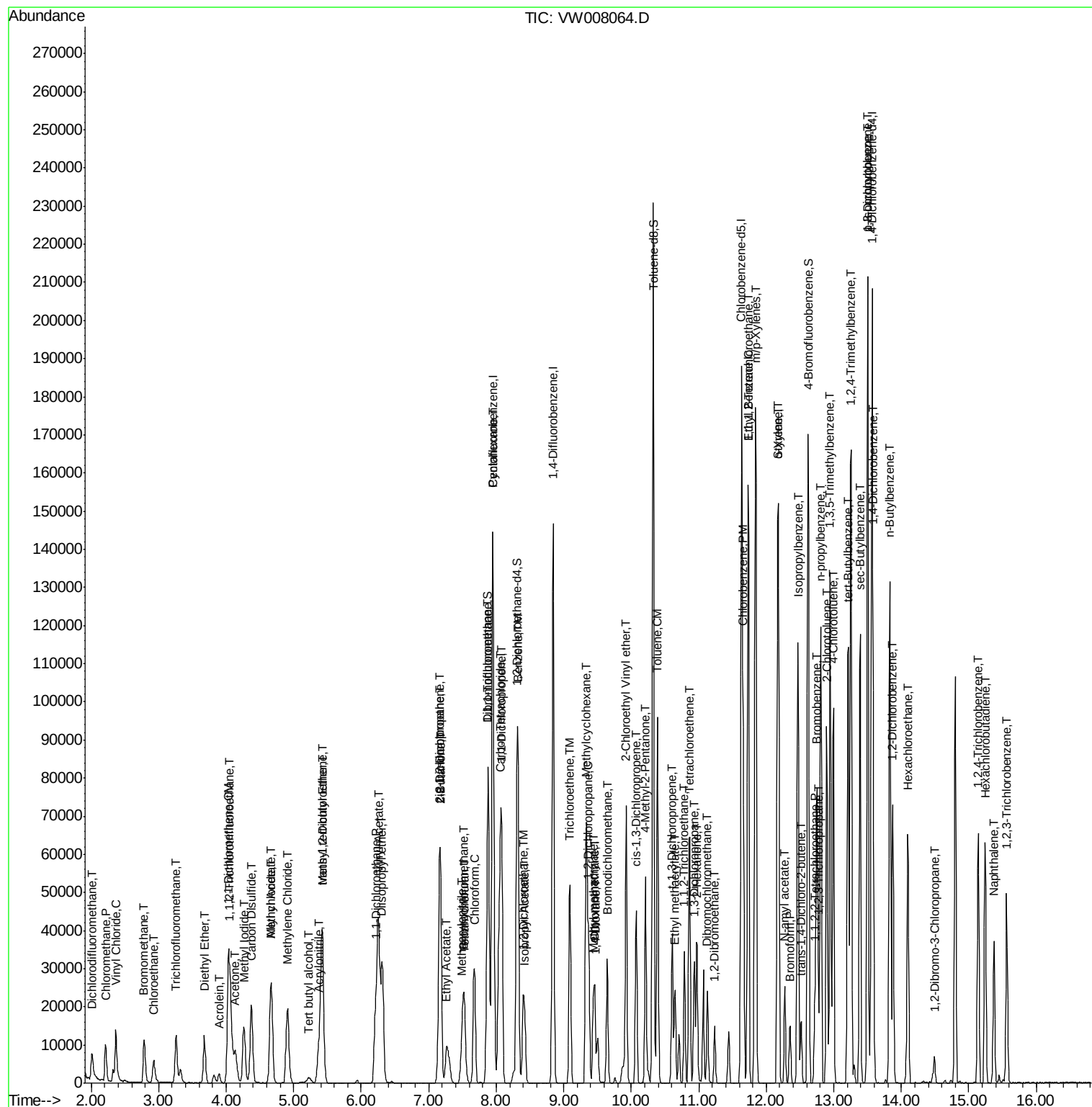
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010719\
Data File : VW008064.D
Acq On : 07 Jan 2019 12:50
Operator : SY/AP
Sample : VW0107SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

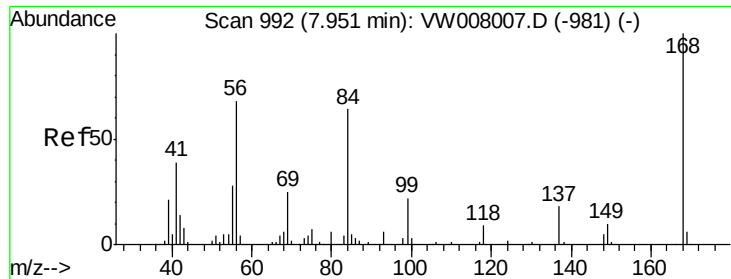
Instrument :
MSVOA_W
Client Sampled :
VW0107SBS01

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM

Quant Time: Jan 08 03:56:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion:168 Resp: 75006

Ion Ratio Lower Upper

168 100

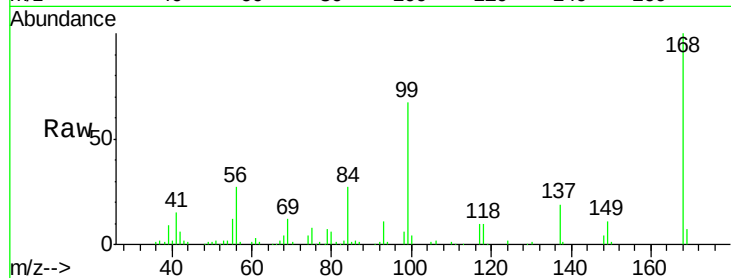
99 67.2 51.6 77.4

Manual Integrations

APPROVED

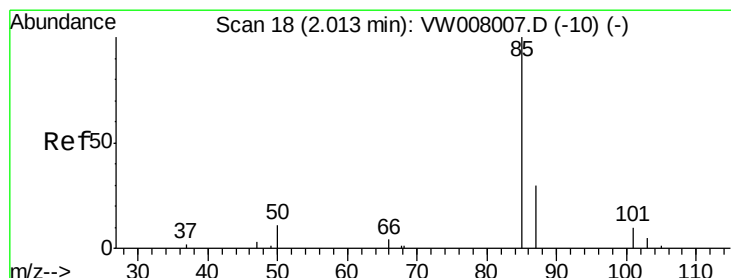
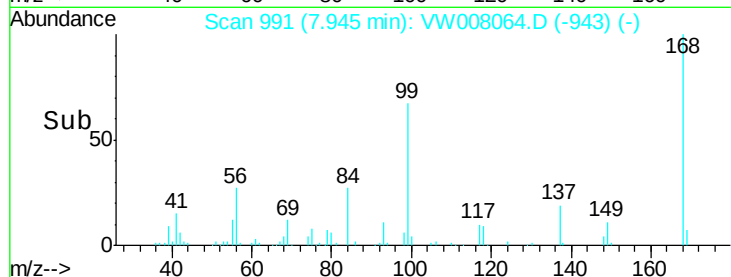
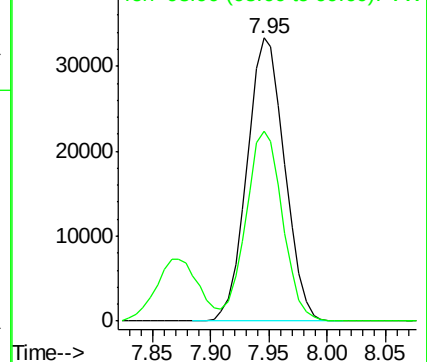
MMDadoda

1/8/2019 11:53:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.839 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008064.D

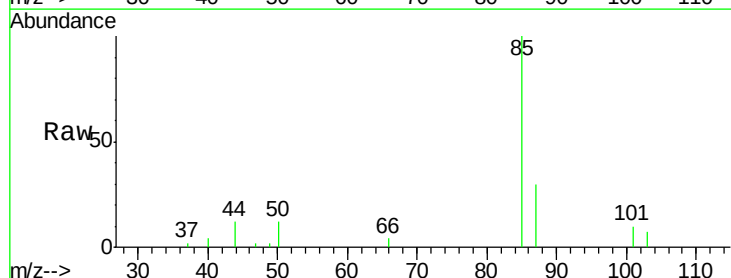
Acq: 07 Jan 2019 12:50

Tgt Ion: 85 Resp: 12967

Ion Ratio Lower Upper

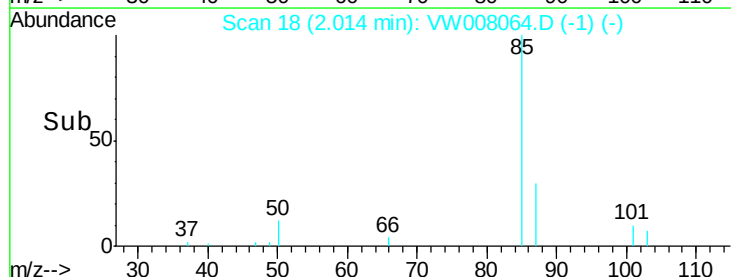
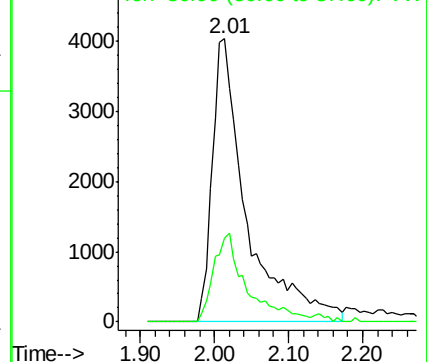
85 100

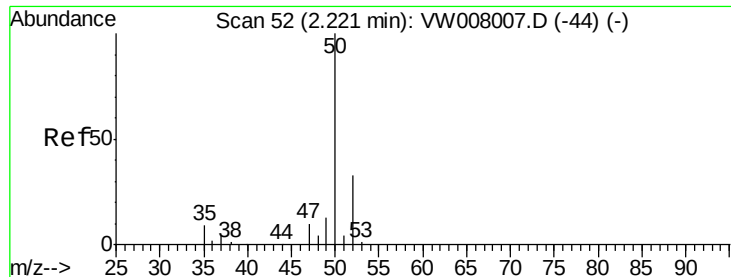
87 29.8 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.331 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion: 50 Resp: 9871

Ion Ratio Lower Upper

50 100

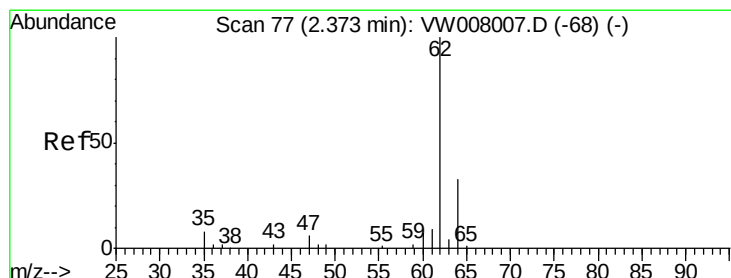
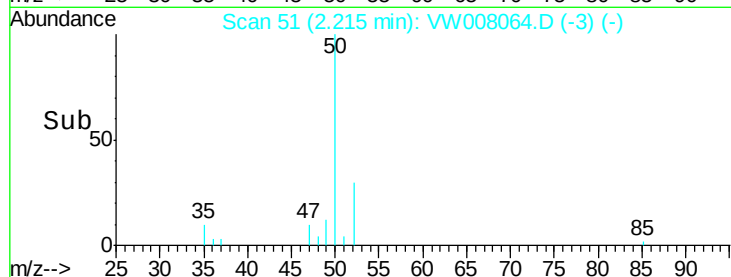
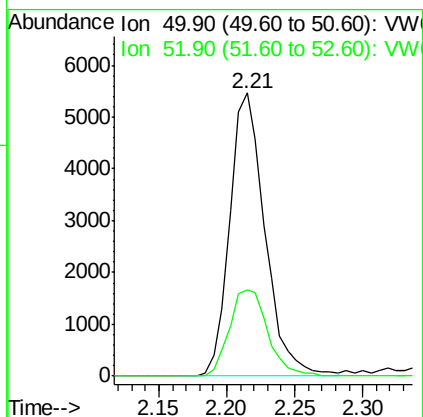
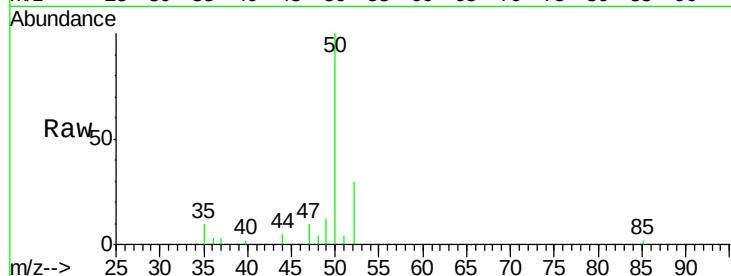
52 30.3 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#4

Vinyl Chloride

Concen: 21.389 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008064.D

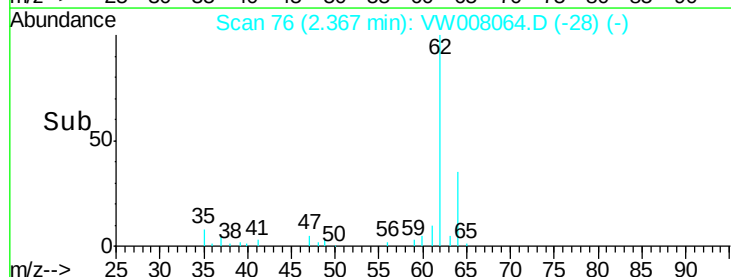
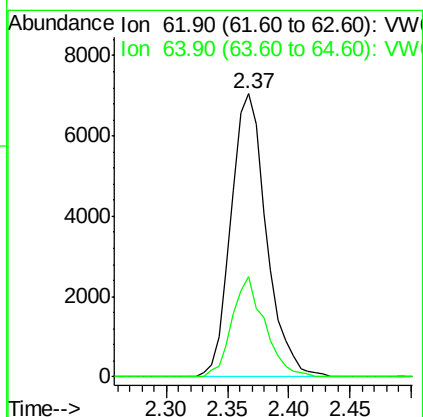
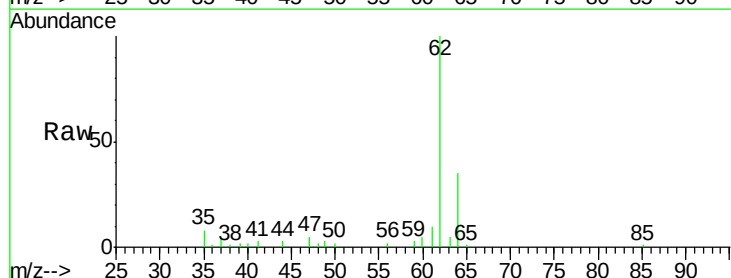
Acq: 07 Jan 2019 12:50

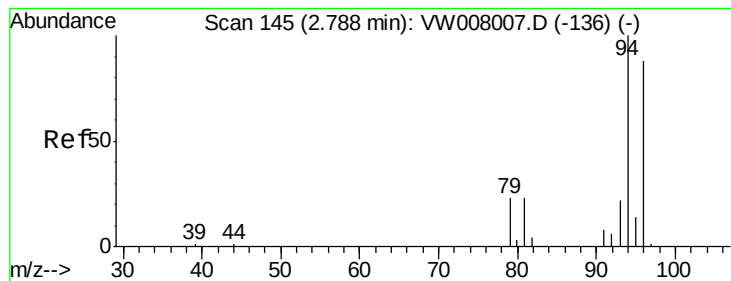
Tgt Ion: 62 Resp: 14106

Ion Ratio Lower Upper

62 100

64 35.3 26.8 40.2





#5

Bromomethane

Concen: 19.926 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion: 94 Resp: 8349

Ion Ratio Lower Upper

94 100

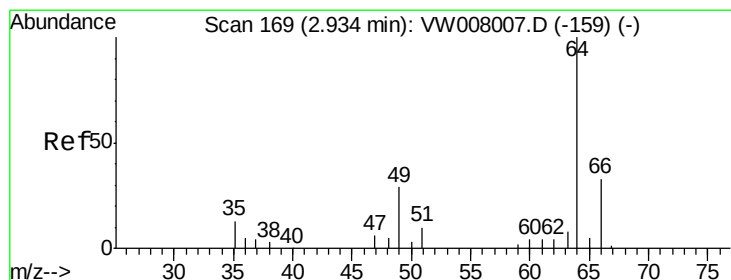
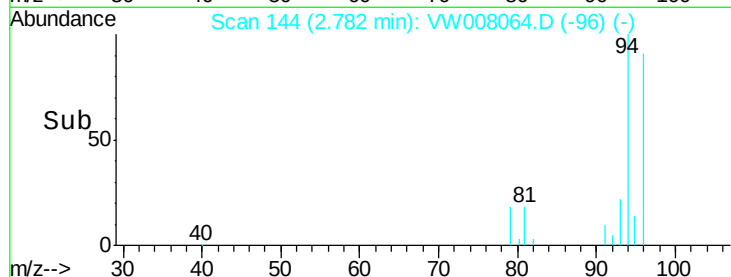
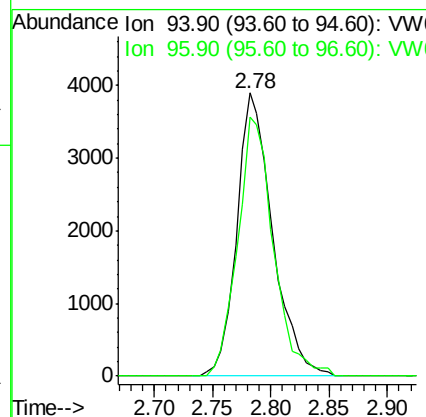
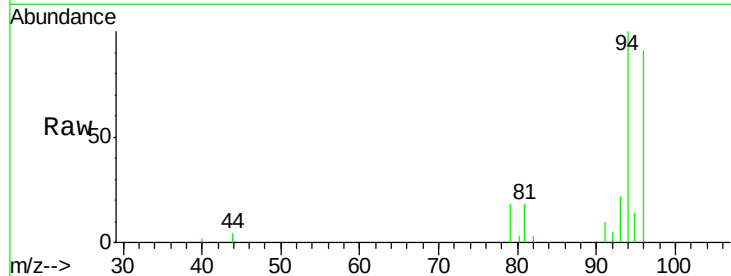
96 91.4 70.7 106.1

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#6

Chloroethane

Concen: 20.197 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008064.D

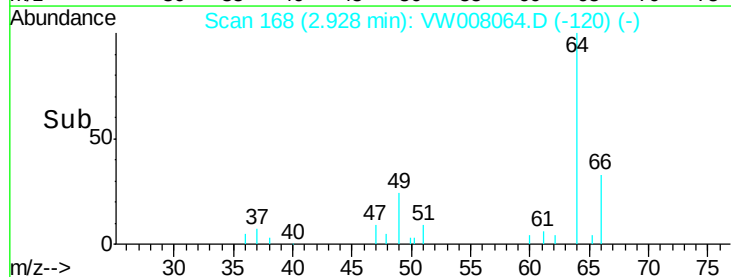
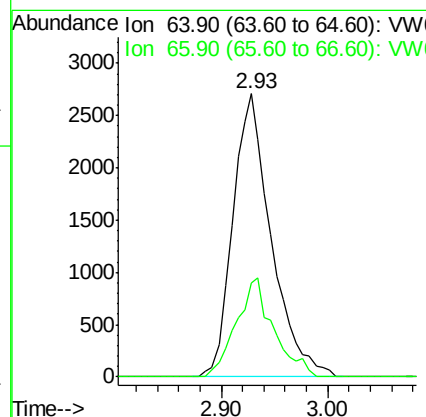
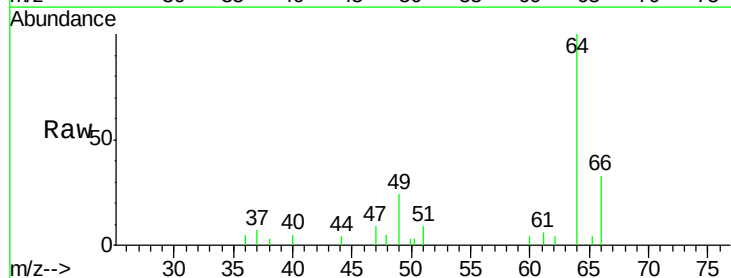
Acq: 07 Jan 2019 12:50

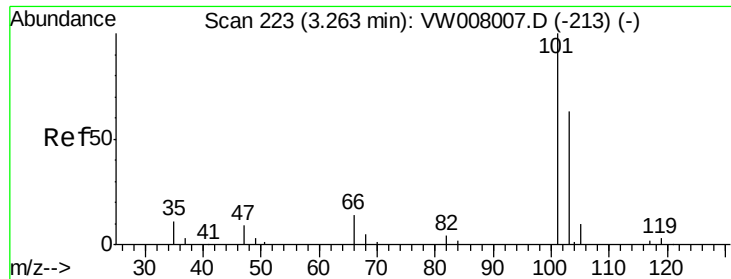
Tgt Ion: 64 Resp: 6808

Ion Ratio Lower Upper

64 100

66 33.3 26.6 39.8





#7

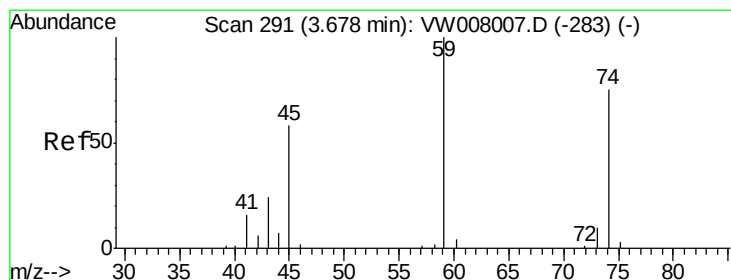
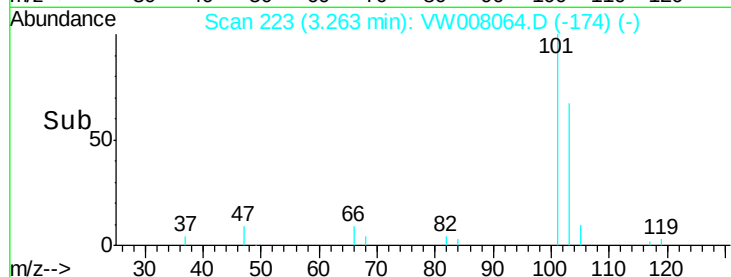
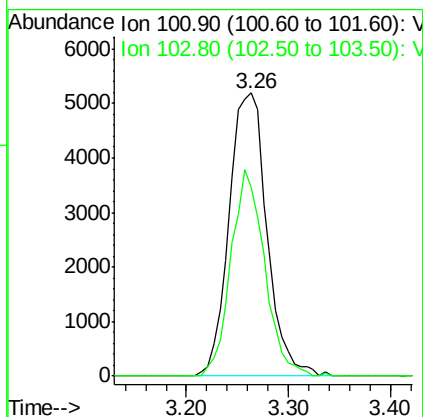
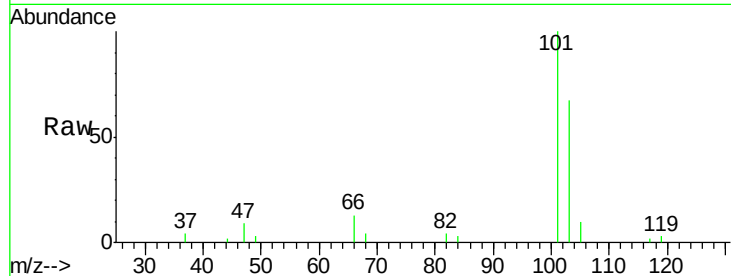
Trichlorofluoromethane
Concen: 20.175 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		13356		
103	66.7	50.5	75.7		

Manual Integrations
APPROVED

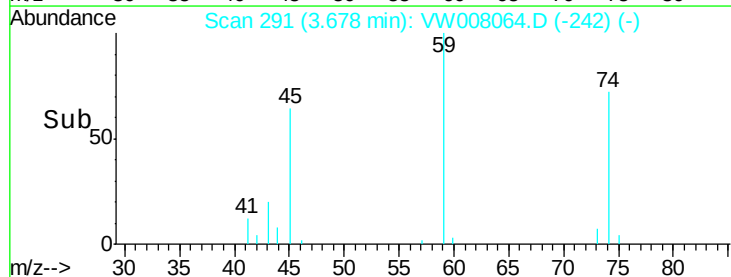
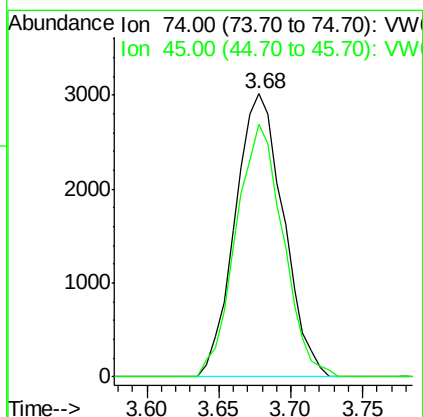
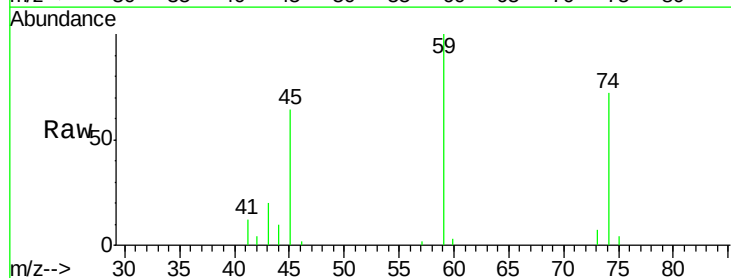
MMDadoda
1/8/2019 11:53:33 AM

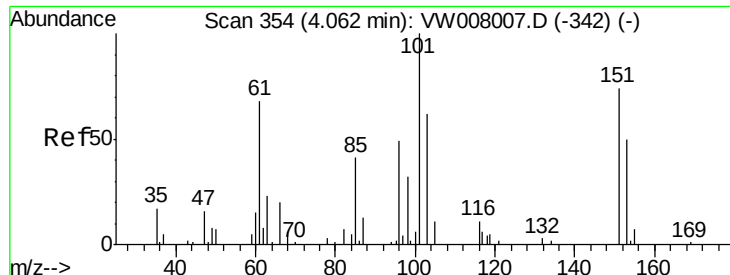


#8

Diethyl Ether
Concen: 20.681 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		7032		
45	87.1	41.4	124.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.205 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

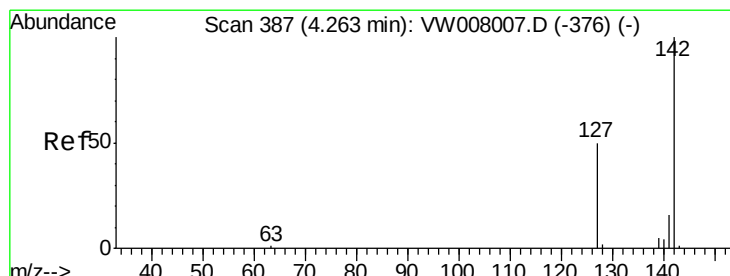
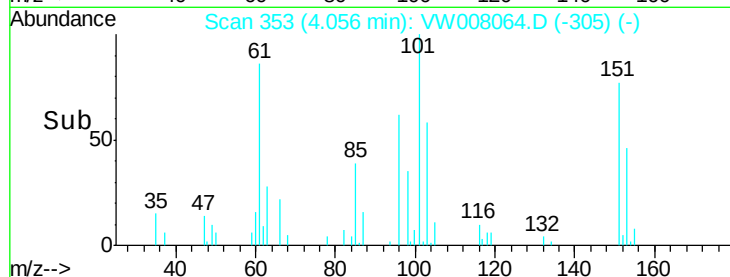
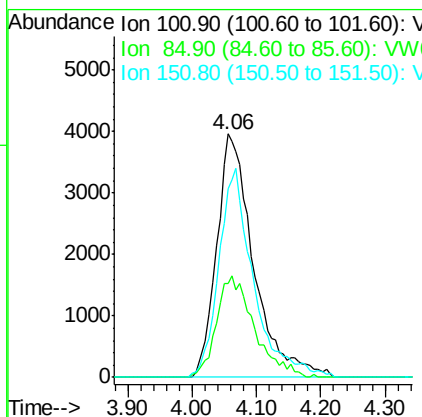
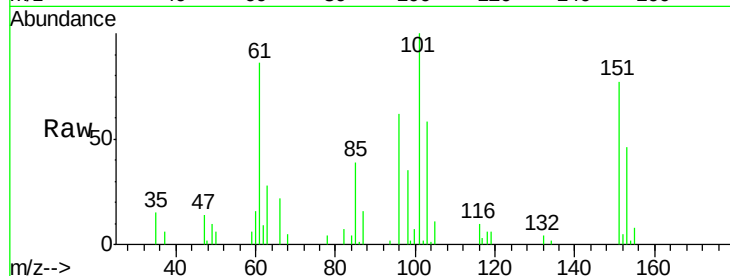
ClientSampleId :

VW0107SBS01

Tot Ion:	101	Resp:	15896
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.1	52.7
151	80.9	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#10

Methyl Iodide

Concen: 19.152 ug/l

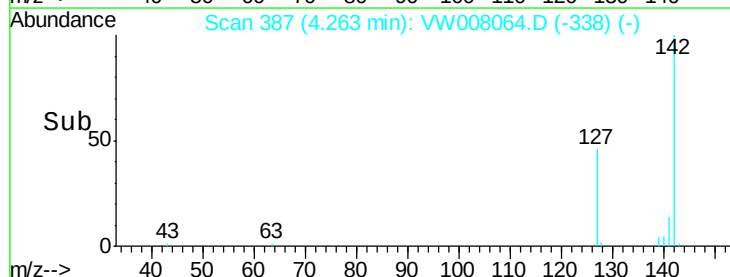
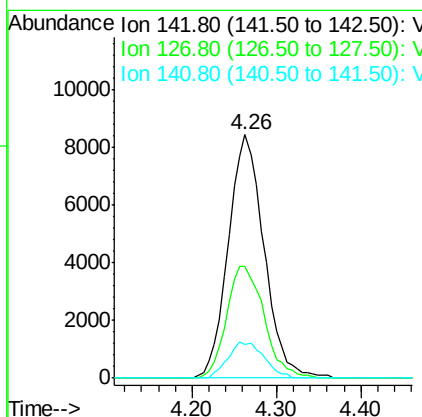
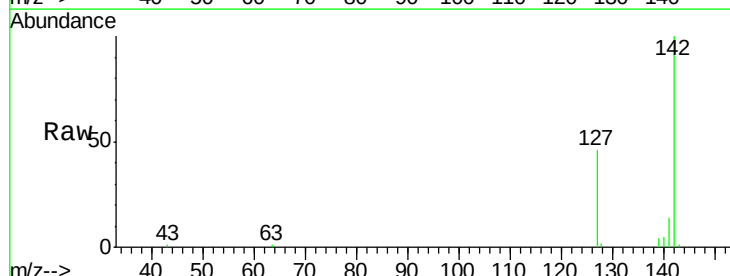
RT: 4.26 min Scan# 387

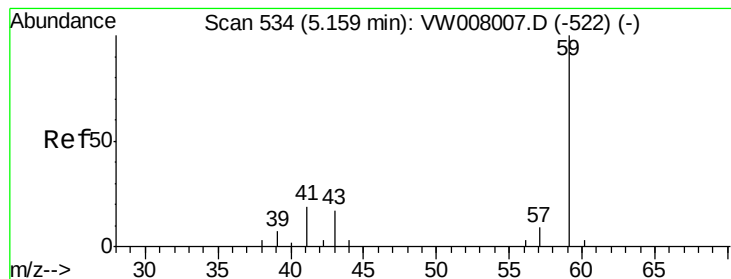
Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	142	Resp:	24240
Ion Ratio	Lower	Upper	
142	100		
127	48.0	39.4	59.0
141	14.9	12.1	18.1





#11

Tert butyl alcohol

Concen: 81.525 ug/l m

RT: 5.21 min Scan# 543

Delta R.T. 0.05 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion: 59 Resp: 4394

Ion Ratio Lower Upper

59 100

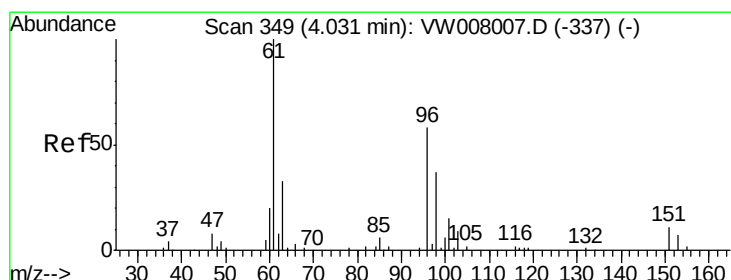
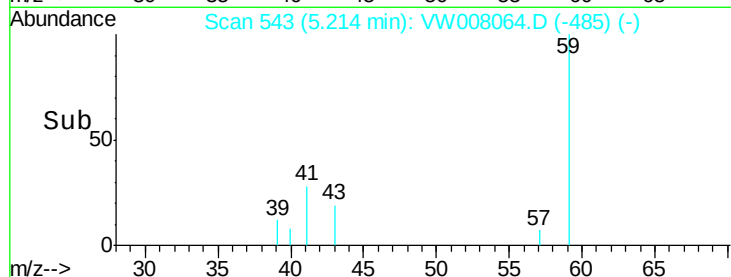
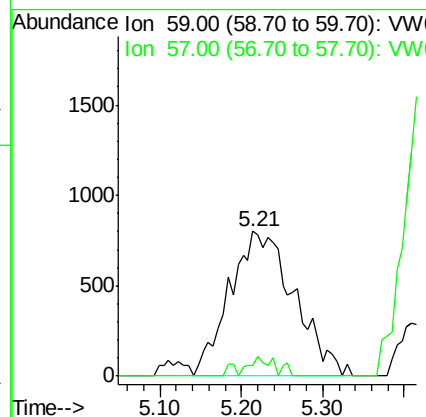
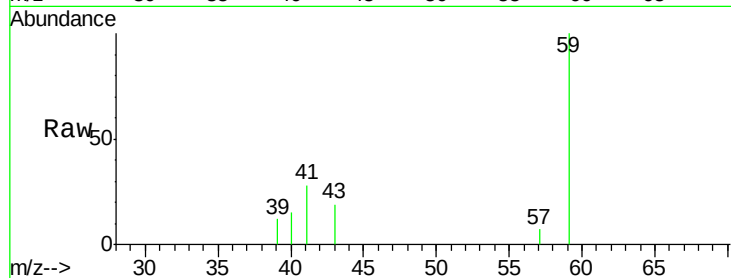
57 0.0 9.0 13.4#

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#12

1,1-Dichloroethene

Concen: 19.961 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

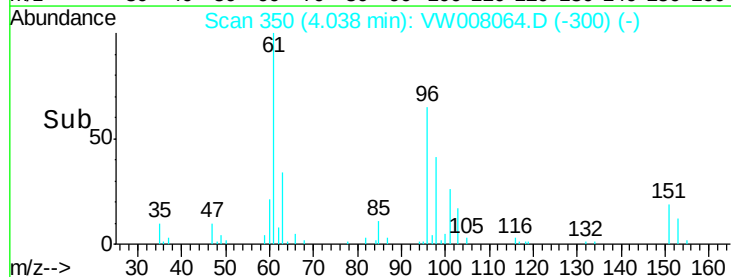
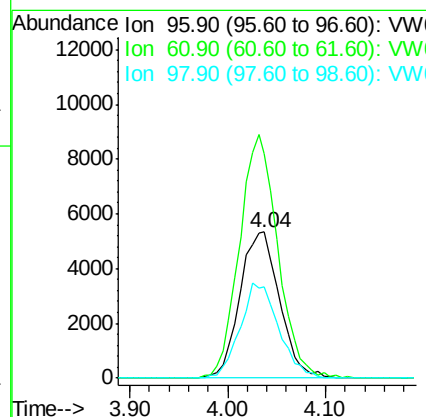
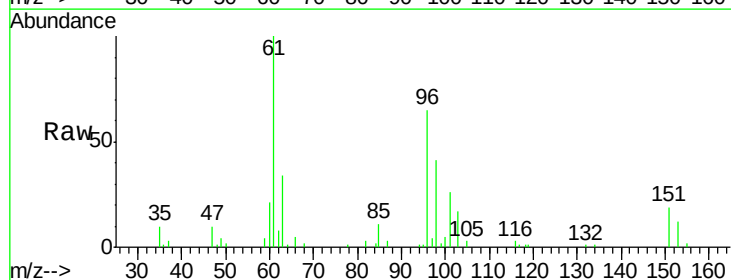
Tgt Ion: 96 Resp: 15032

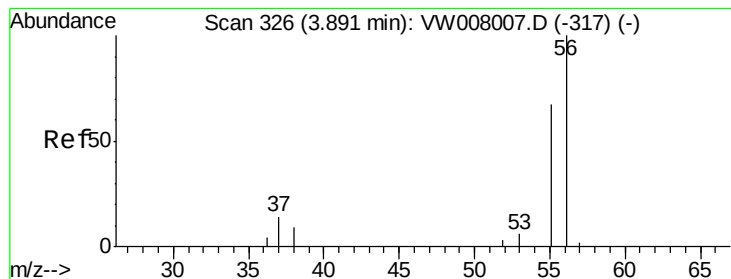
Ion Ratio Lower Upper

96 100

61 153.8 137.3 205.9

98 62.4 50.5 75.7





#13

Acrolein

Concen: 80.617 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion: 56 Resp: 2944

Ion Ratio Lower Upper

56 100

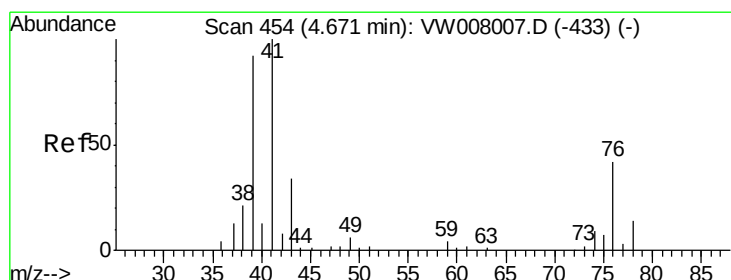
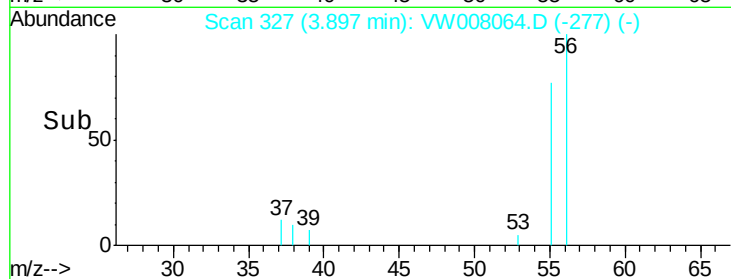
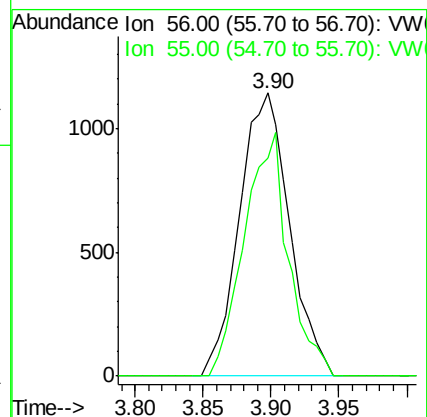
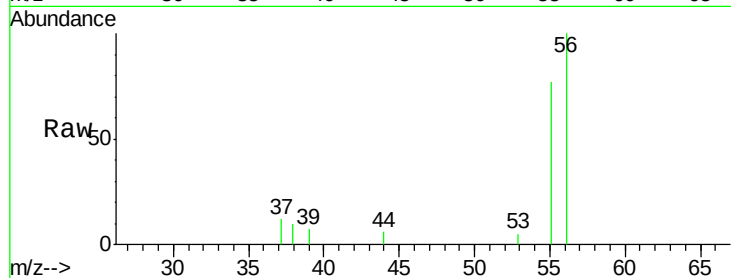
55 75.9 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#14

Allyl chloride

Concen: 20.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

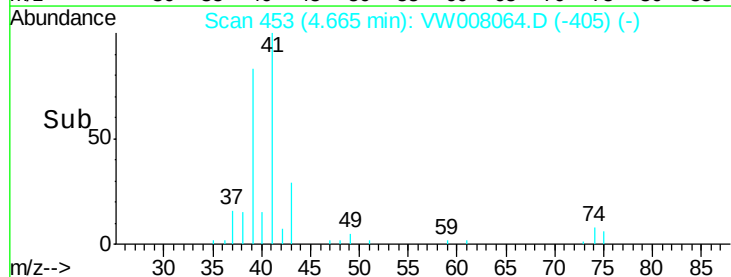
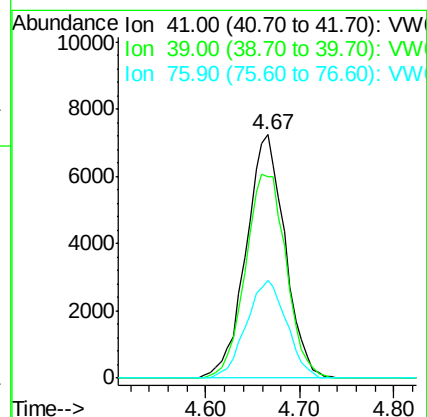
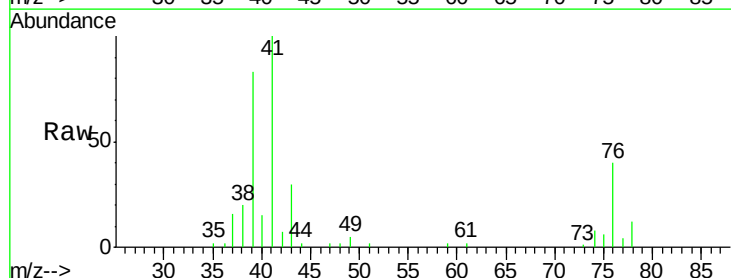
Tgt Ion: 41 Resp: 20959

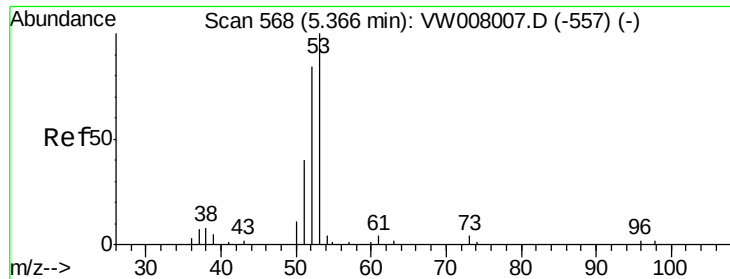
Ion Ratio Lower Upper

41 100

39 87.9 71.1 106.7

76 41.3 33.4 50.2





#15

Acrylonitrile

Concen: 100.062 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

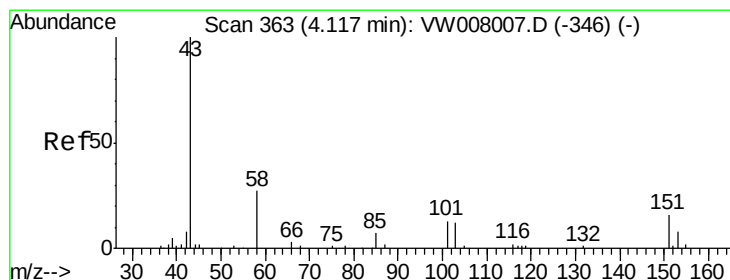
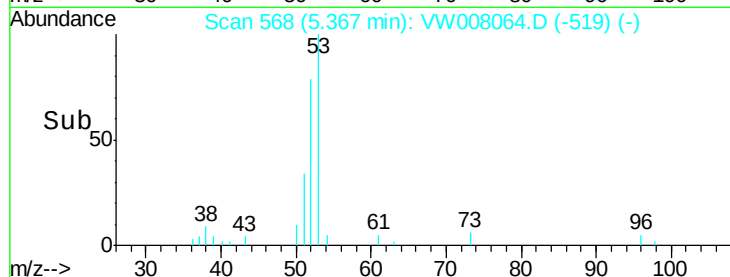
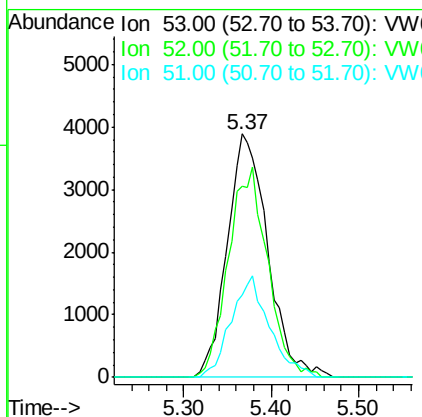
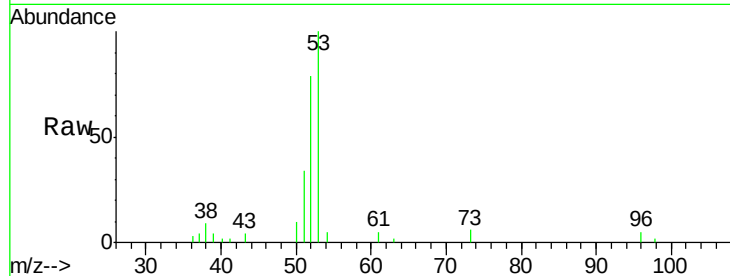
ClientSampleId :

VW0107SBS01

Tot Ion:	53	Resp:	12514
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.8	101.8
51	39.4	31.5	47.3

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#16

Acetone

Concen: 104.835 ug/l

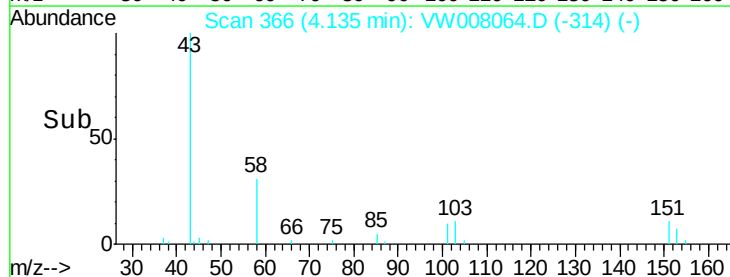
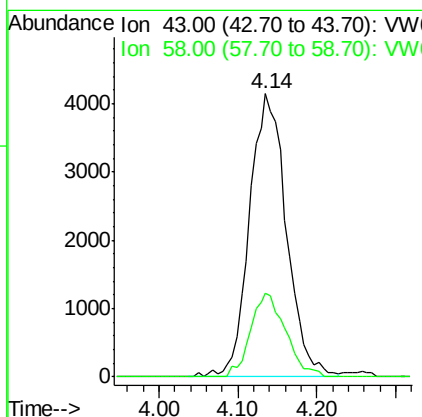
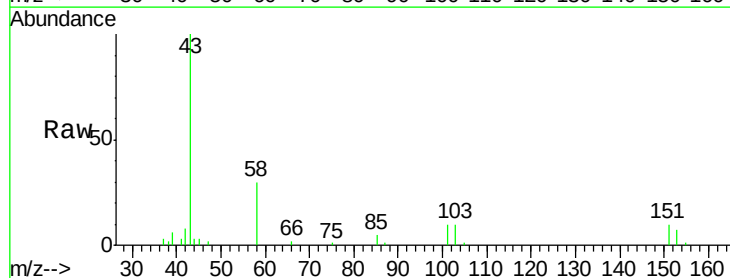
RT: 4.14 min Scan# 366

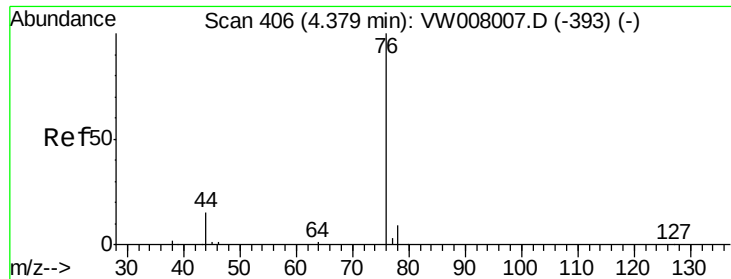
Delta R.T. 0.02 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	43	Resp:	13463
Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.7	32.5





#17

Carbon Disulfide

Concen: 19.289 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion: 76 Resp: 44370

Ion Ratio Lower Upper

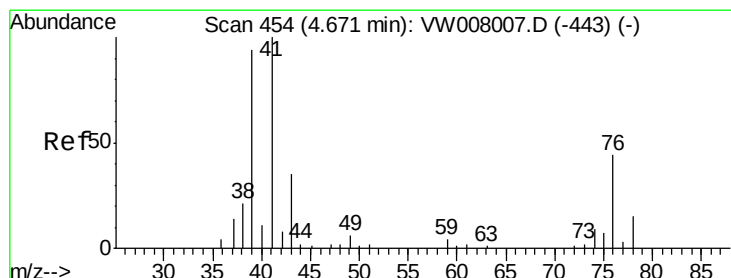
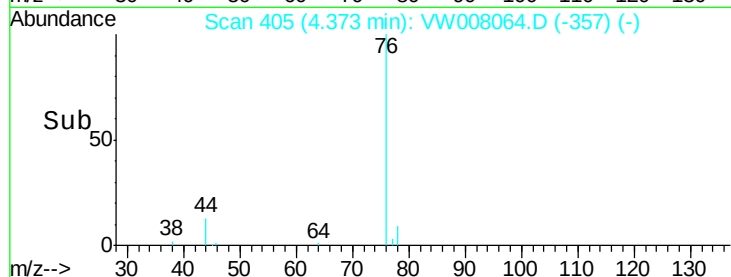
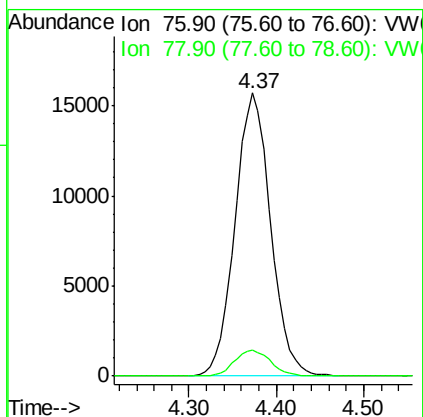
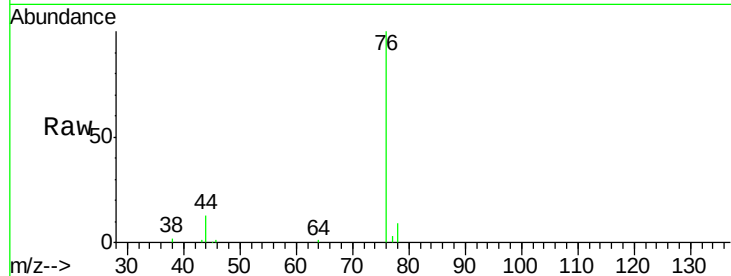
76 100

78 9.4 7.0 10.4

Manual Integrations
APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#18

Methyl Acetate

Concen: 19.619 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008064.D

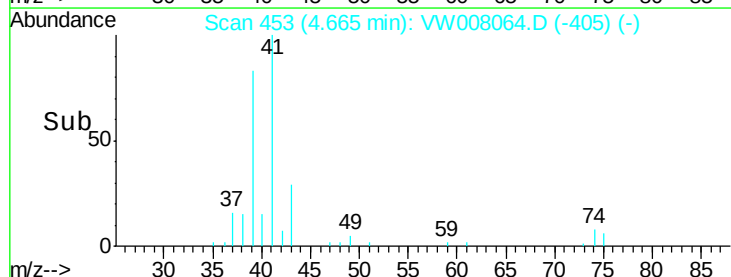
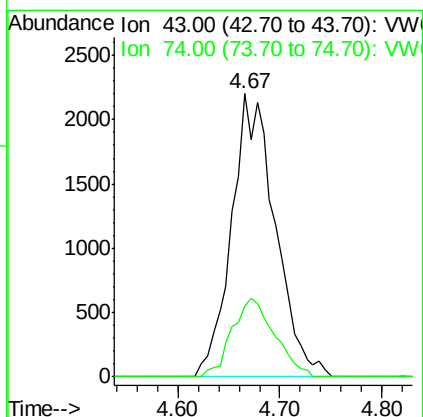
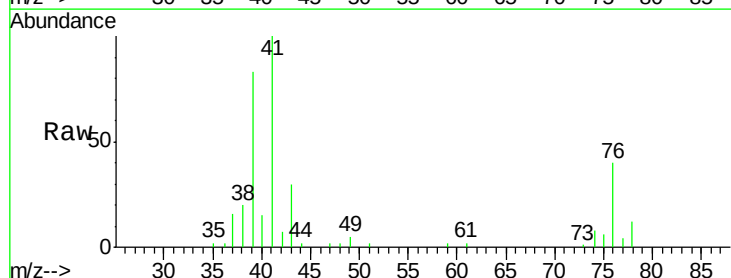
Acq: 07 Jan 2019 12:50

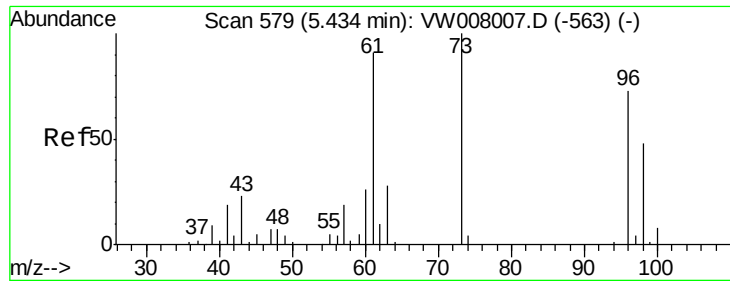
Tgt Ion: 43 Resp: 6534

Ion Ratio Lower Upper

43 100

74 27.1 21.4 32.2





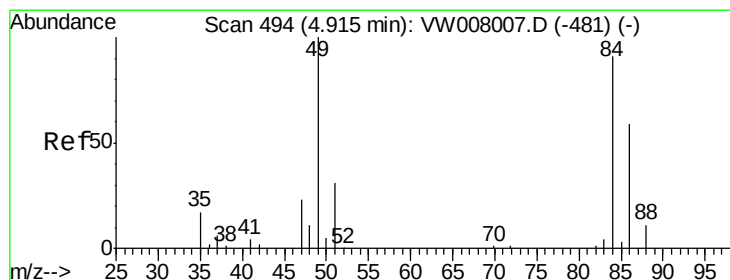
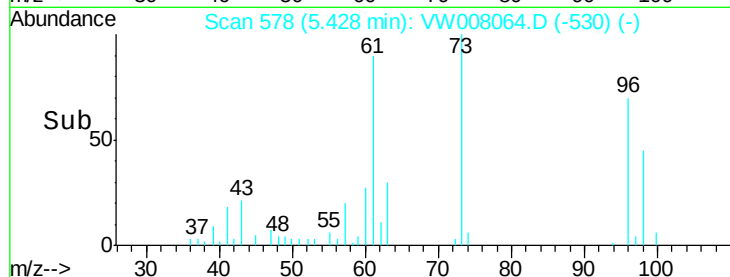
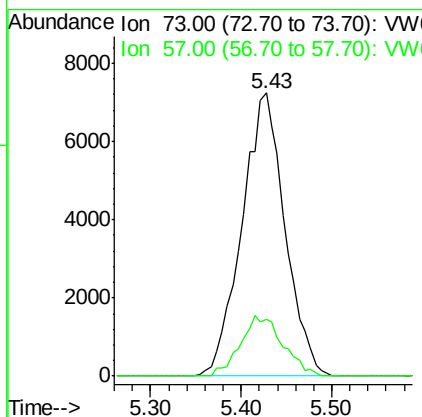
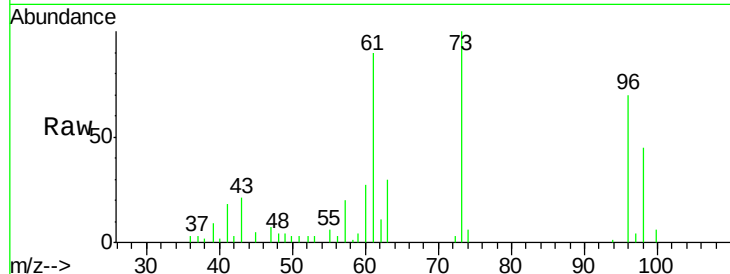
#19
Methyl tert-butyl Ether
Concen: 20.094 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion: 73 Resp: 23813
Ion Ratio Lower Upper
73 100
57 20.1 15.4 23.0

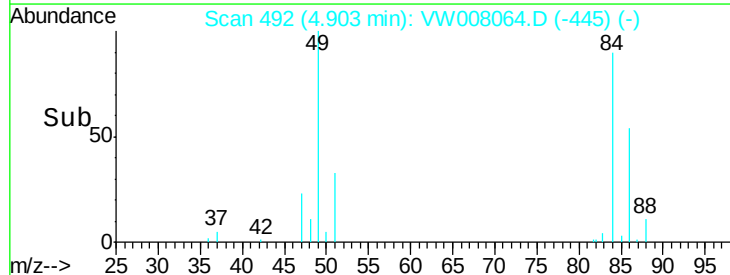
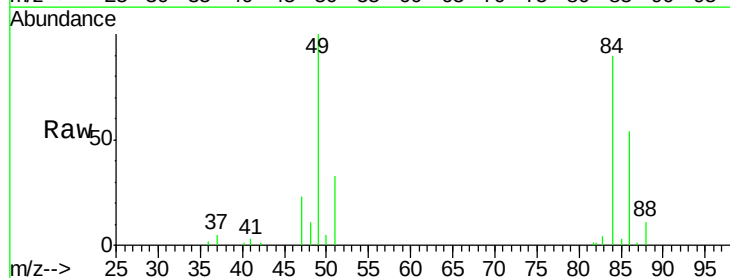
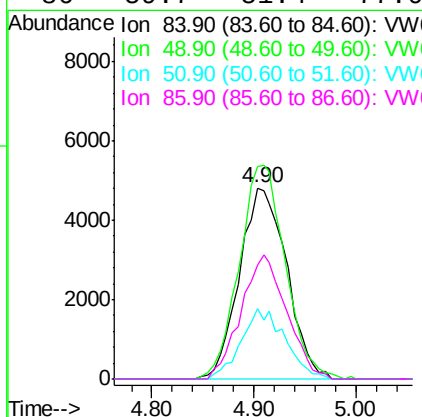
Manual Integrations
APPROVED

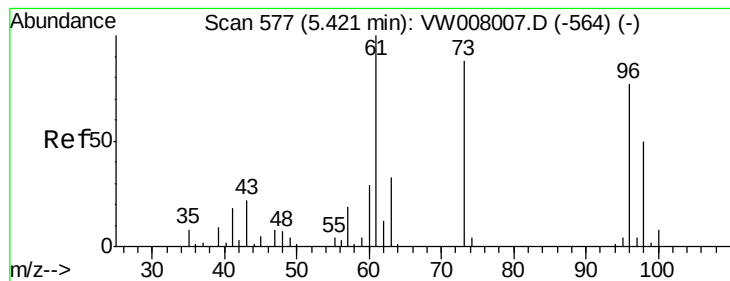
MMDadoda
1/8/2019 11:53:33 AM



#20
Methylene Chloride
Concen: 17.948 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 84 Resp: 15421
Ion Ratio Lower Upper
84 100
49 111.1 87.7 131.5
51 36.8 27.3 40.9
86 59.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.599 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion: 96 Resp: 16058

Ion Ratio Lower Upper

96 100

61 124.9 104.2 156.2

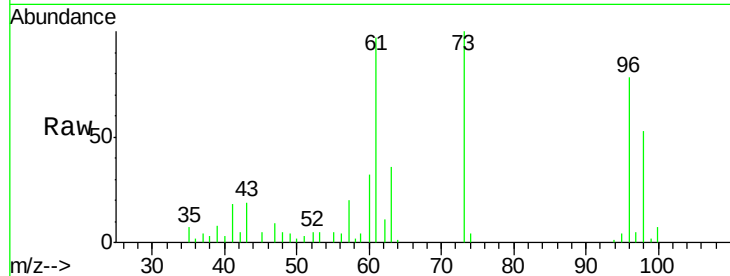
98 68.8 51.8 77.6

Manual Integrations

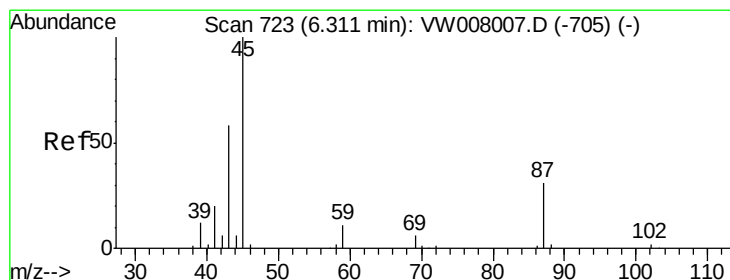
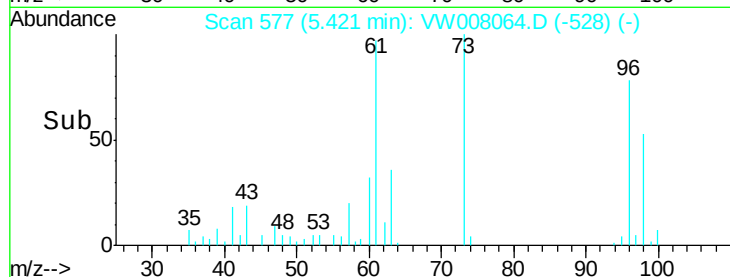
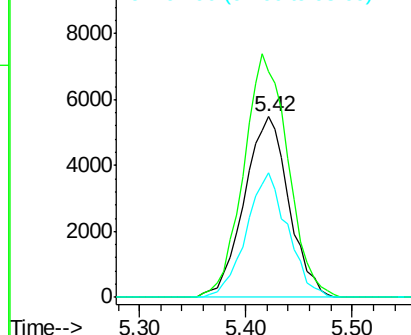
APPROVED

MMDadoda

1/8/2019 11:53:33 AM



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.874 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion: 45 Resp: 38224

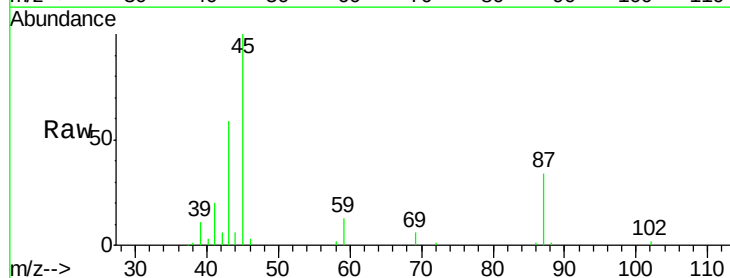
Ion Ratio Lower Upper

45 100

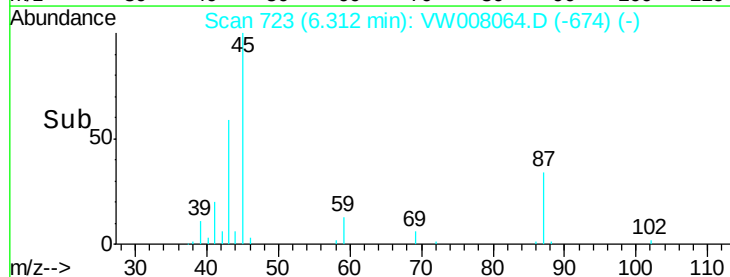
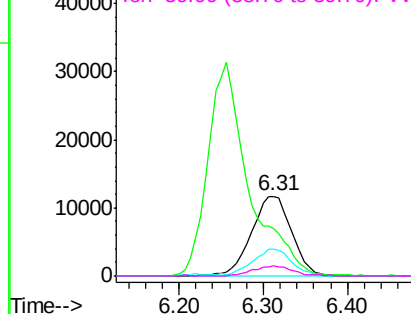
43 57.8 48.1 72.1

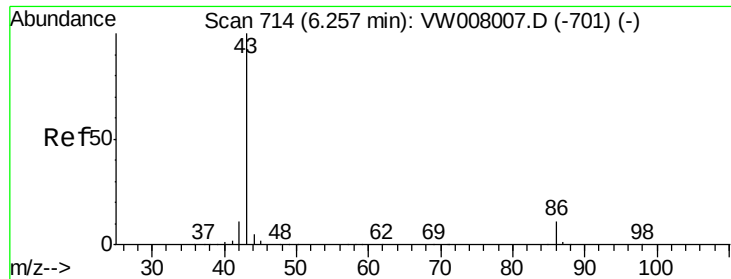
87 33.6 25.8 38.8

59 12.5 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 103.030 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion: 43 Resp: 105558

Ion Ratio Lower Upper

43 100

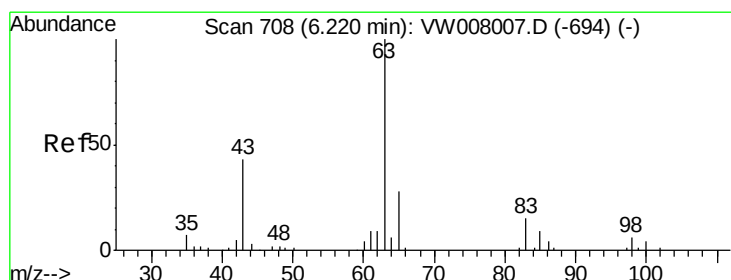
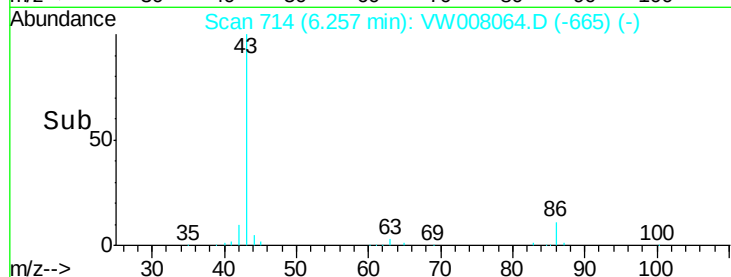
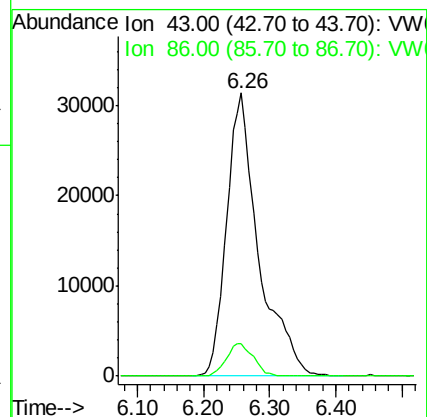
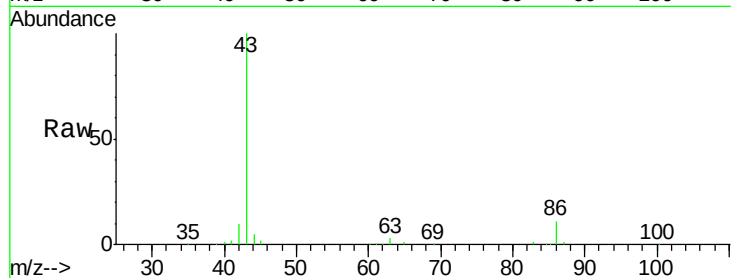
86 11.4 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#24

1,1-Dichloroethane

Concen: 19.753 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

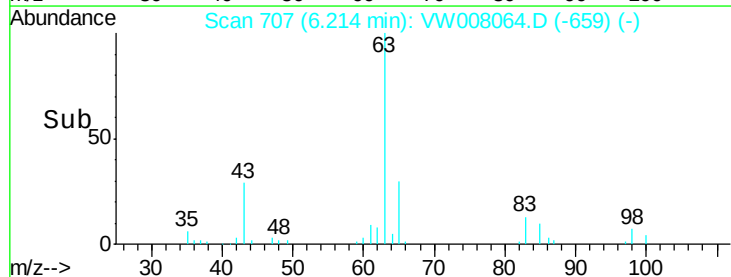
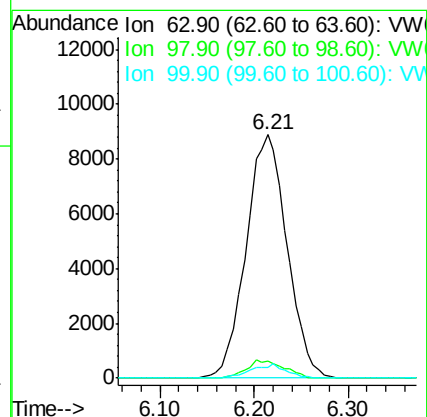
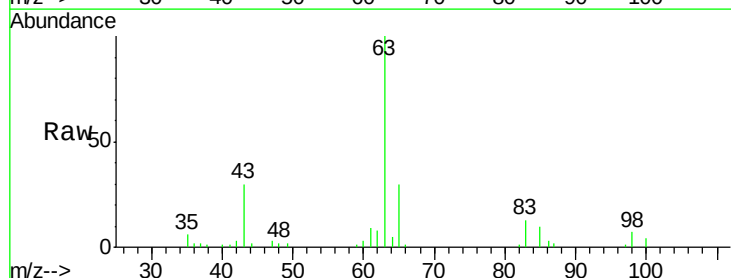
Tgt Ion: 63 Resp: 26875

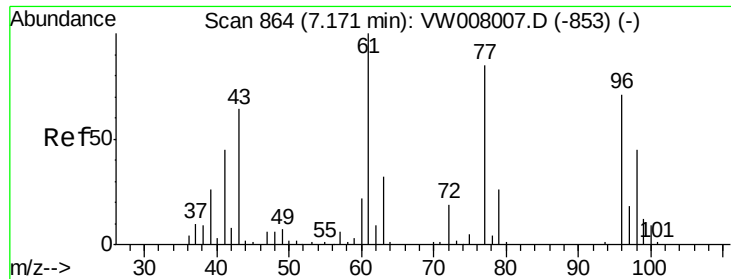
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 102.672 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion: 43 Resp: 15535

Ion Ratio Lower Upper

43 100

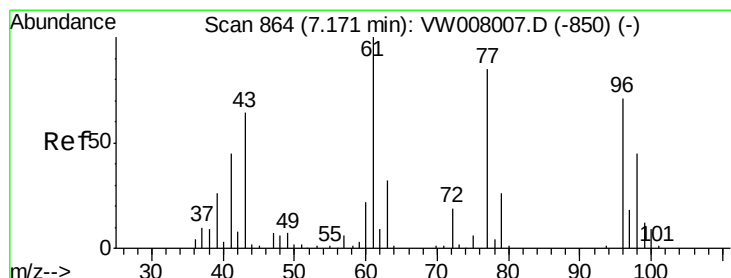
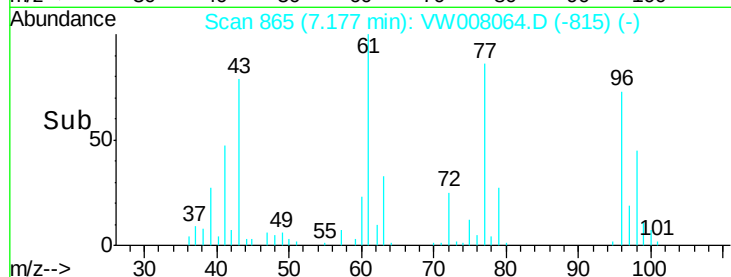
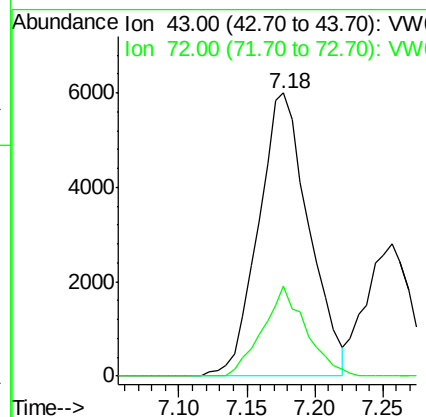
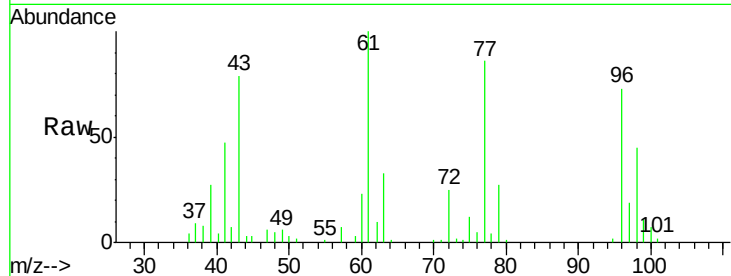
72 32.1 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#26

2,2-Dichloropropane

Concen: 20.641 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008064.D

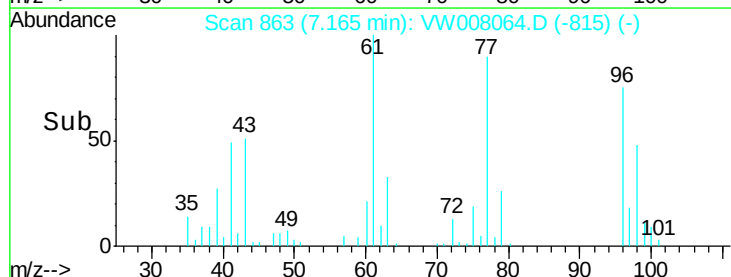
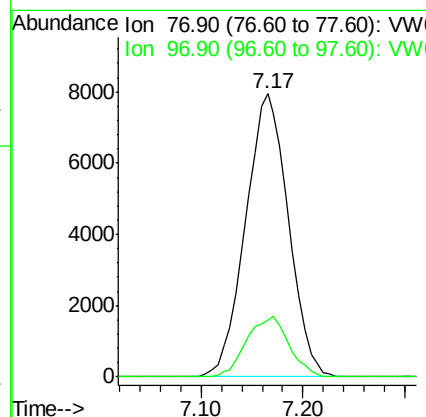
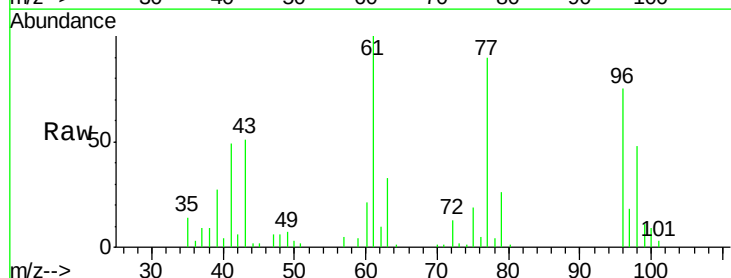
Acq: 07 Jan 2019 12:50

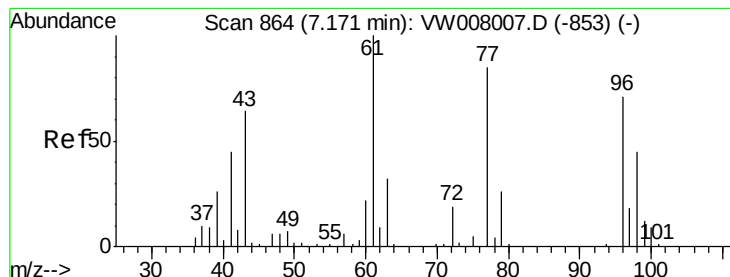
Tgt Ion: 77 Resp: 23137

Ion Ratio Lower Upper

77 100

97 21.1 11.0 33.0





#27

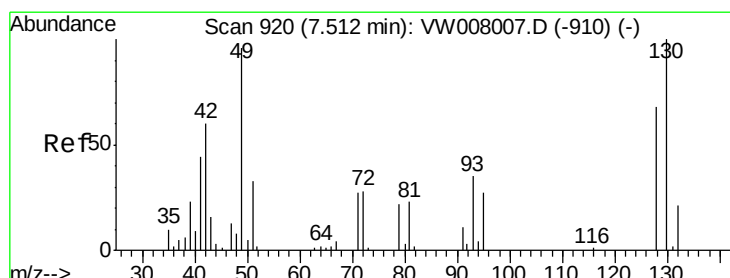
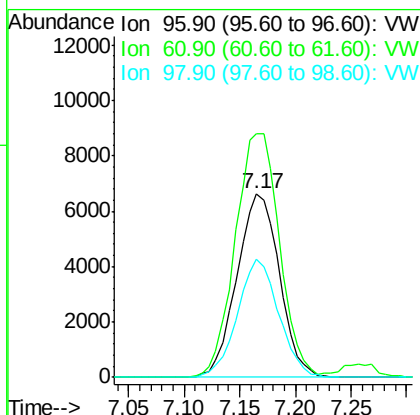
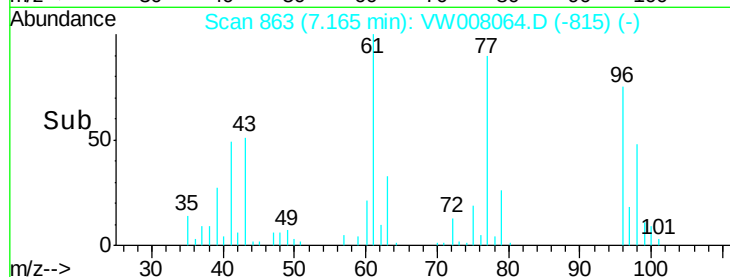
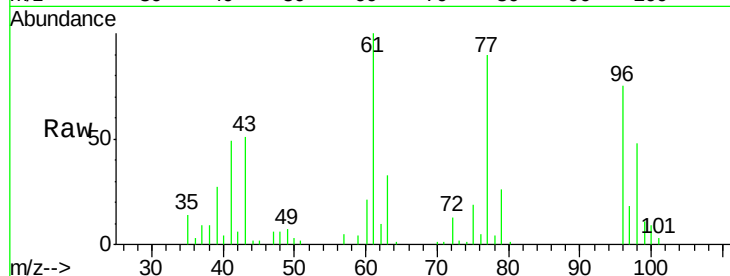
cis-1,2-Dichloroethene
Concen: 20.166 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	17600		
61	138.7		0.0	286.4
98	62.3		0.0	130.6

Manual Integrations
APPROVED

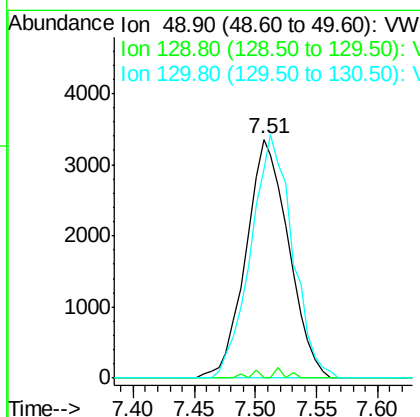
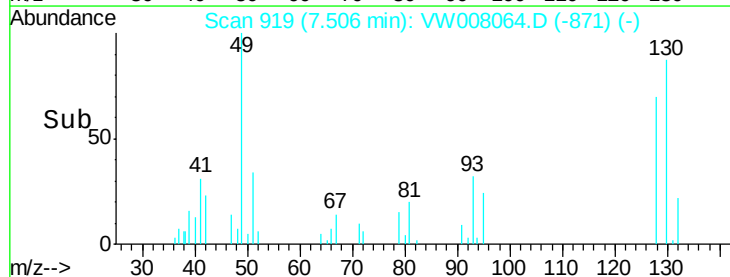
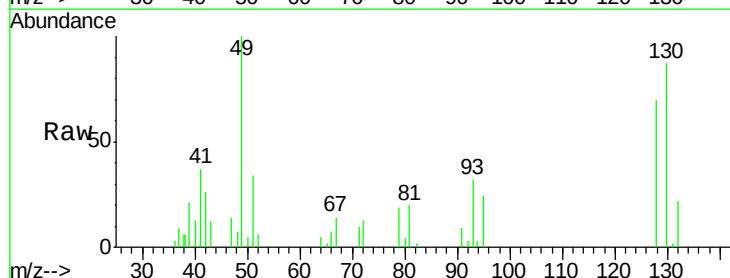
MMDadoda
1/8/2019 11:53:33 AM

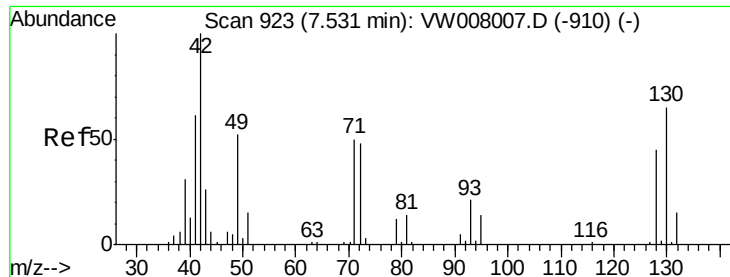


#28

Bromochloromethane
Concen: 18.550 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	8112		
129	1.1		0.0	0.8#
130	100.1		78.5	117.7





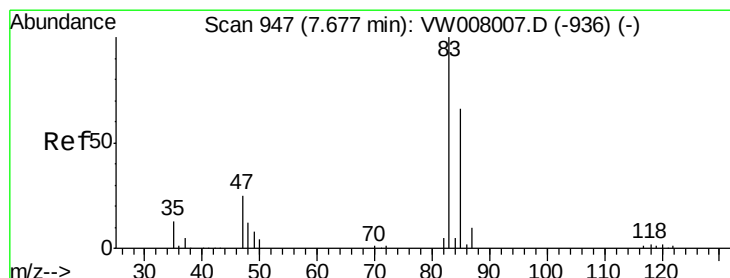
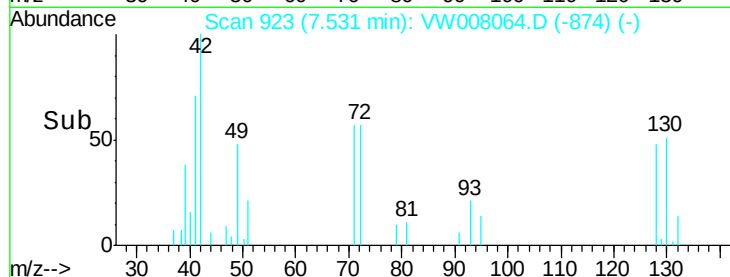
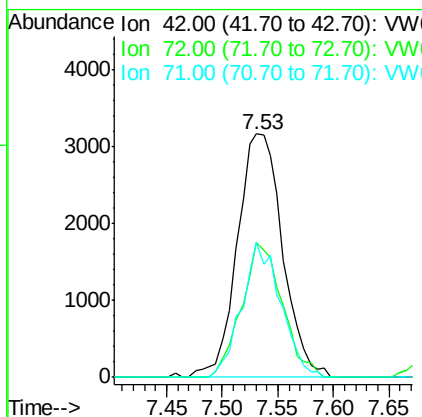
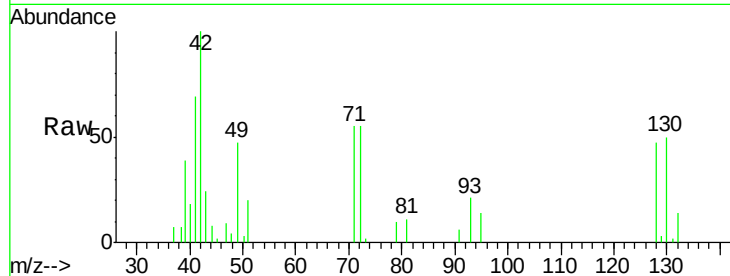
#29
Tetrahydrofuran
Concen: 94.941 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.0	58.6
71	47.7	39.1	58.7

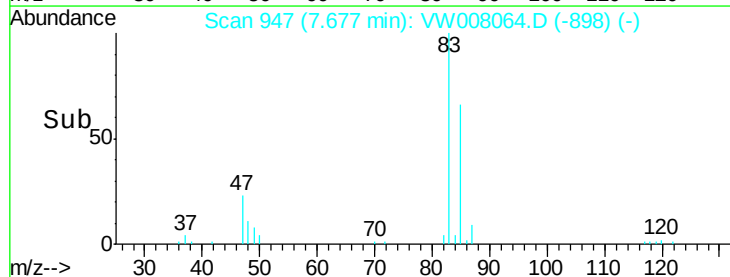
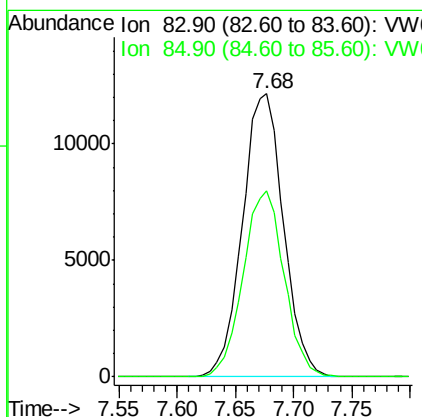
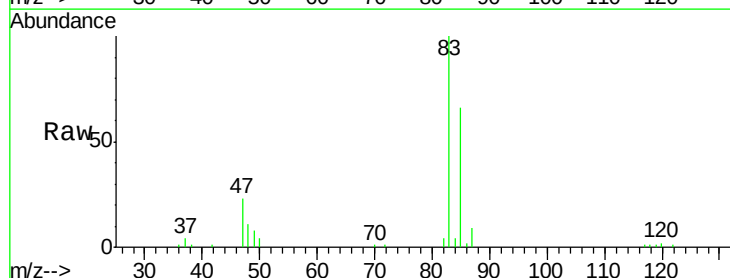
Manual Integrations
APPROVED

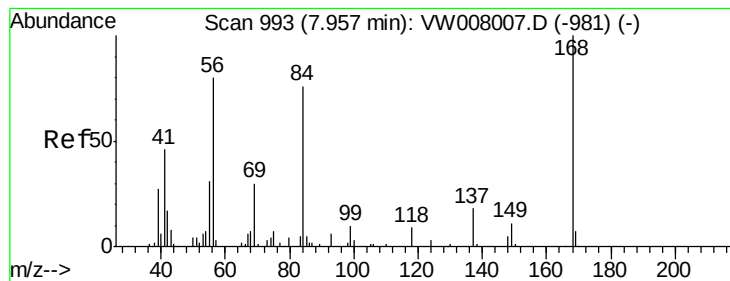
MMDadoda
1/8/2019 11:53:33 AM



#30
Chloroform
Concen: 19.590 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.7	79.1





#31

Cyclohexane

Concen: 20.295 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

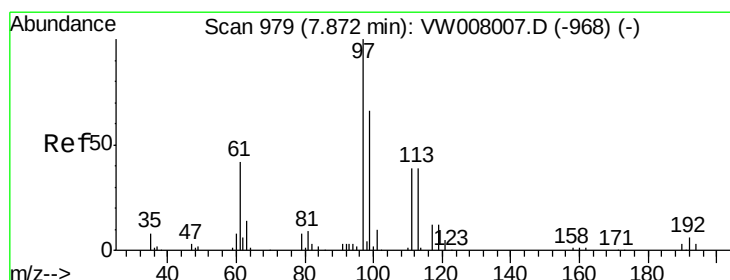
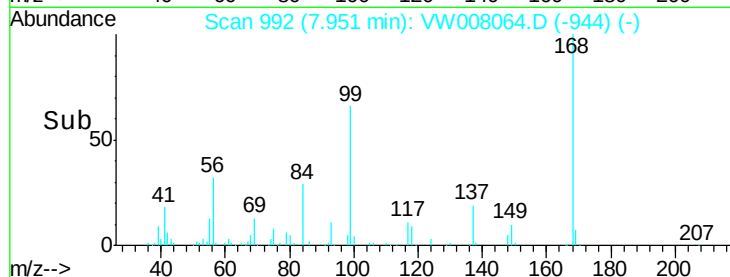
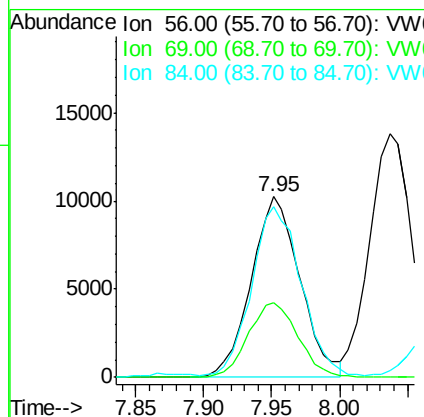
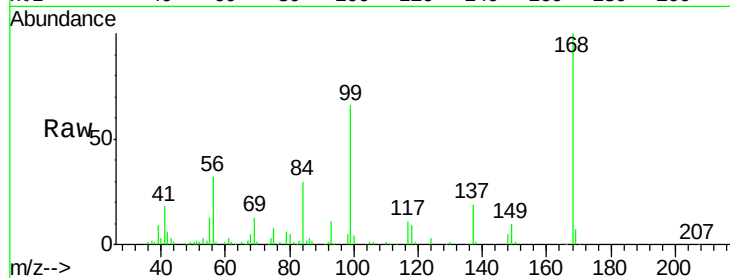
ClientSampled :

VW0107SBS01

Tot Ion:	56	Resp:	25736
Ion Ratio	Lower	Upper	
56	100		
69	41.2	29.8	44.6
84	92.4	75.2	112.8

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#32

1,1,1-Trichloroethane

Concen: 19.916 ug/l

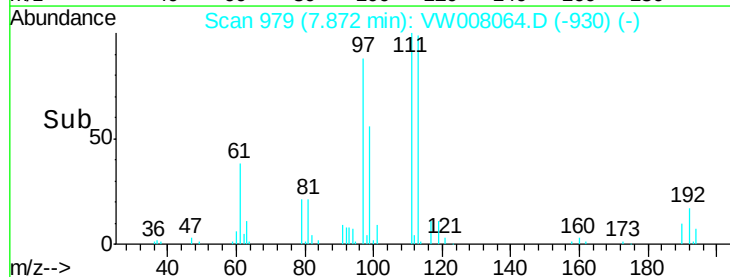
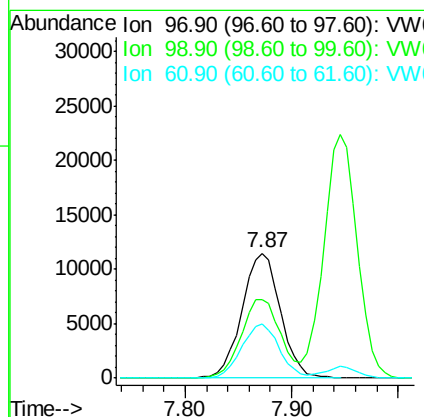
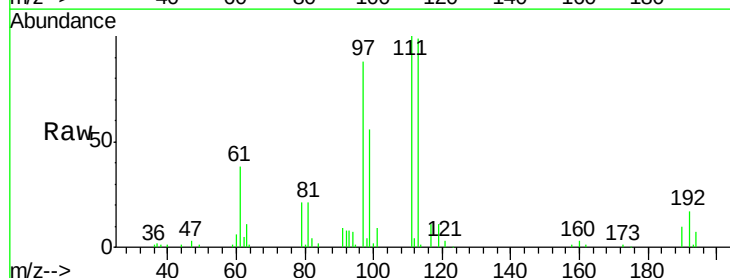
RT: 7.87 min Scan# 979

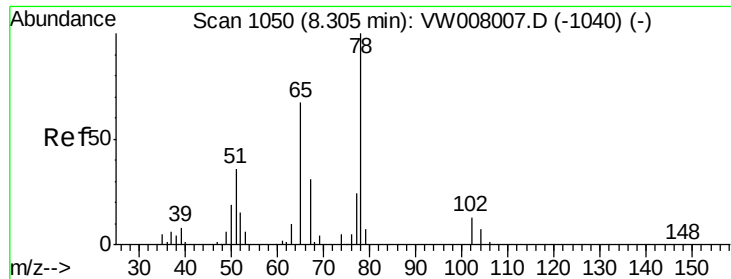
Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	97	Resp:	29059
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.5	77.3
61	42.4	33.4	50.0





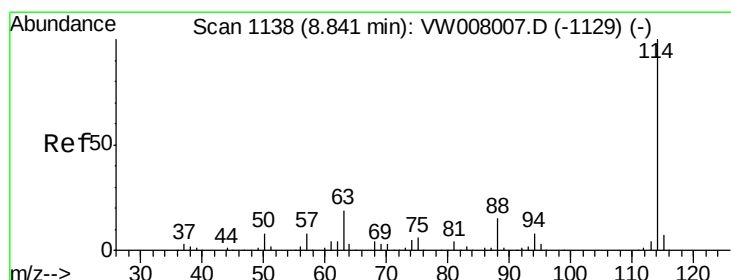
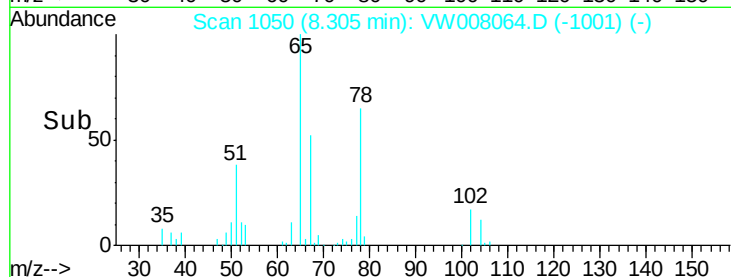
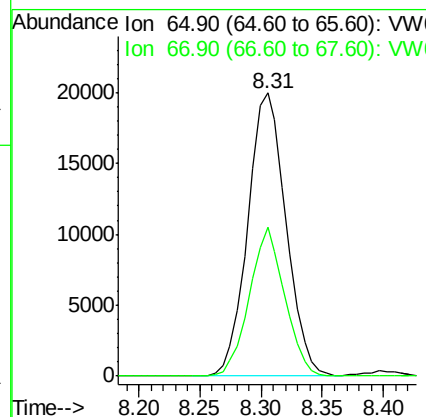
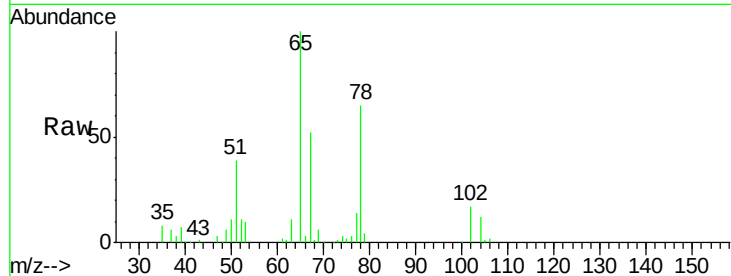
#33
 1,2-Dichloroethane-d4
 Concen: 52.281 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	43373		
67	48.5	0.0	94.8	

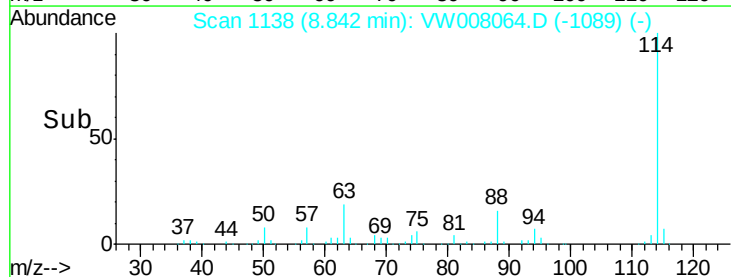
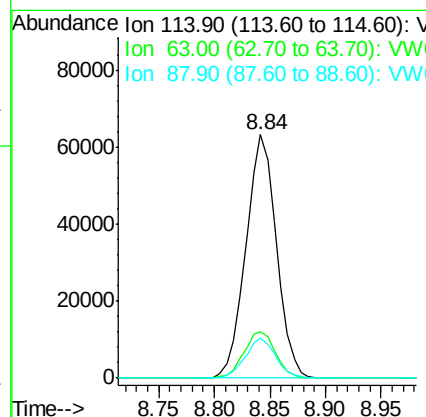
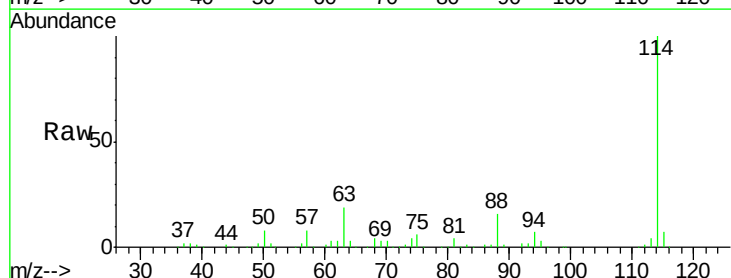
Manual Integrations
 APPROVED

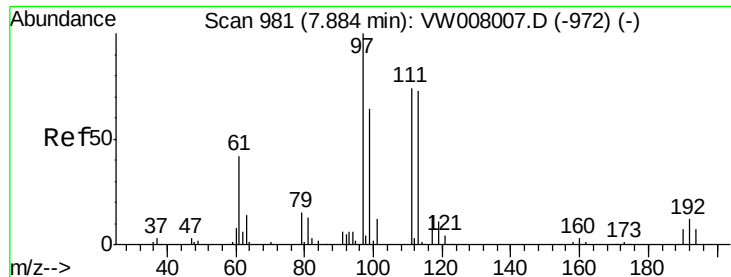
MMDadoda
 1/8/2019 11:53:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	120202		
63	19.1	0.0	37.8	
88	16.5	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.623 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

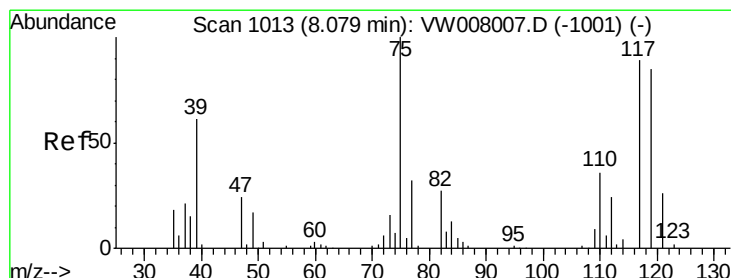
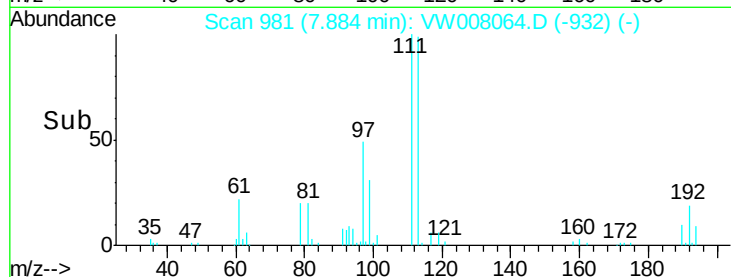
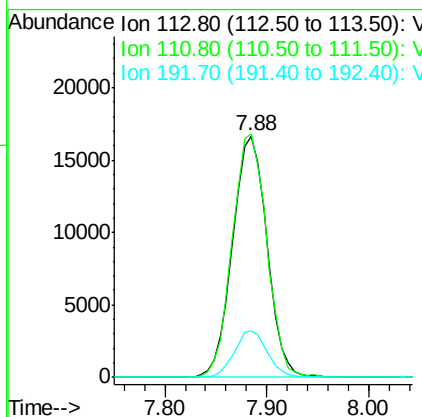
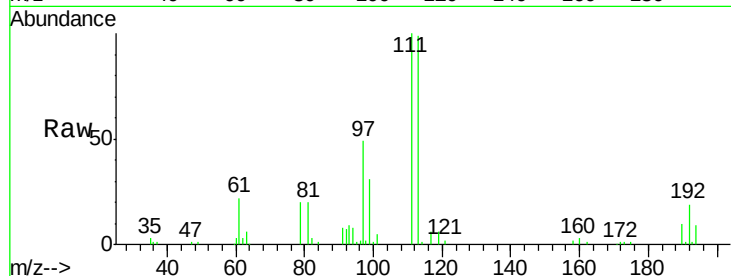
ClientSampled :

VW0107SBS01

Tot Ion:	113	Resp:	39118
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.4	122.0
192	18.4	14.8	22.2

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#36

1,1-Dichloropropene

Concen: 19.955 ug/l

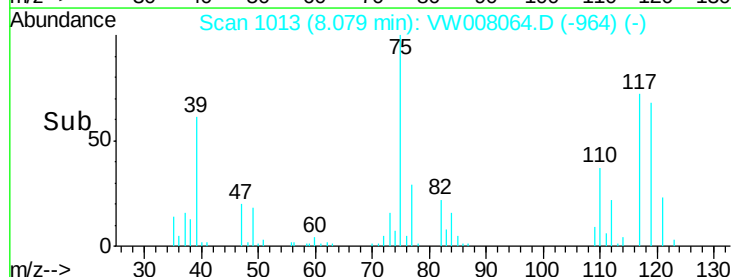
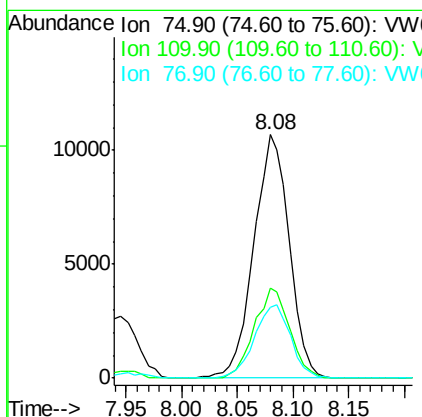
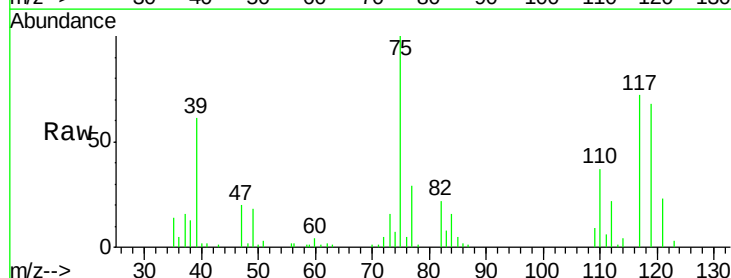
RT: 8.08 min Scan# 1013

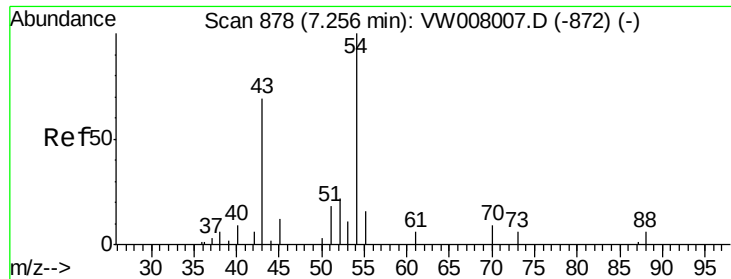
Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	75	Resp:	23662
Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.3
77	30.8	25.3	37.9





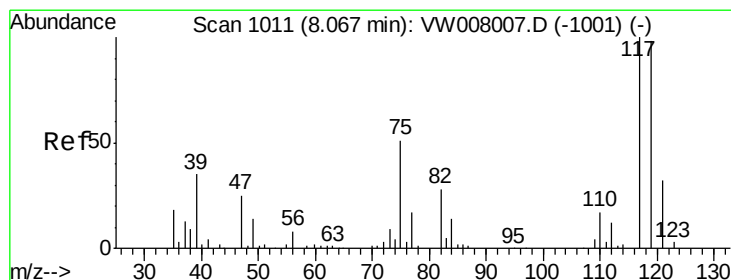
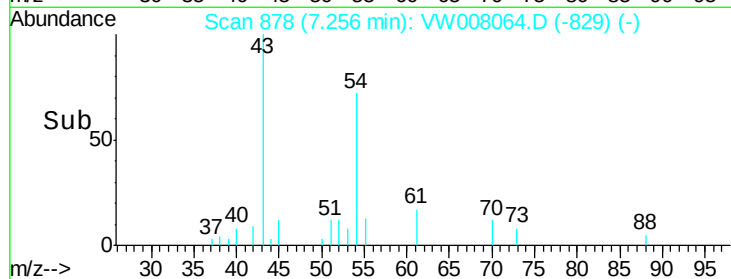
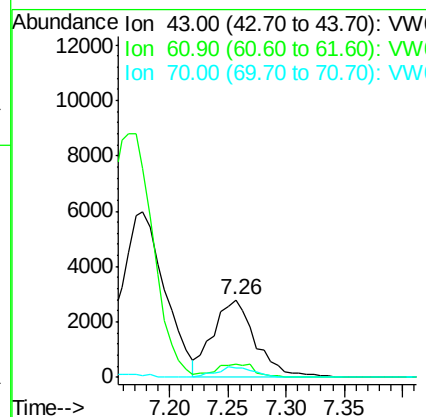
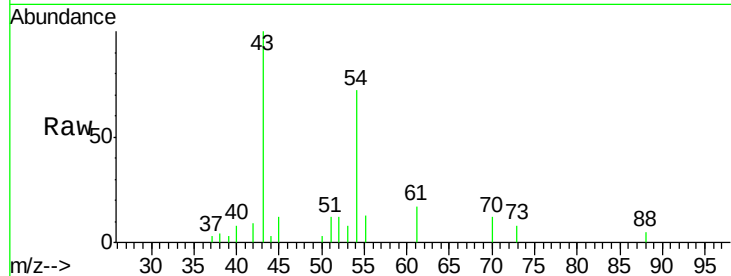
#37
Ethyl Acetate
Concen: 19.945 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion: 43 Resp: 7104
Ion Ratio Lower Upper
43 100
61 15.9 11.4 17.2
70 11.5 9.4 14.0

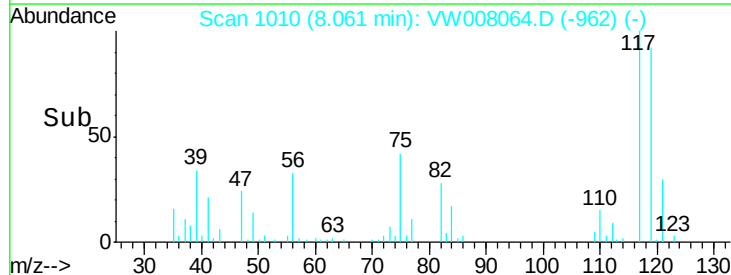
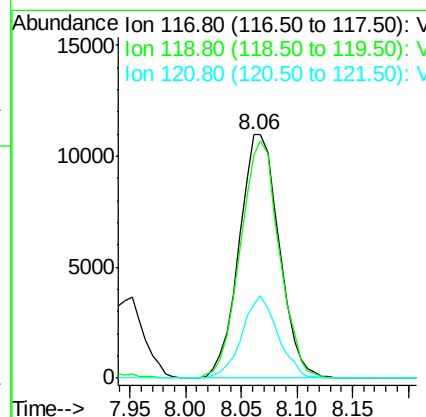
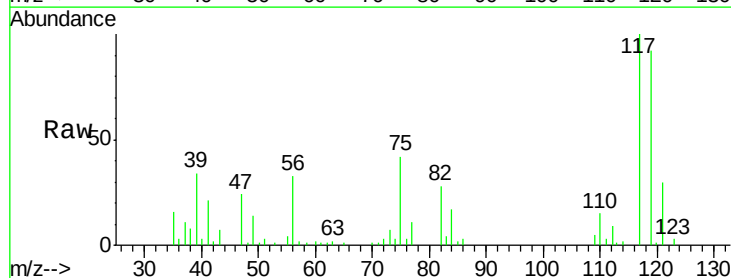
Manual Integrations
APPROVED

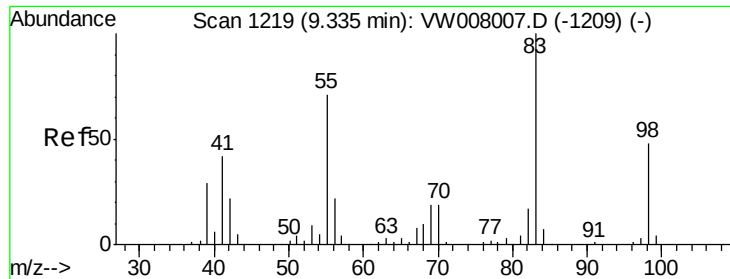
MMDadoda
1/8/2019 11:53:33 AM



#38
Carbon Tetrachloride
Concen: 19.226 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 117 Resp: 27321
Ion Ratio Lower Upper
117 100
119 91.6 78.7 118.1
121 29.9 25.8 38.8





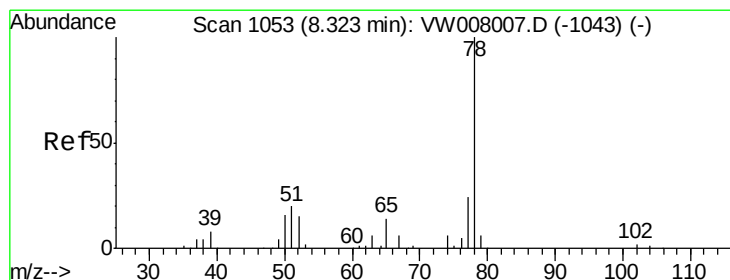
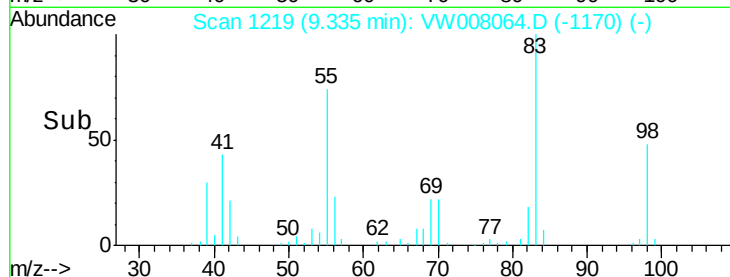
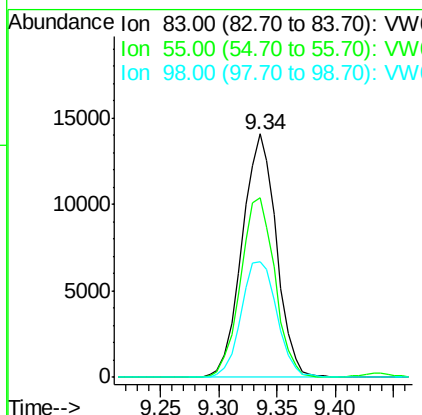
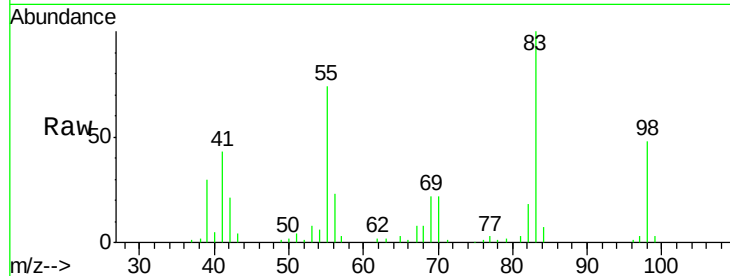
#39
Methylvlcyclohexane
Concen: 19.511 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion	83	Resp	28838
Ion Ratio	100	Lower	Upper
83	100		
55	73.6	56.8	85.2
98	47.7	38.6	58.0

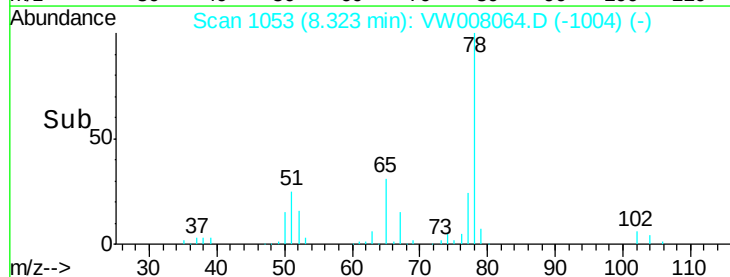
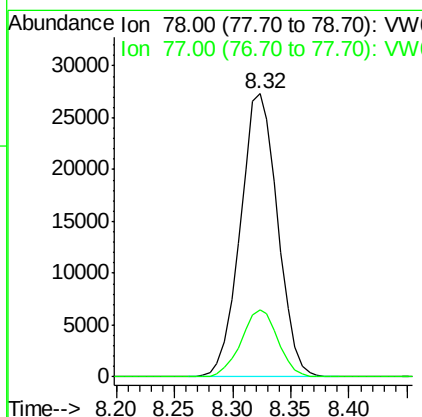
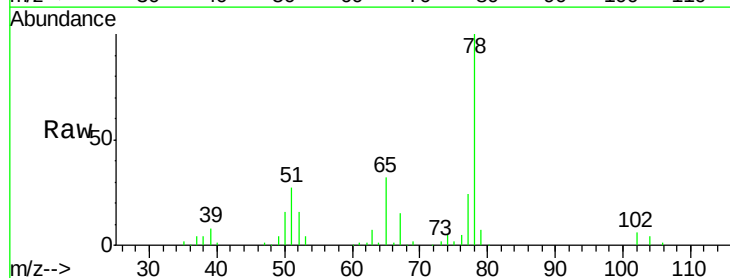
Manual Integrations
APPROVED

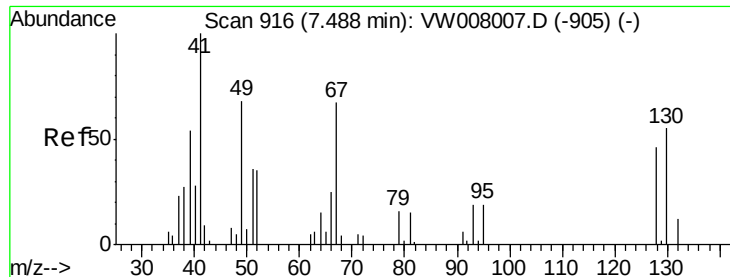
MMDadoda
1/8/2019 11:53:33 AM



#40
Benzene
Concen: 19.474 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	78	Resp	60918
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.6





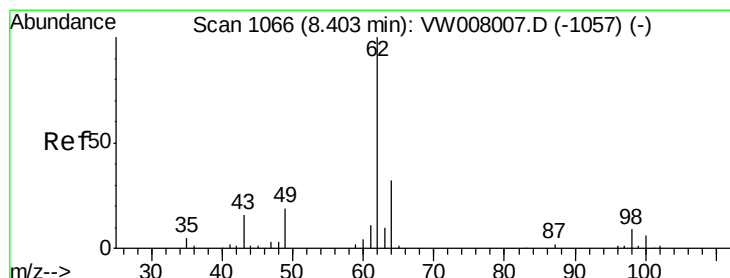
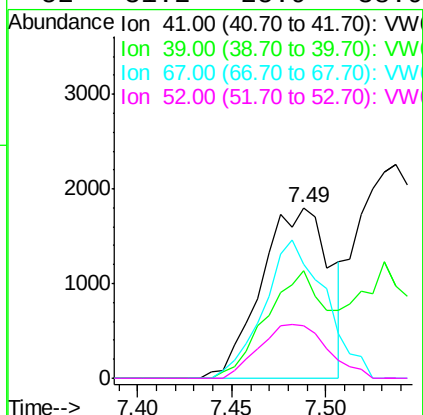
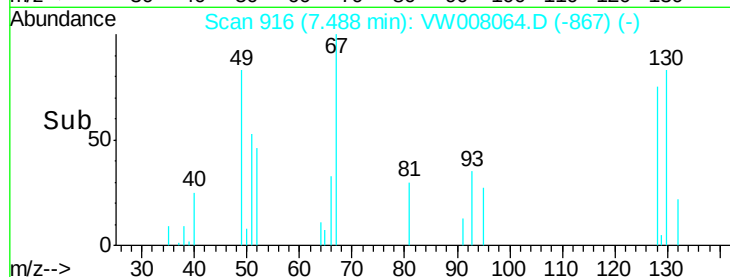
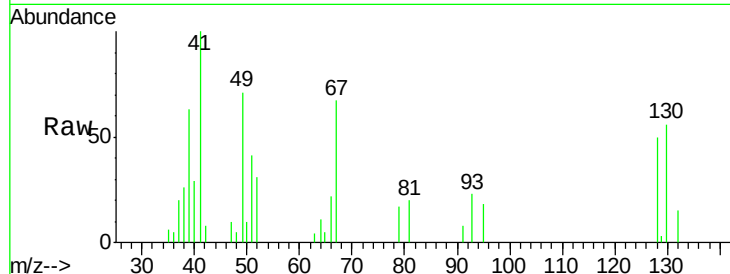
#41
Methacrylonitrile
Concen: 21.808 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion:	41	Resp:	4567
Ion	Ratio	Lower	Upper
41	100		
39	56.2	48.6	72.8
67	72.2	55.6	83.4
52	31.2	25.9	38.9

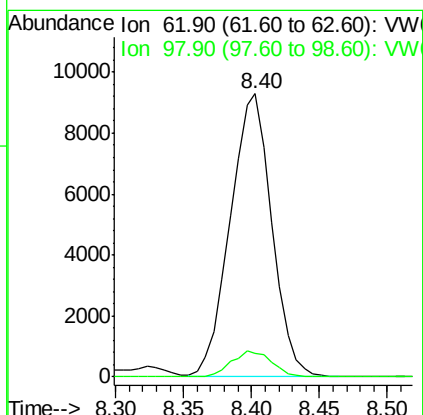
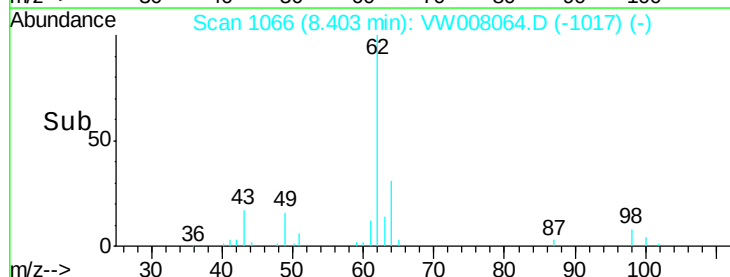
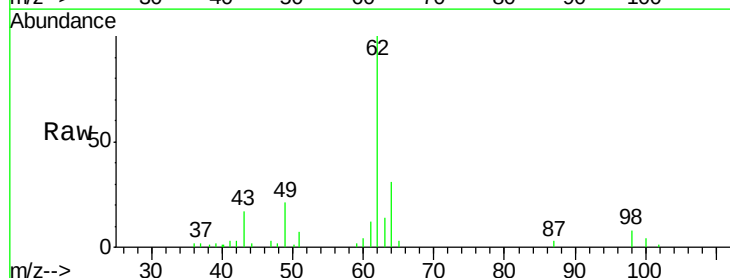
Manual Integrations
APPROVED

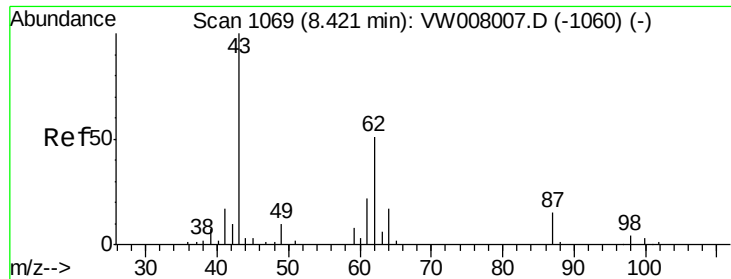
MMDadoda
1/8/2019 11:53:33 AM



#42
1,2-Dichloroethane
Concen: 18.987 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:	62	Resp:	19789
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.998 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

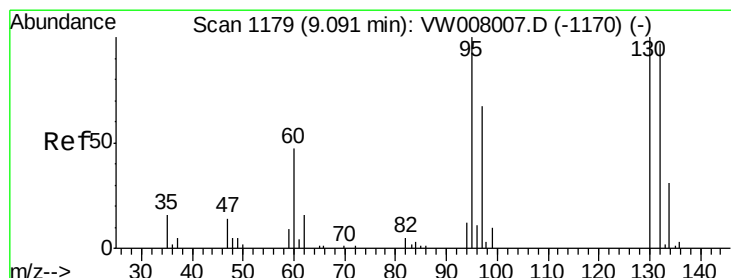
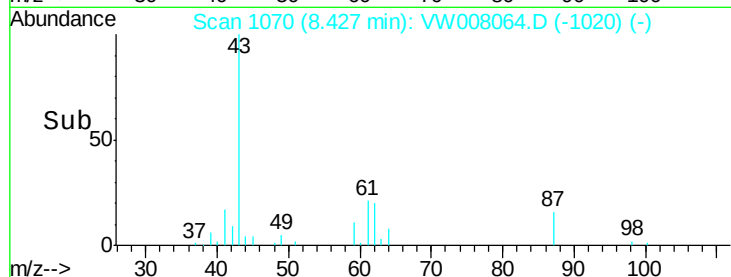
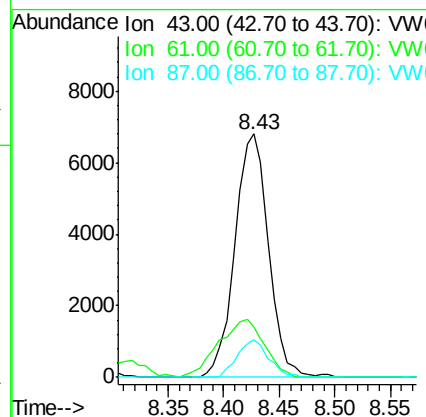
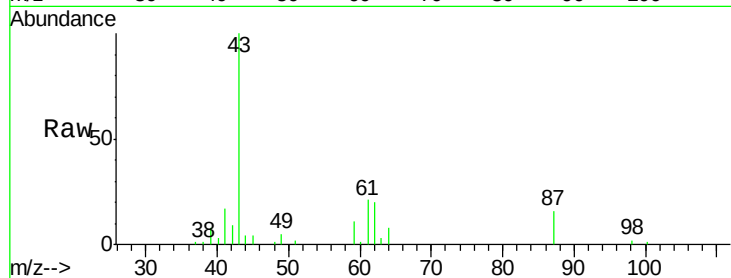
ClientSampleId :

VW0107SBS01

Tot Ion:	43	Resp:	14232
Ion	Ratio	Lower	Upper
43	100		
61	32.4	26.4	39.6
87	14.5	12.0	18.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#44

Trichloroethene

Concen: 19.737 ug/l

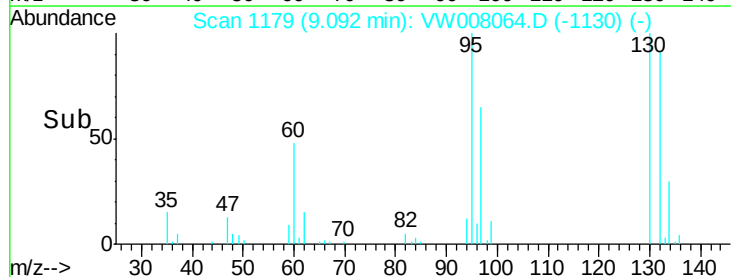
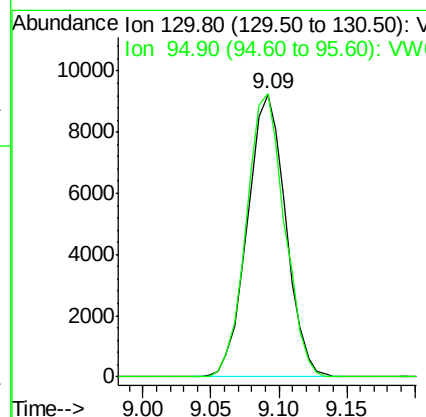
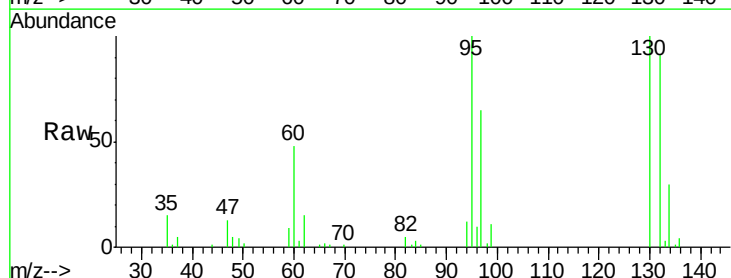
RT: 9.09 min Scan# 1179

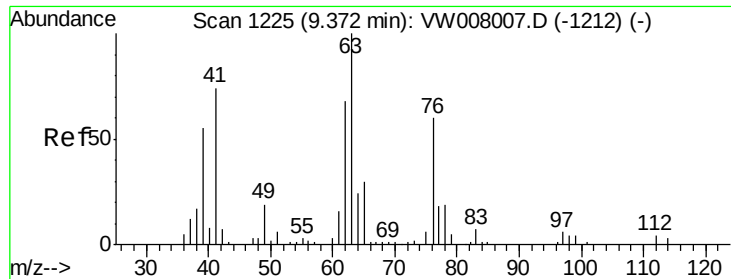
Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	130	Resp:	18219
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	200.0





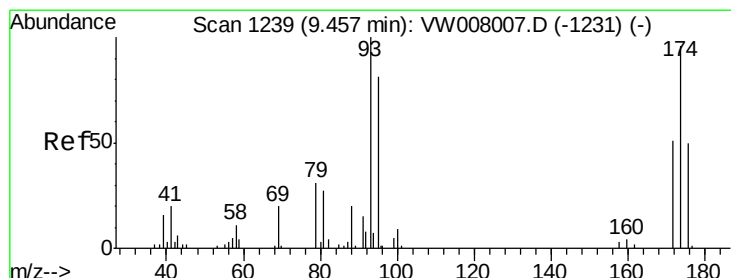
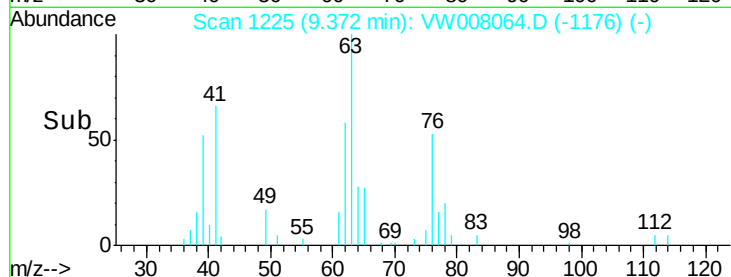
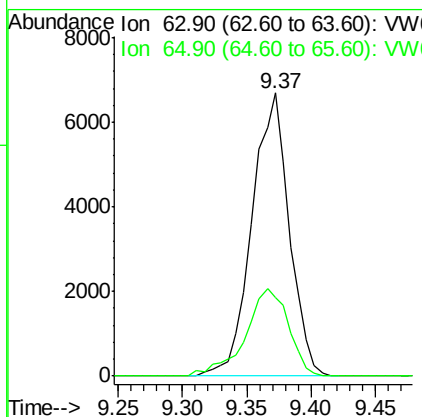
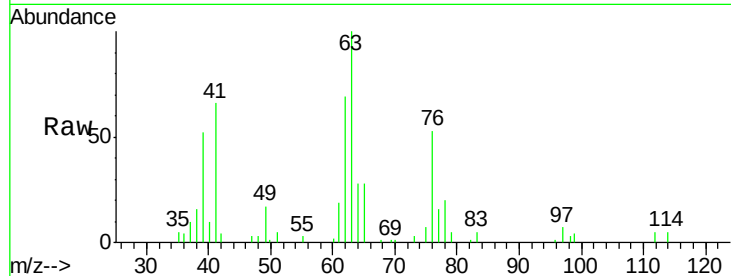
#45
 1,2-Dichloropropane
 Concen: 19.726 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tot Ion: 63 Resp: 13356
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.2 36.4

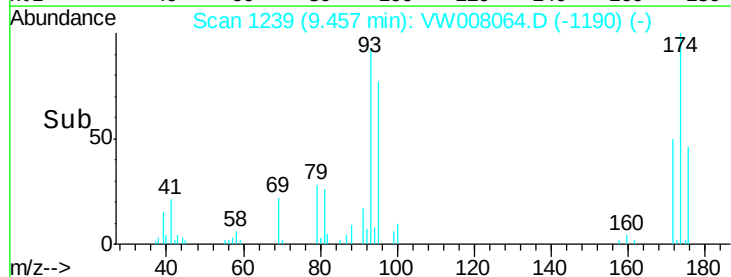
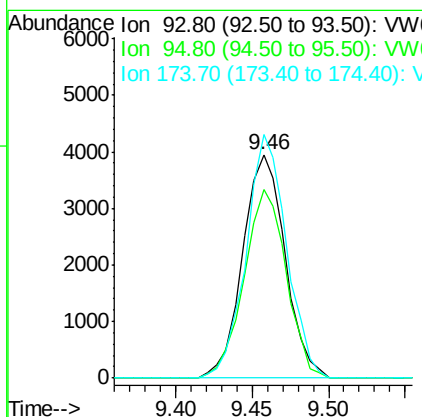
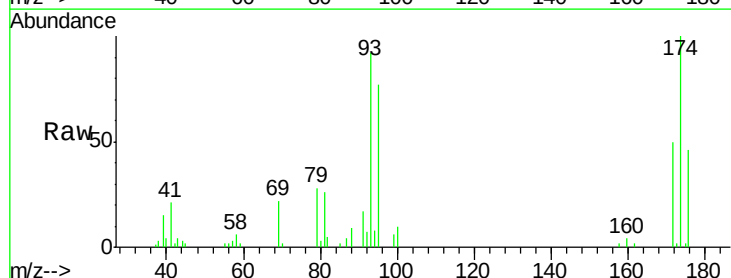
Manual Integrations
 APPROVED

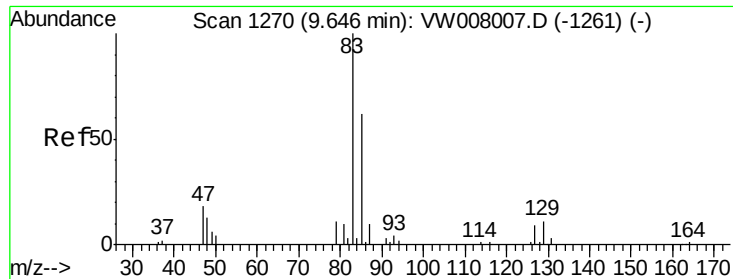
MMDadoda
 1/8/2019 11:53:33 AM



#46
 Dibromomethane
 Concen: 19.272 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 93 Resp: 7629
 Ion Ratio Lower Upper
 93 100
 95 83.6 63.9 95.9
 174 103.5 79.0 118.6





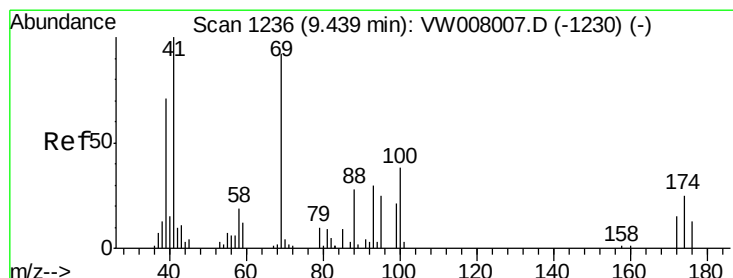
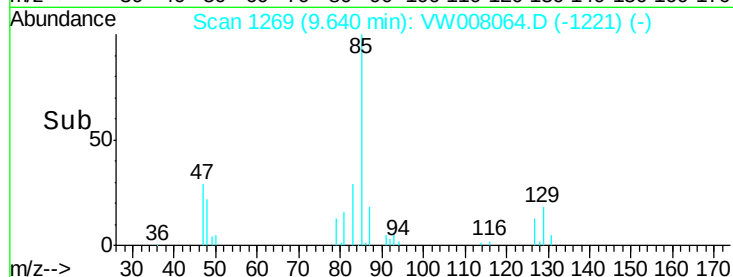
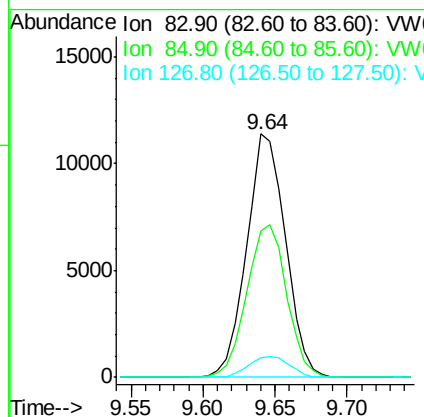
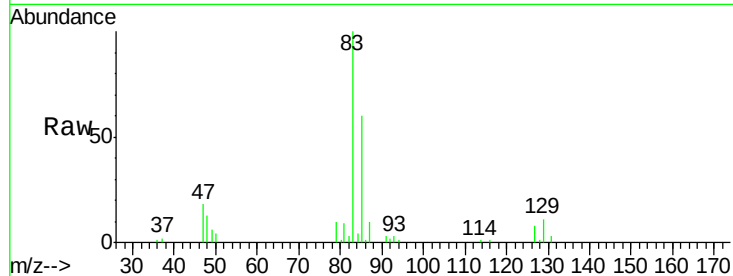
#47
Bromodichloromethane
Concen: 19.135 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion	83	Resp	21216
Ion Ratio	100	Lower	Upper
83	100		
85	59.9	49.5	74.3
127	7.9	7.5	11.3

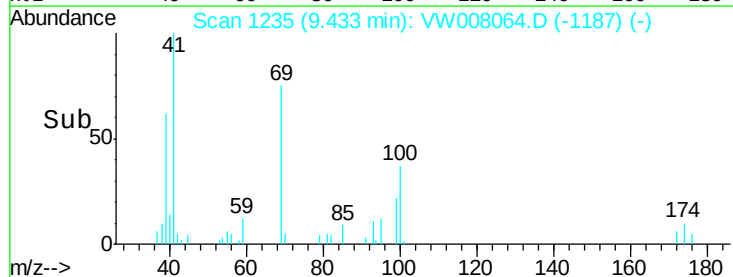
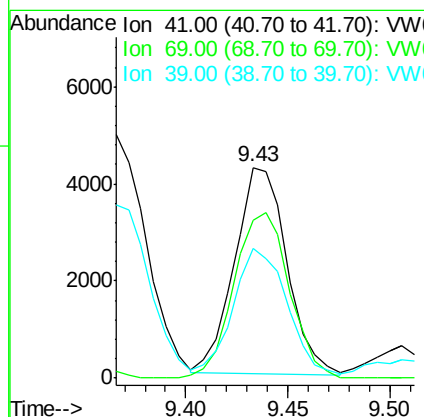
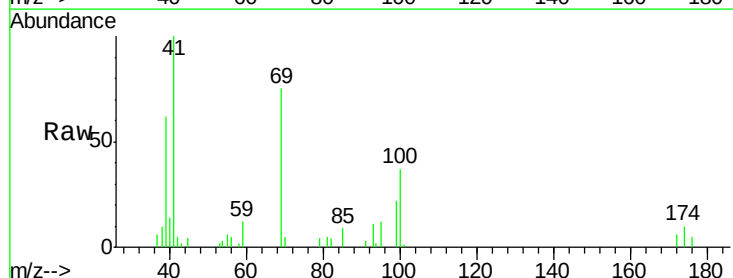
Manual Integrations
APPROVED

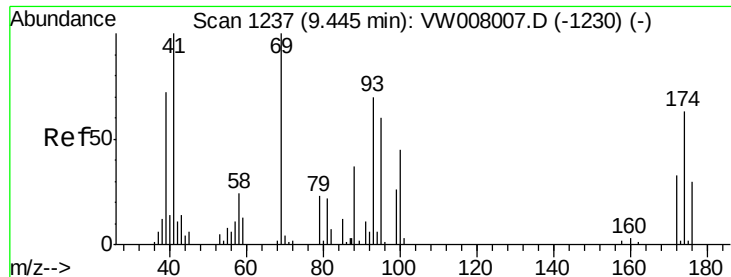
MMDadoda
1/8/2019 11:53:33 AM



#48
Methyl methacrylate
Concen: 21.030 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	41	Resp	7546
Ion Ratio	100	Lower	Upper
41	100		
69	85.0	72.3	108.5
39	62.2	58.7	88.1





#49

1,4-Dioxane

Concen: 339.522 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

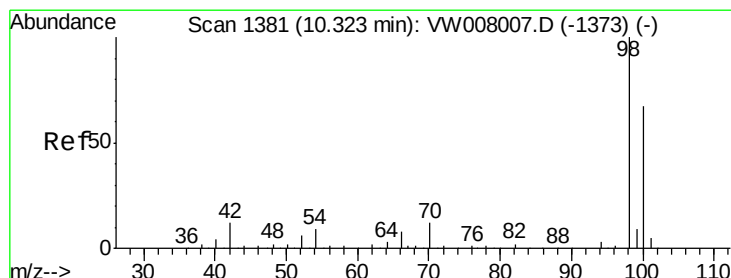
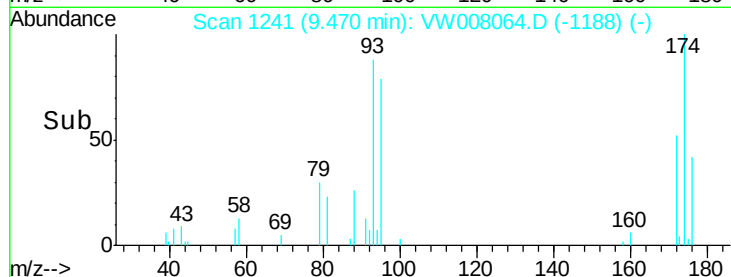
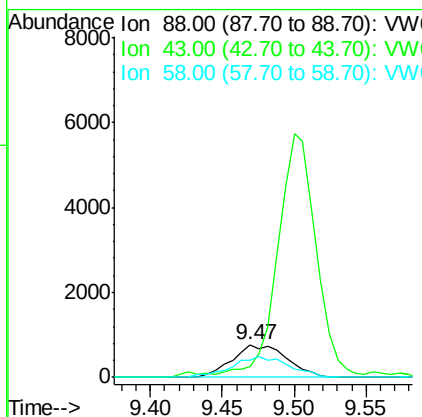
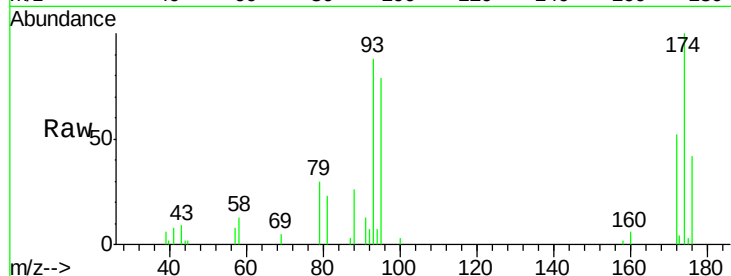
ClientSampleId :

VW0107SBS01

Tot Ion:	88	Resp:	1989
Ion Ratio	Lower	Upper	
88	100		
43	0.0	26.8	40.2#
58	68.3	55.8	83.6

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#50

Toluene-d8

Concen: 53.641 ug/l

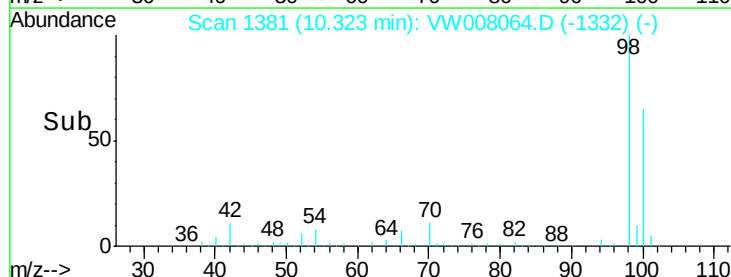
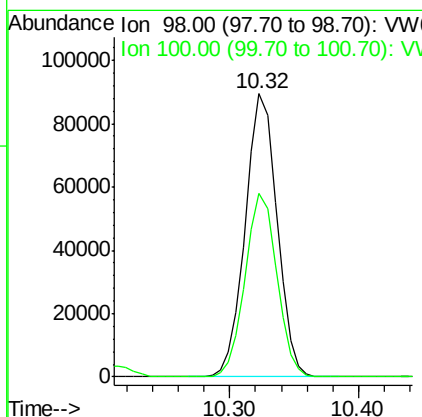
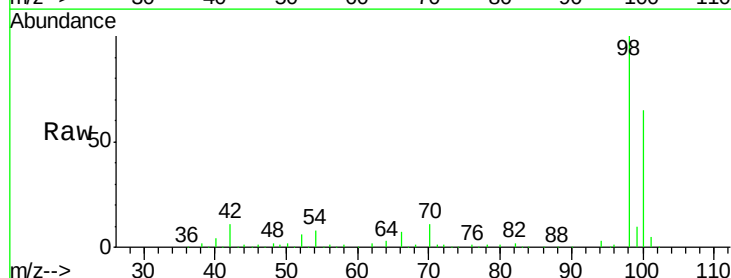
RT: 10.32 min Scan# 1381

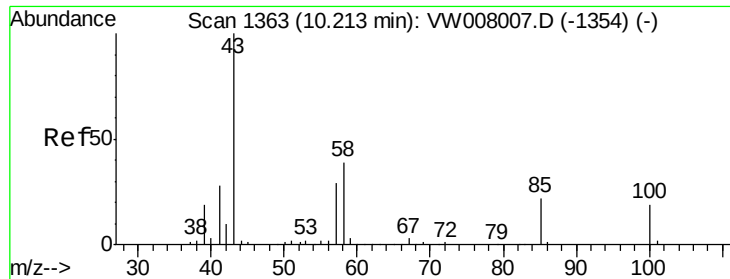
Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	98	Resp:	152477
Ion Ratio	Lower	Upper	
98	100		
100	64.7	52.9	79.3





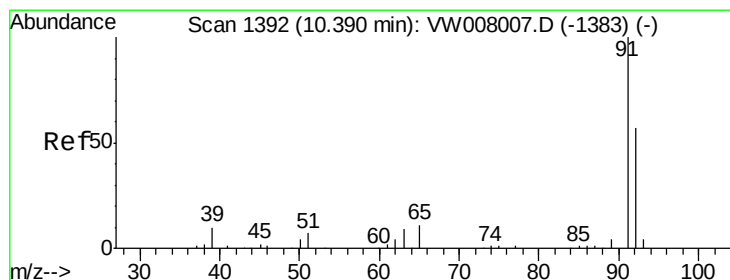
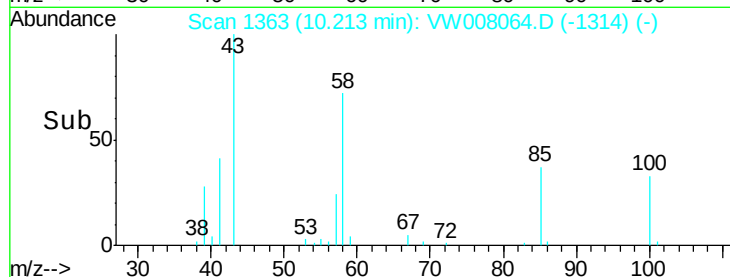
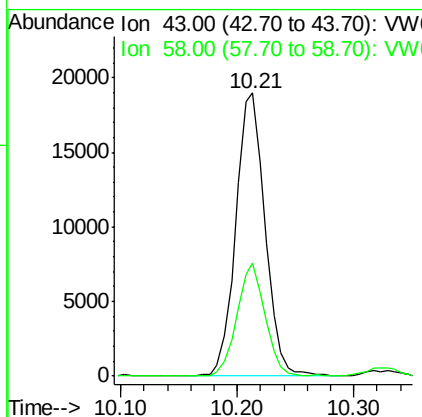
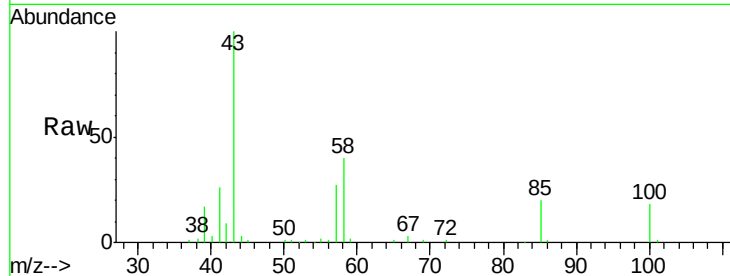
#51
4-Methyl-2-Pentanone
Concen: 101.105 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion: 43 Resp: 33306
Ion Ratio Lower Upper
43 100
58 38.0 32.0 48.0

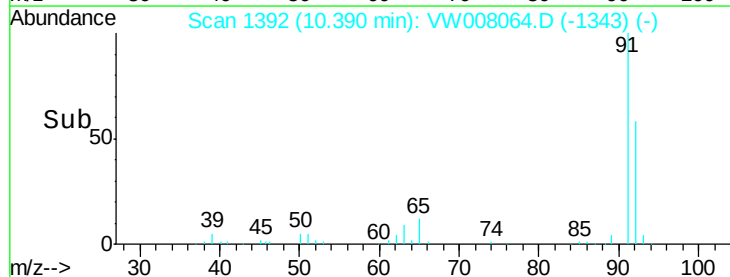
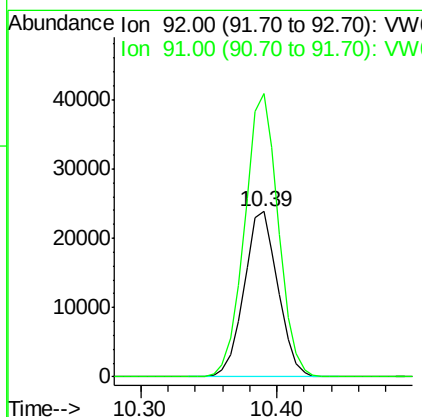
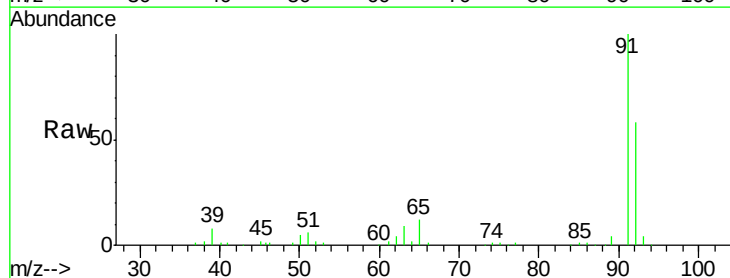
Manual Integrations
APPROVED

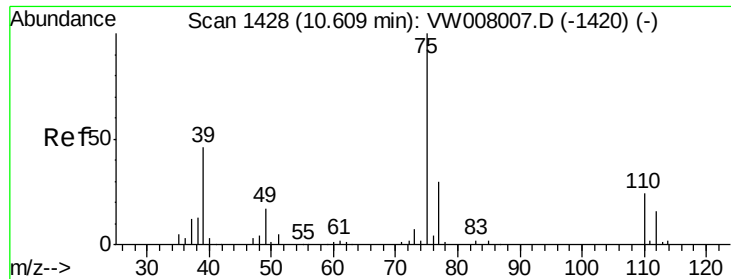
MMDadoda
1/8/2019 11:53:33 AM



#52
Toluene
Concen: 20.051 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 92 Resp: 41408
Ion Ratio Lower Upper
92 100
91 170.2 136.9 205.3





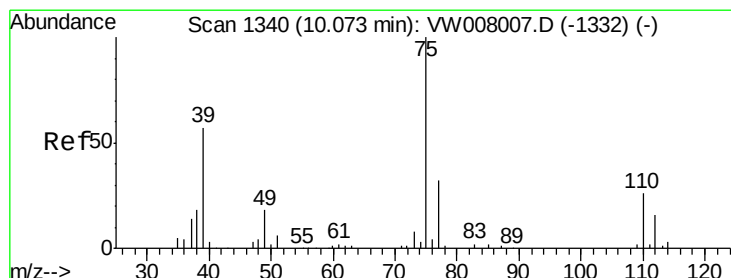
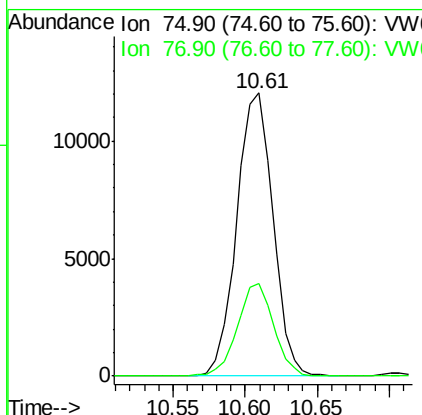
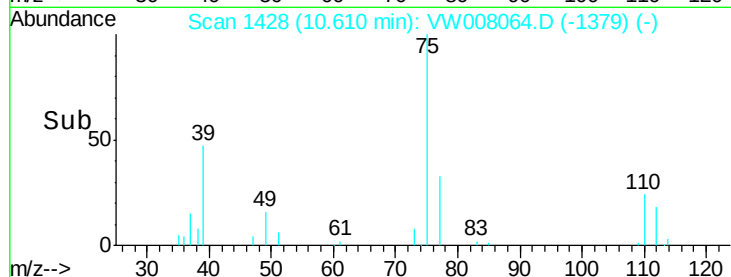
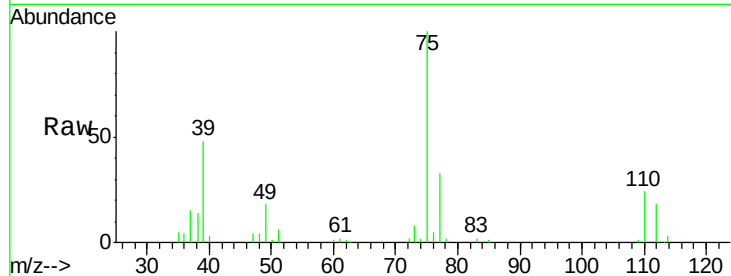
#53
 t-1,3-Dichloropropene
 Concen: 19.745 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tot Ion: 75 Resp: 21052
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.0 36.0

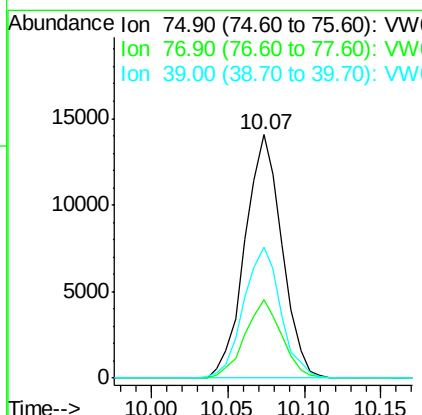
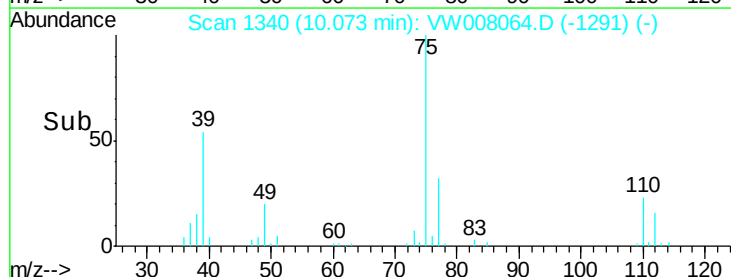
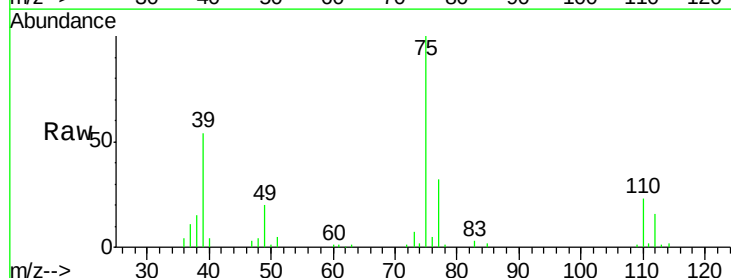
Manual Integrations
 APPROVED

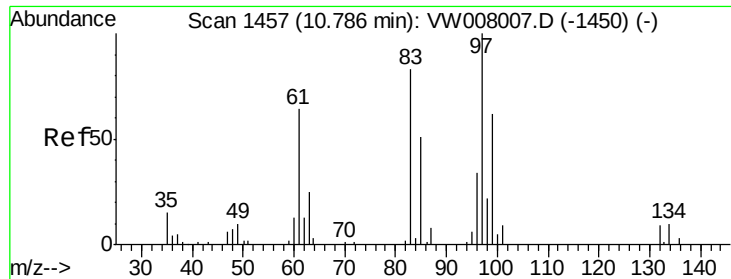
MMDadoda
 1/8/2019 11:53:33 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.894 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 75 Resp: 23668
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9
 39 54.0 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 19.516 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

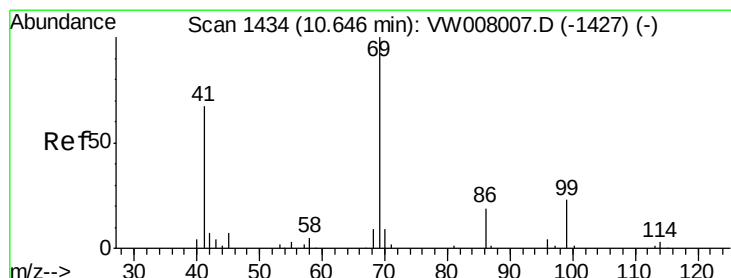
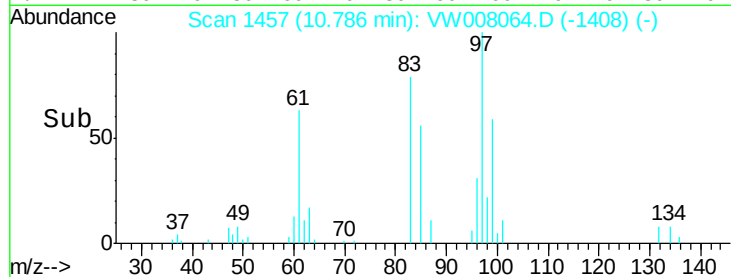
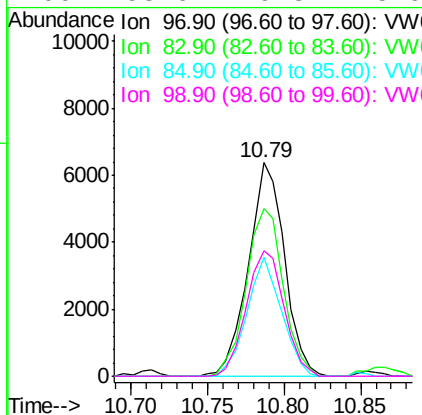
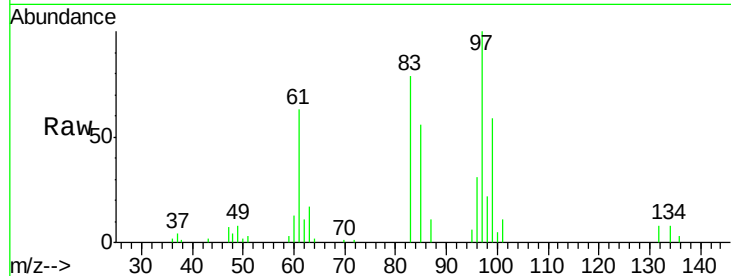
ClientSampled :

VW0107SBS01

Tot Ion:	97	Resp:	10460
Ion	Ratio	Lower	Upper
97	100		
83	78.7	66.2	99.2
85	55.9	41.0	61.4
99	58.6	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#56

Ethyl methacrylate

Concen: 20.435 ug/l

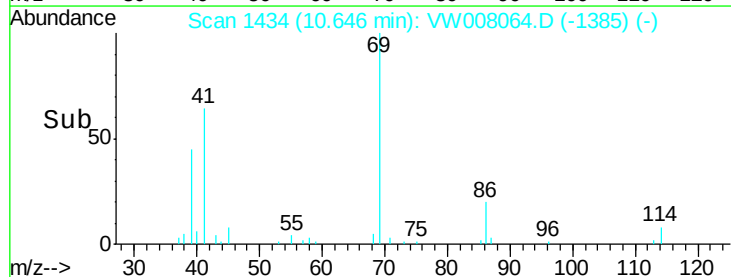
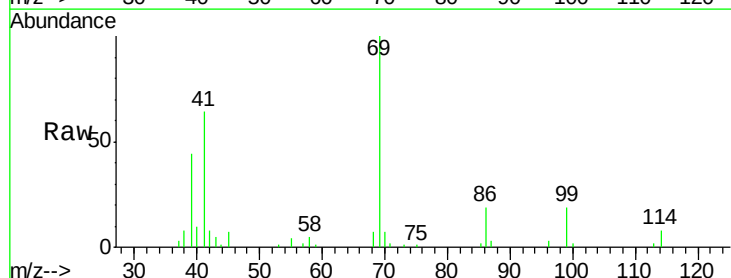
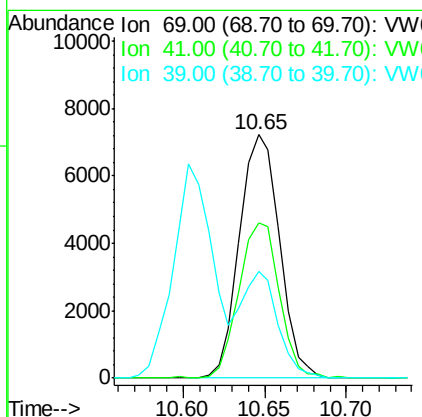
RT: 10.65 min Scan# 1434

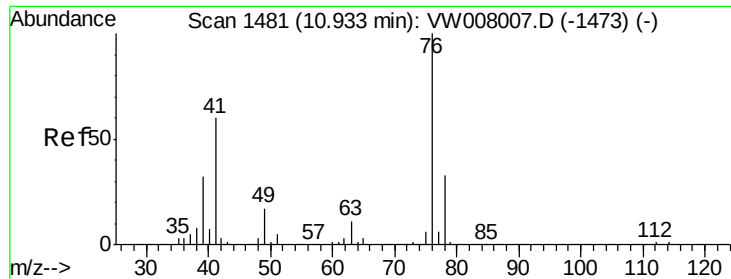
Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	69	Resp:	12382
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.6	79.0
39	40.4	35.8	53.6





#57

1,3-Dichloropropane

Concen: 19.207 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion: 76 Resp: 17492

Ion Ratio Lower Upper

76 100

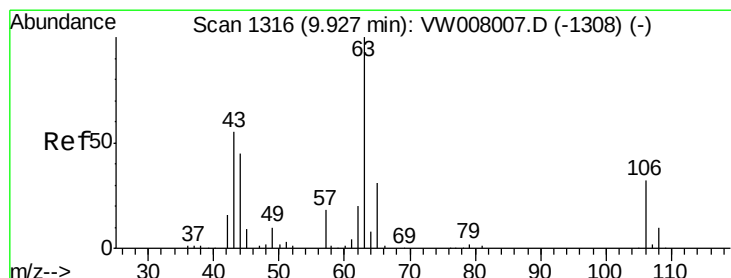
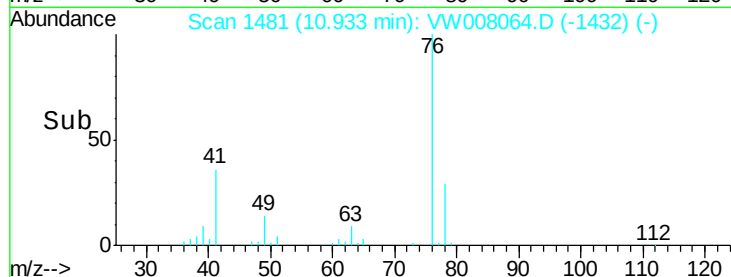
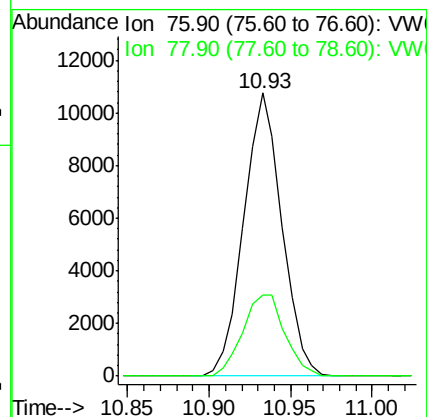
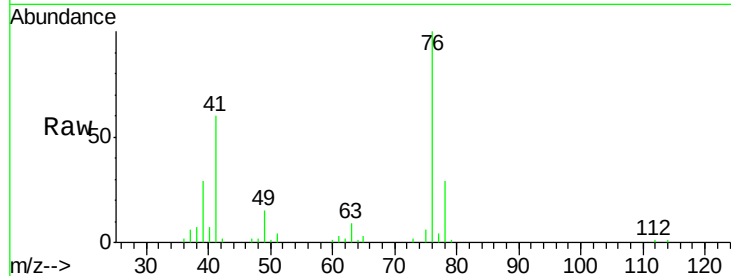
78 31.6 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

1/8/2019 11:53:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.815 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008064.D

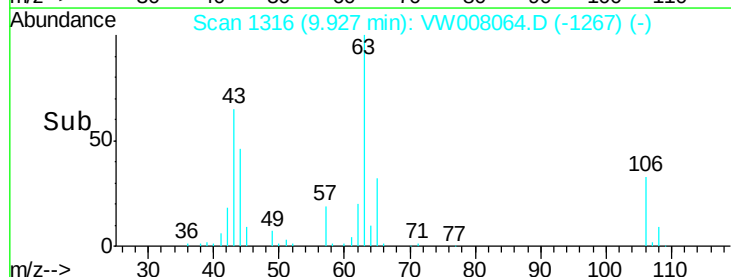
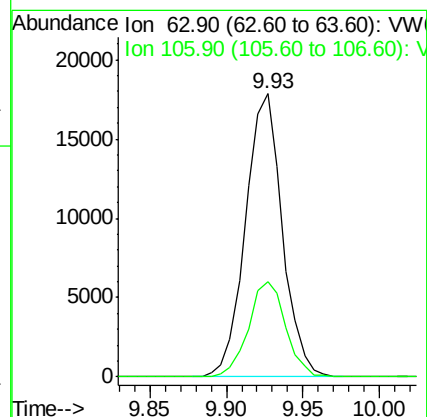
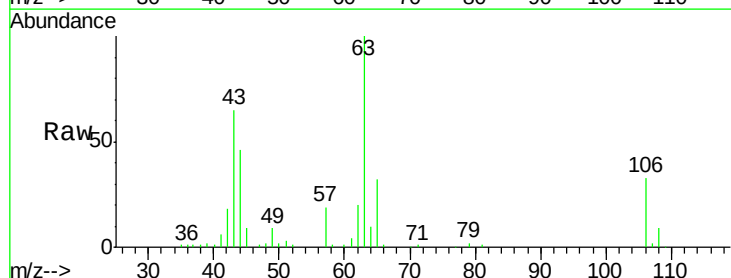
Acq: 07 Jan 2019 12:50

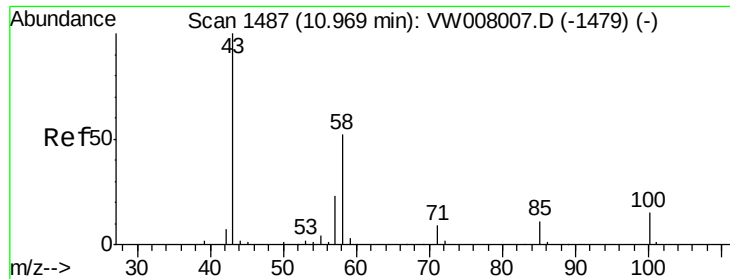
Tgt Ion: 63 Resp: 29833

Ion Ratio Lower Upper

63 100

106 33.7 26.9 40.3





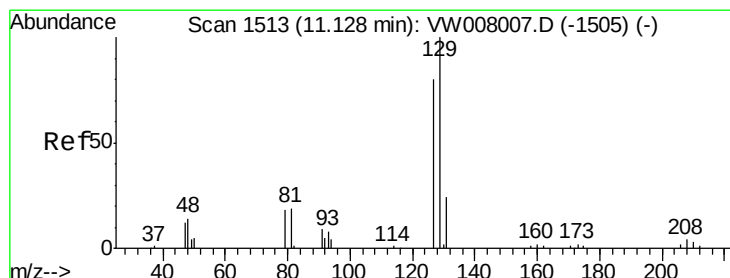
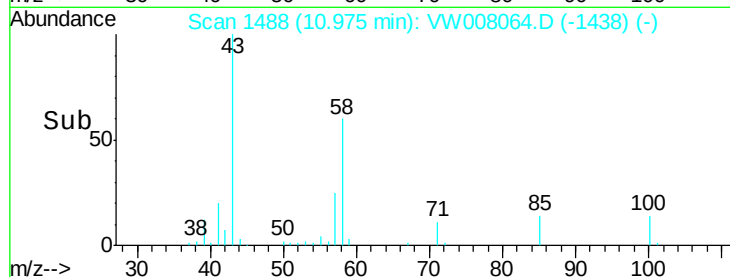
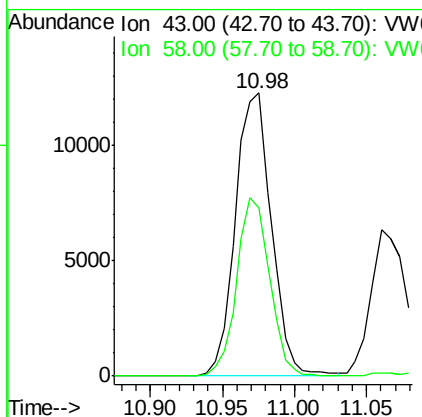
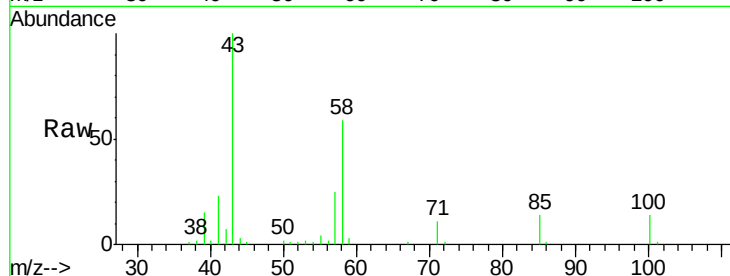
#59
2-Hexanone
Concen: 93.955 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion: 43 Resp: 21367
Ion Ratio Lower Upper
43 100
58 57.6 27.1 81.2

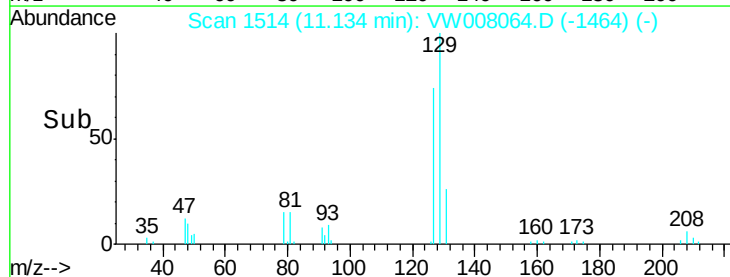
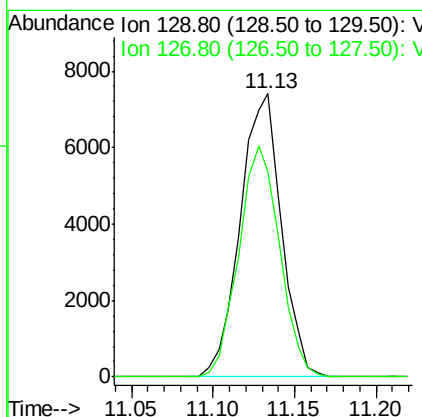
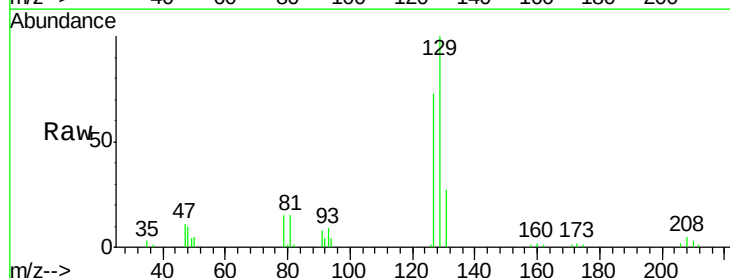
Manual Integrations
APPROVED

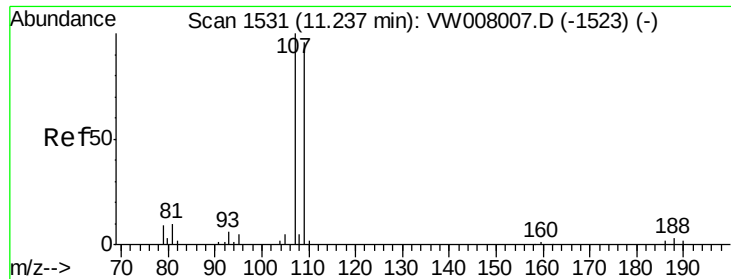
MMDadoda
1/8/2019 11:53:33 AM



#60
Dibromochloromethane
Concen: 17.766 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 129 Resp: 13034
Ion Ratio Lower Upper
129 100
127 81.0 38.6 116.0





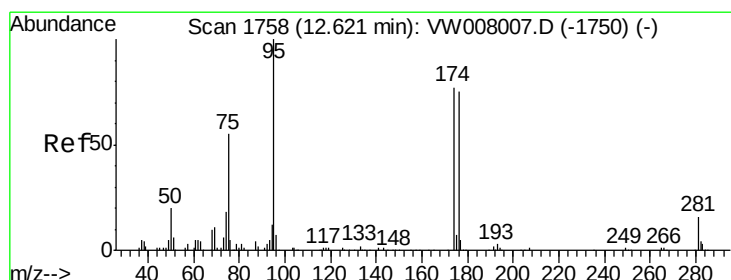
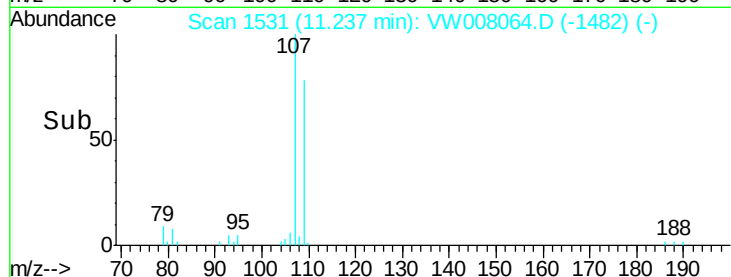
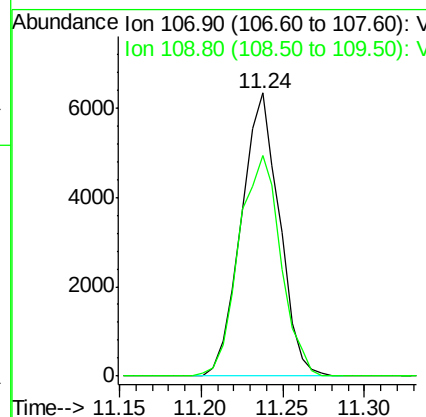
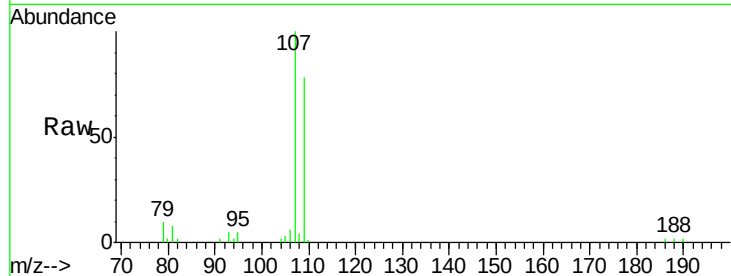
#61
 1,2-Dibromoethane
 Concen: 19.207 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.8	77.2	115.8

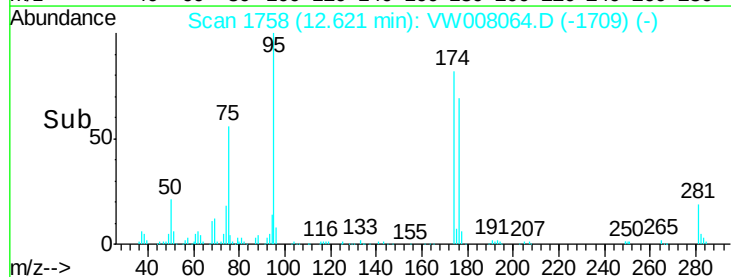
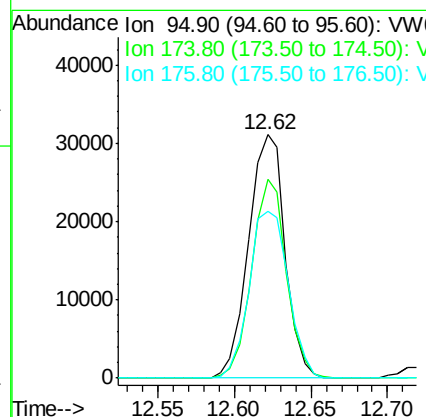
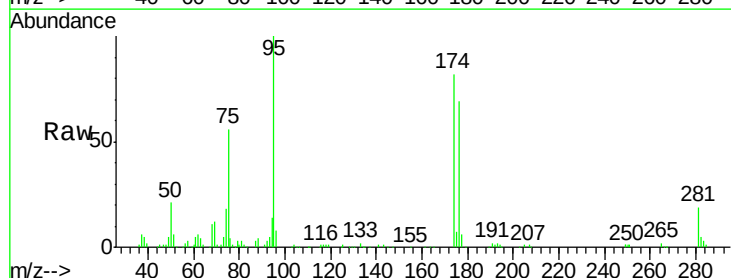
Manual Integrations
 APPROVED

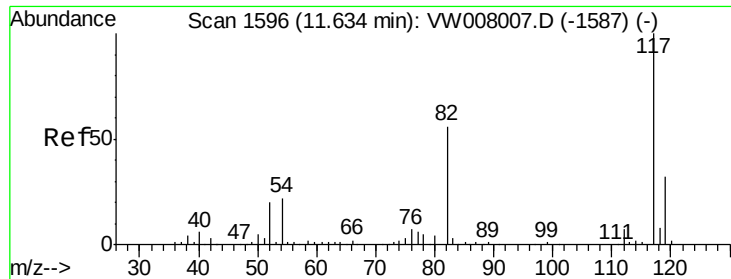
MMDadoda
 1/8/2019 11:53:33 AM



#62
 4-Bromofluorobenzene
 Concen: 47.169 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	149.6
176	73.8	0.0	145.4





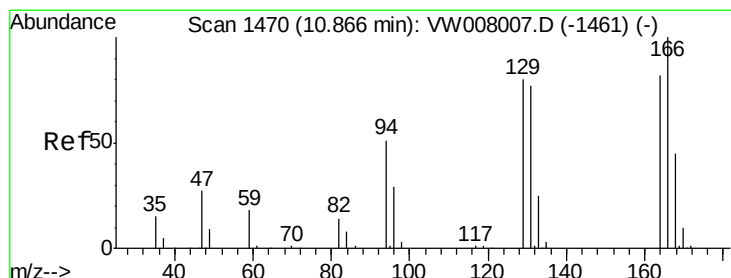
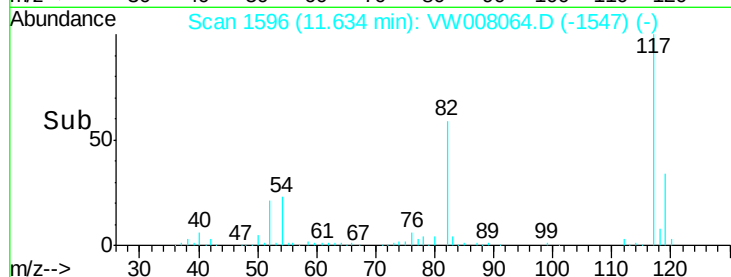
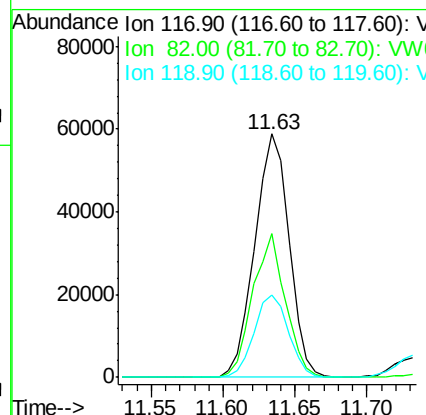
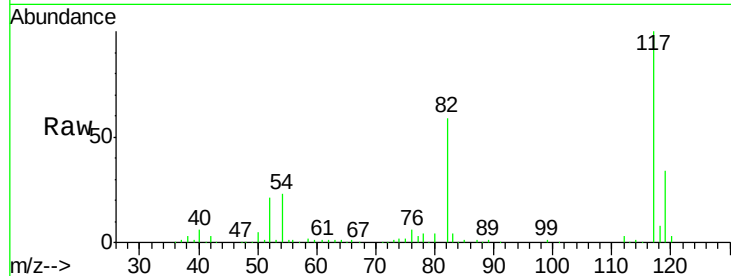
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	44.8	67.2
119	33.8	25.6	38.4

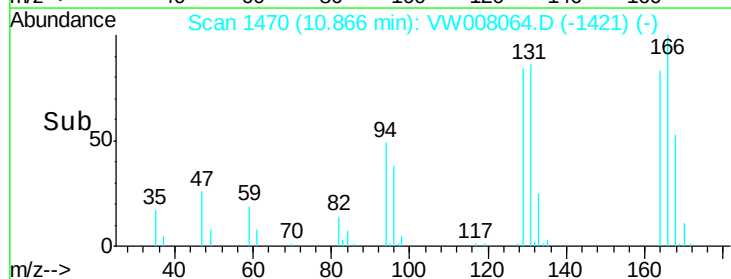
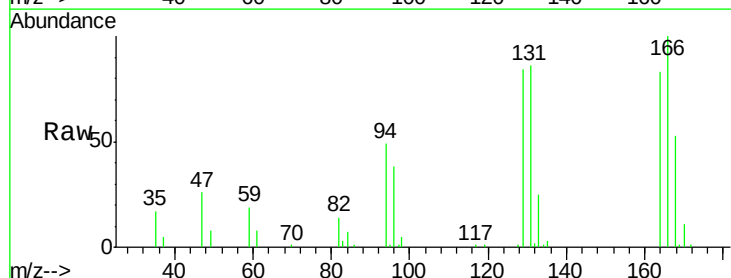
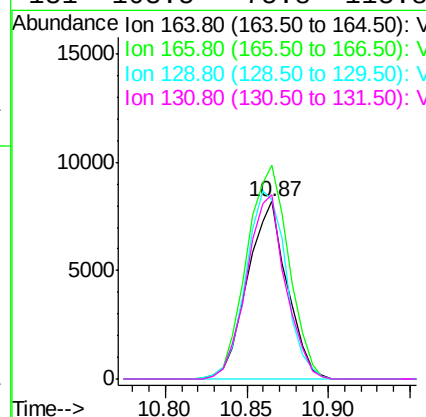
Manual Integrations
APPROVED

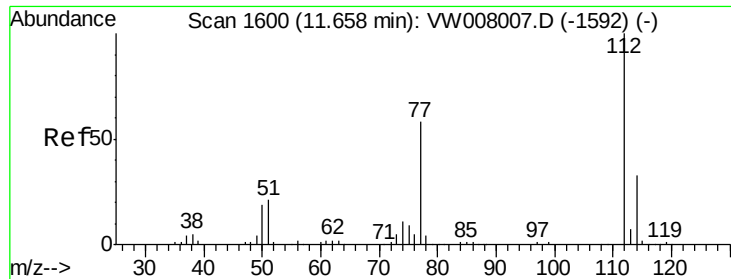
MMDadoda
1/8/2019 11:53:33 AM



#64
Tetrachloroethene
Concen: 20.649 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.2	98.1	147.1
129	100.6	78.0	117.0
131	103.5	75.8	113.8





#65

Chlorobenzene

Concen: 20.279 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion:112 Resp: 41925

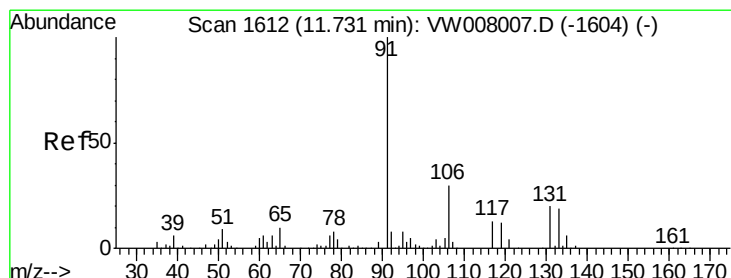
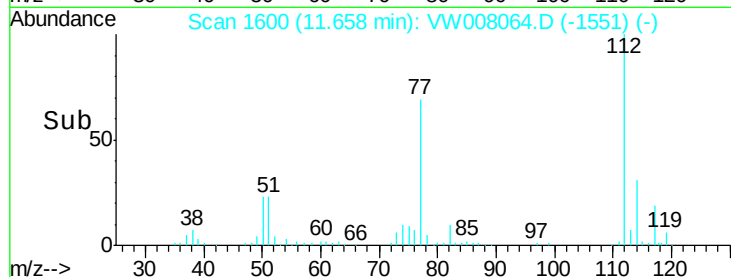
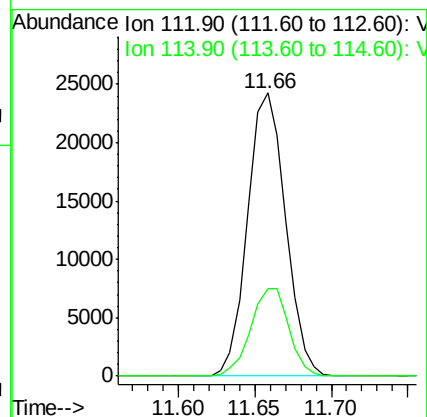
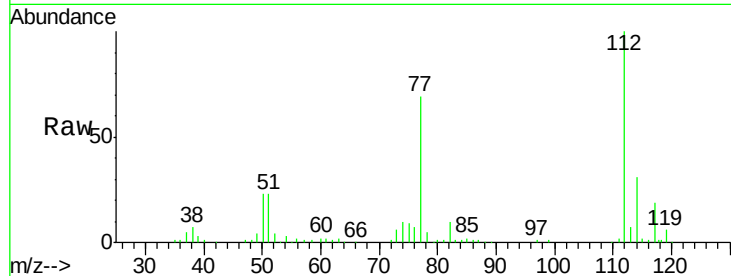
Ion Ratio Lower Upper

112 100

114 31.1 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.977 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

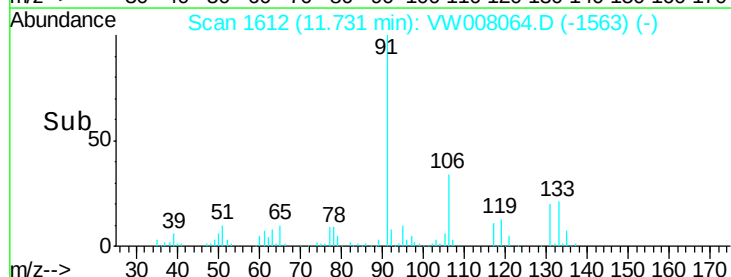
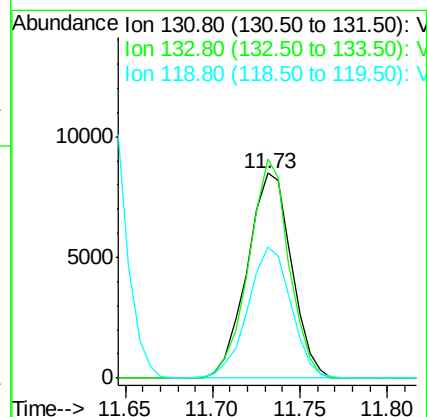
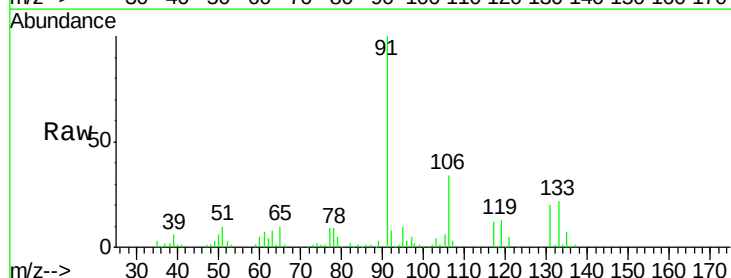
Tgt Ion:131 Resp: 14956

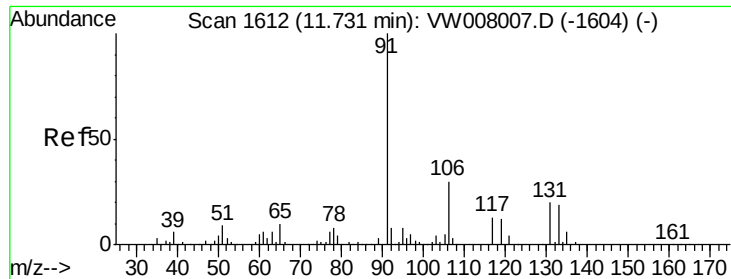
Ion Ratio Lower Upper

131 100

133 96.6 49.1 147.3

119 62.4 30.6 91.6





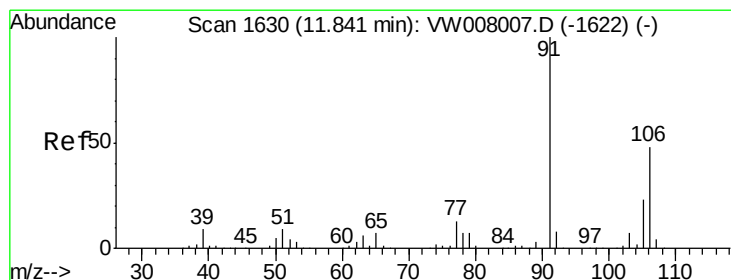
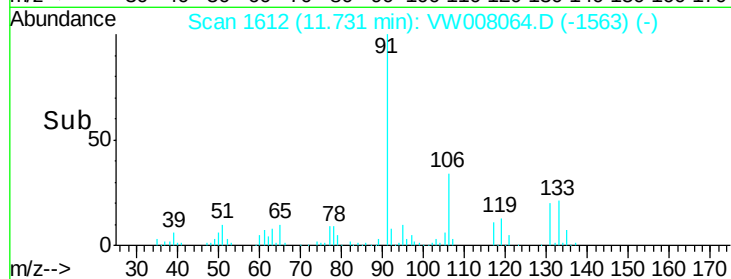
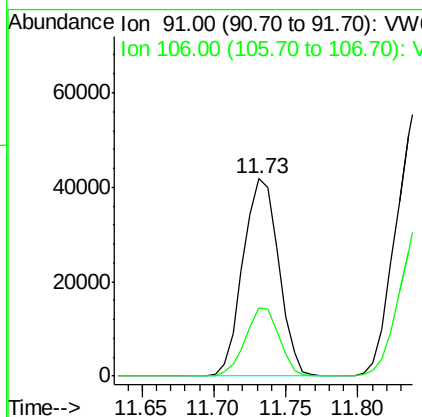
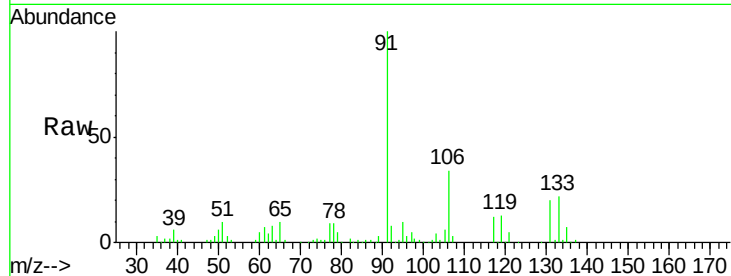
#67
Ethyl Benzene
Concen: 19.606 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion: 91 Resp: 71946
Ion Ratio Lower Upper
91 100
106 34.4 24.3 36.5

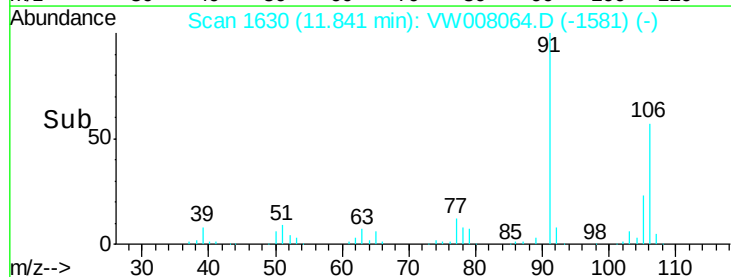
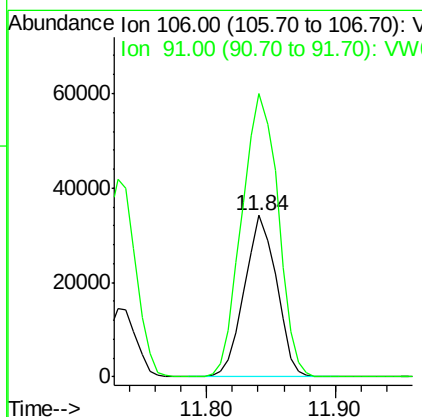
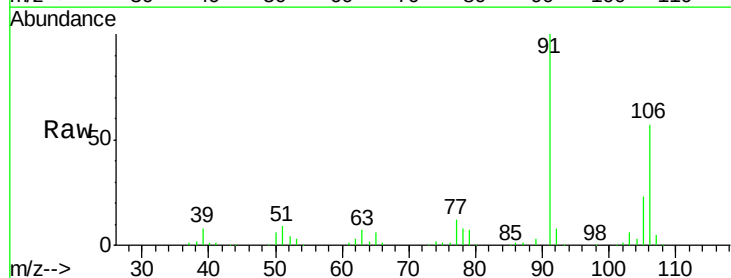
Manual Integrations
APPROVED

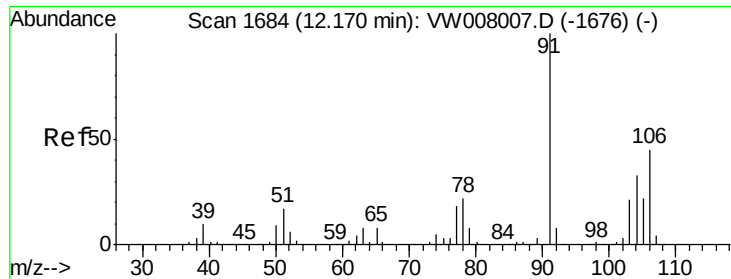
MMDadoda
1/8/2019 11:53:33 AM



#68
m/p-Xylenes
Concen: 41.815 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 106 Resp: 59323
Ion Ratio Lower Upper
106 100
91 197.4 165.8 248.8





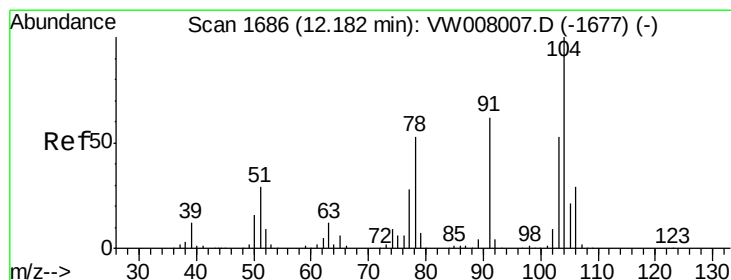
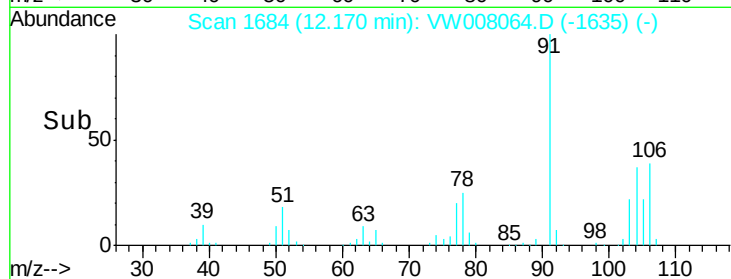
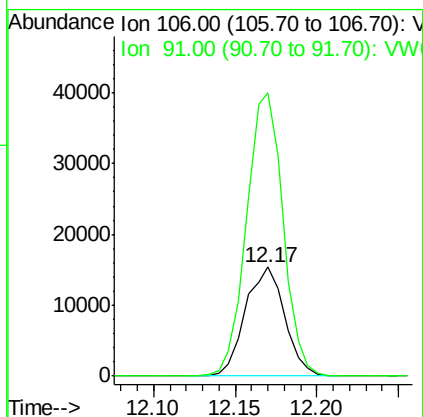
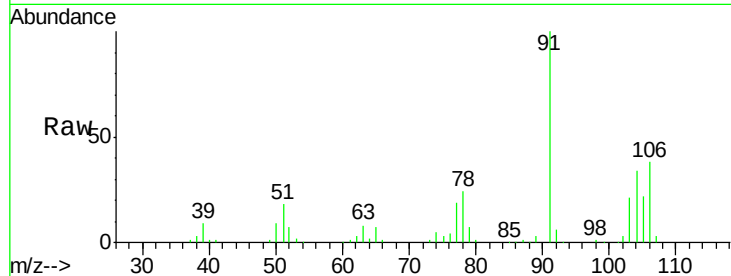
#69
o-Xylene
Concen: 19.511 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion:106 Resp: 25756
Ion Ratio Lower Upper
106 100
91 241.6 110.6 331.6

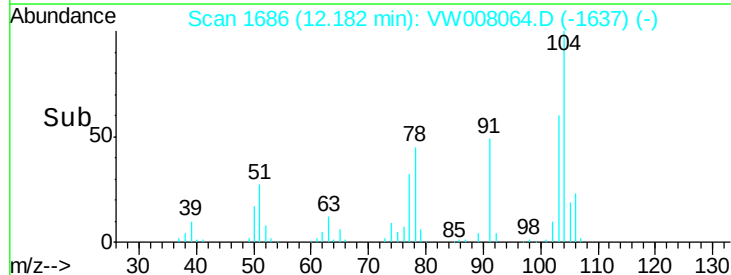
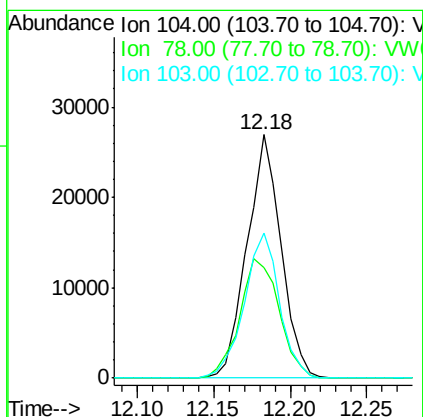
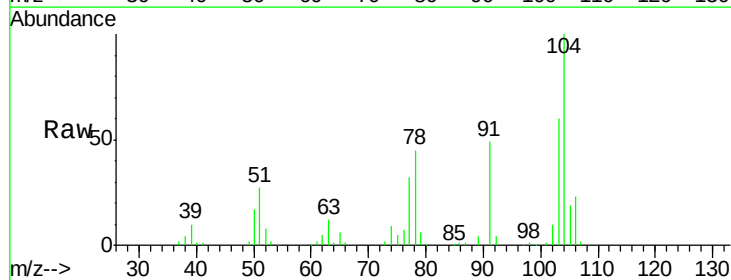
Manual Integrations
APPROVED

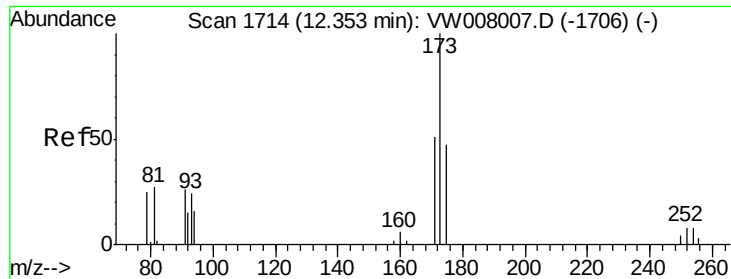
MMDadoda
1/8/2019 11:53:33 AM



#70
Styrene
Concen: 19.402 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:104 Resp: 41745
Ion Ratio Lower Upper
104 100
78 57.0 44.0 66.0
103 61.5 44.6 66.8





#71

Bromoform

Concen: 19.140 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

Tot Ion:173 Resp: 6639

Ion Ratio Lower Upper

173 100

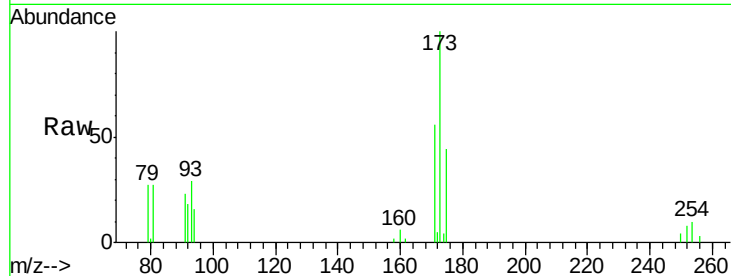
175 49.4 23.6 71.0

254 0.0 0.0 0.0

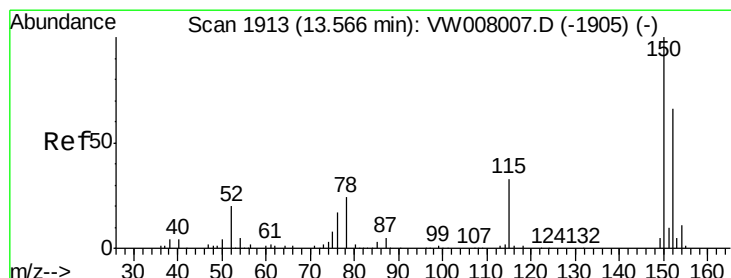
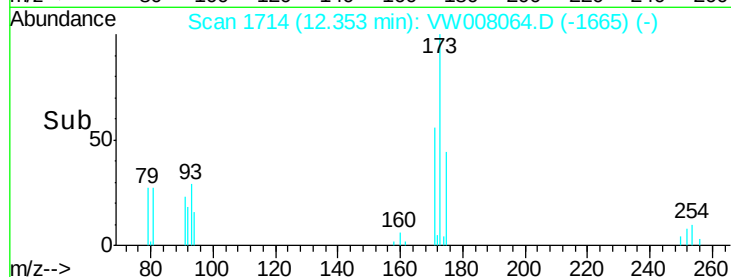
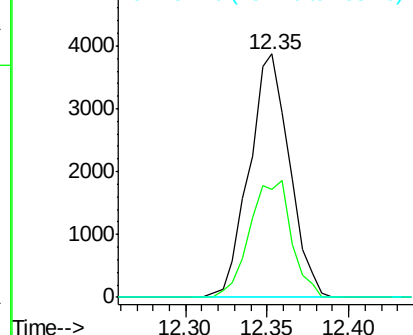
Manual Integrations
APPROVED

MMDadoda

1/8/2019 11:53:33 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

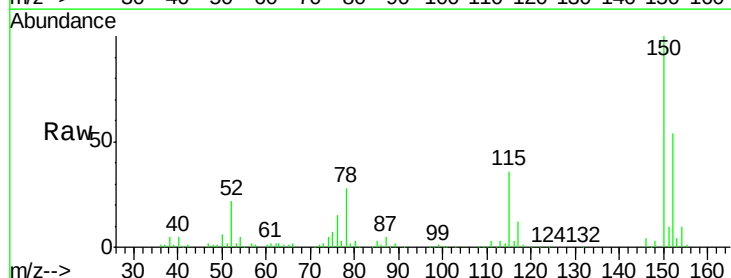
Tgt Ion:152 Resp: 46565

Ion Ratio Lower Upper

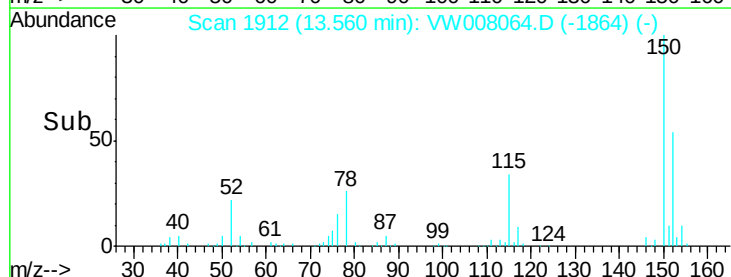
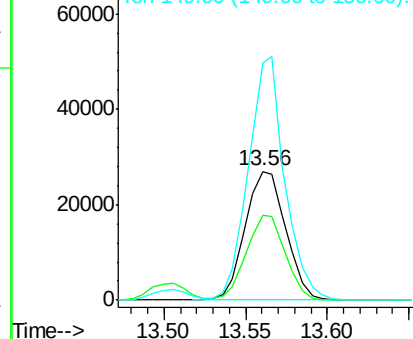
152 100

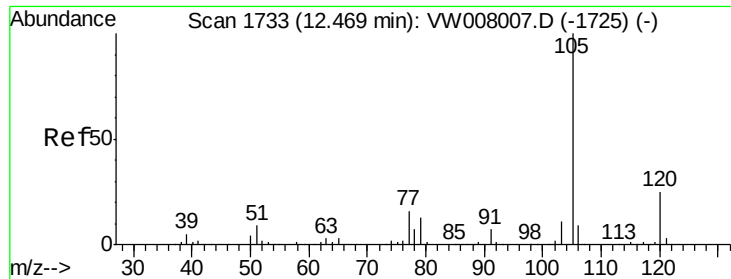
115 62.9 32.1 96.5

150 170.6 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: 20.292 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion:105 Resp: 75137

Ion Ratio Lower Upper

105 100

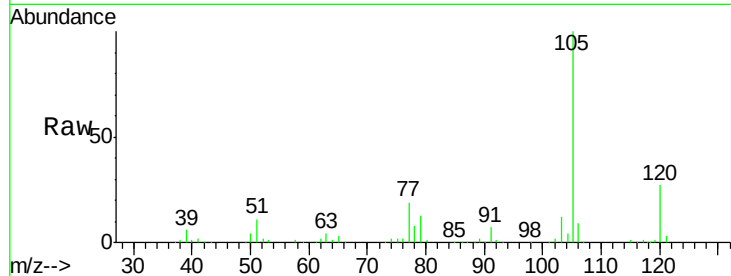
120 25.9 12.8 38.3

Manual Integrations

APPROVED

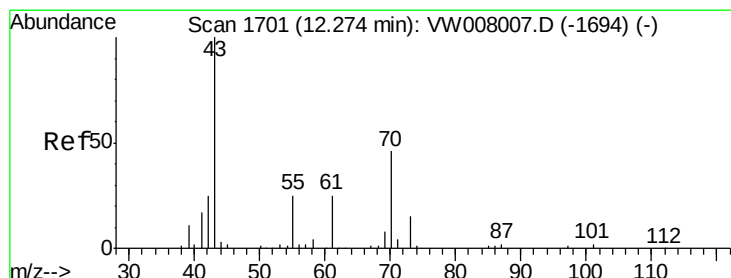
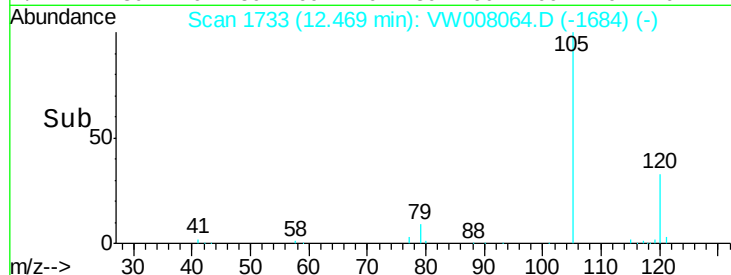
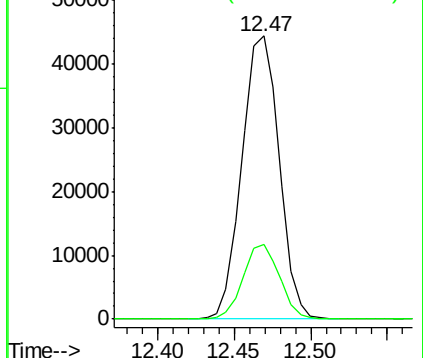
MMDadoda

1/8/2019 11:53:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.608 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion: 43 Resp: 11878

Ion Ratio Lower Upper

43 100

70 46.2 35.2 52.8

55 26.7 21.4 32.0

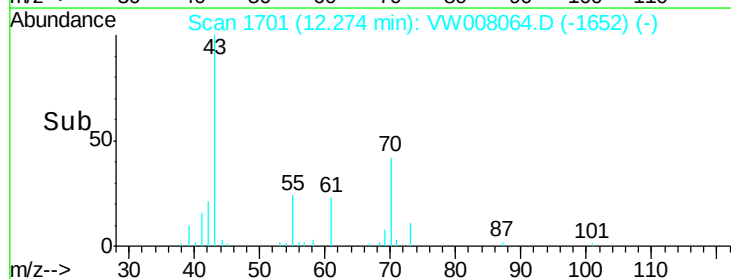
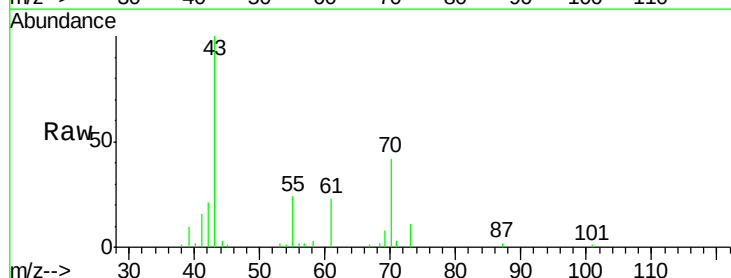
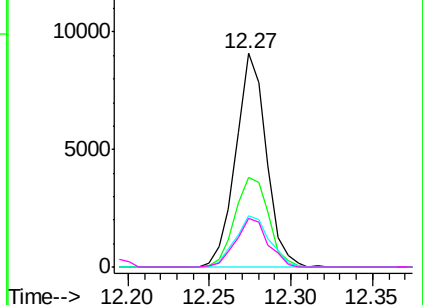
61 24.0 19.4 29.0

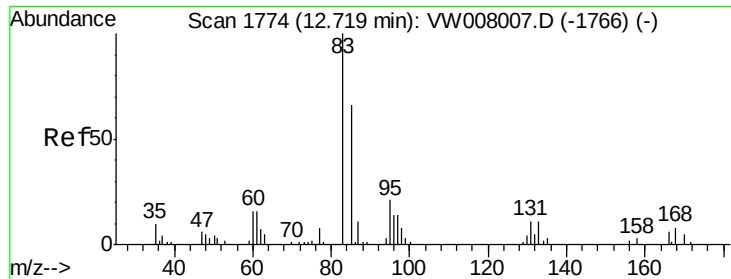
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 22.121 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

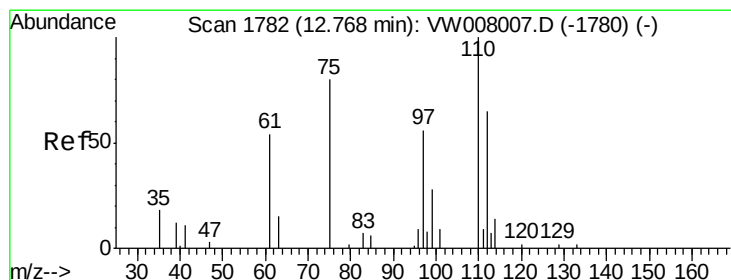
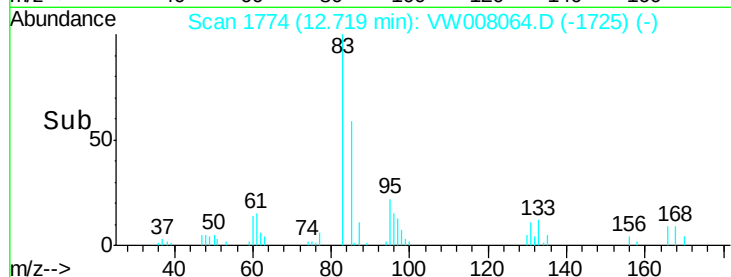
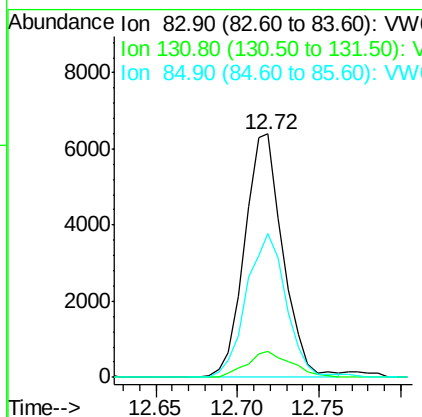
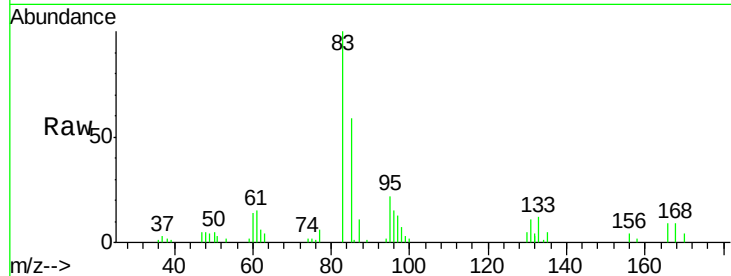
ClientSampled :

VW0107SBS01

Tot Ion:	83	Resp:	10422
Ion Ratio	Lower	Upper	
83	100		
131	12.3	6.5	19.5
85	61.0	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#76

1,2,3-Trichloropropane

Concen: 17.668 ug/l m

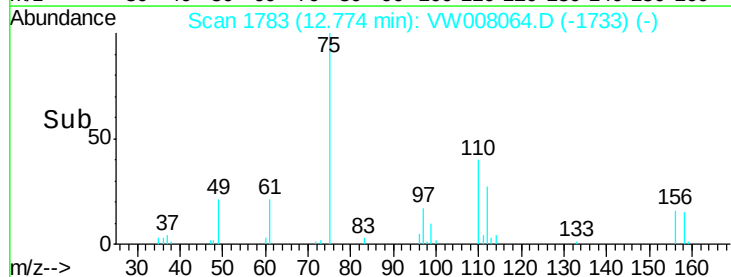
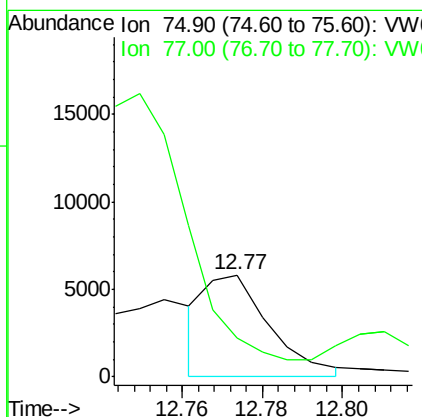
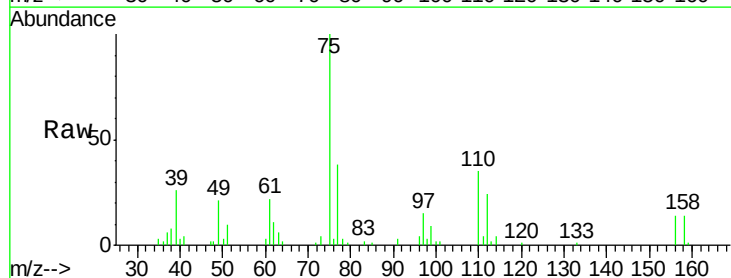
RT: 12.77 min Scan# 1783

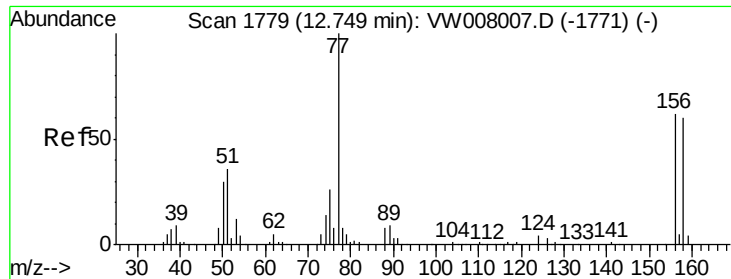
Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion:	75	Resp:	6545
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.2	558.6#





#77

Bromobenzene

Concen: 21.459 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion:156 Resp: 17078

Ion Ratio Lower Upper

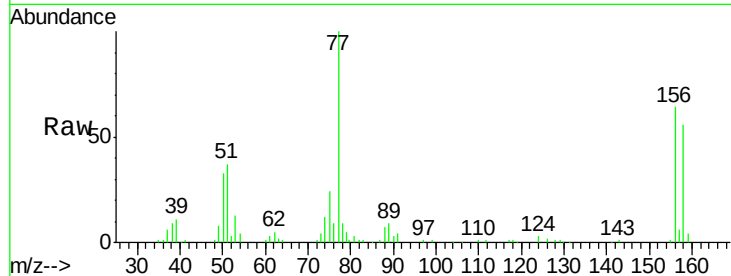
156 100

77 171.5 87.9 263.8

158 88.4 47.8 143.4

Manual Integrations
APPROVED

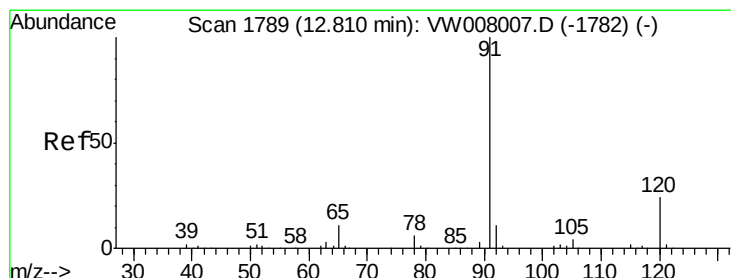
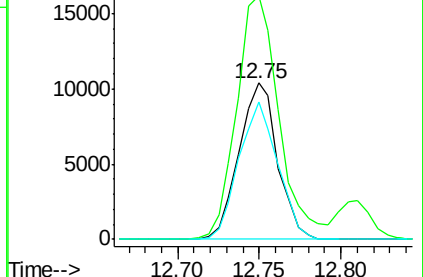
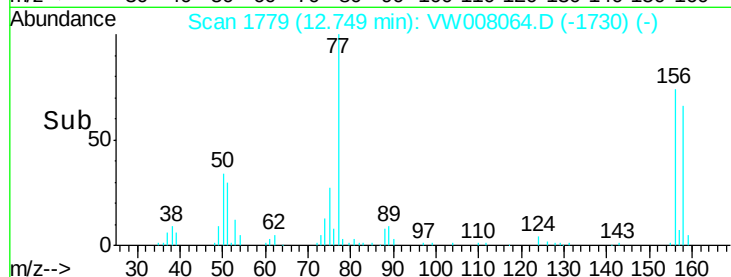
MMDadoda
1/8/2019 11:53:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.668 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008064.D

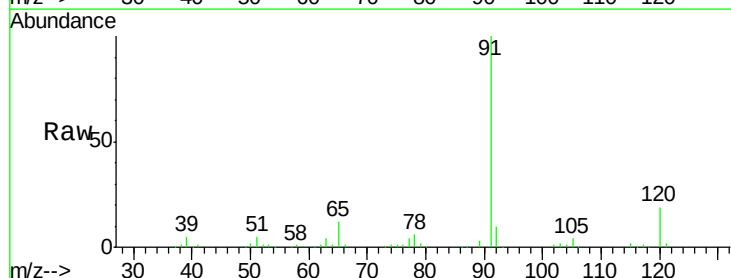
Acq: 07 Jan 2019 12:50

Tgt Ion: 91 Resp: 88726

Ion Ratio Lower Upper

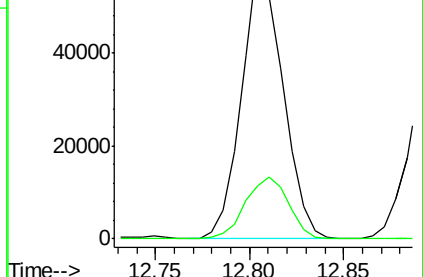
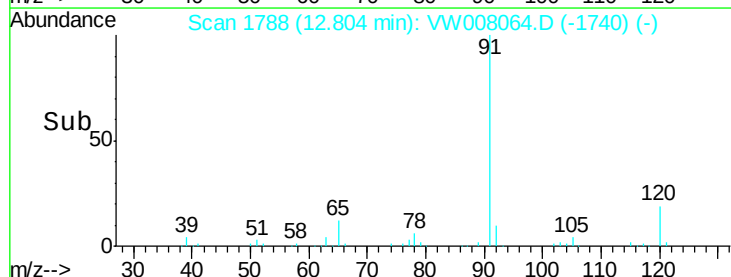
91 100

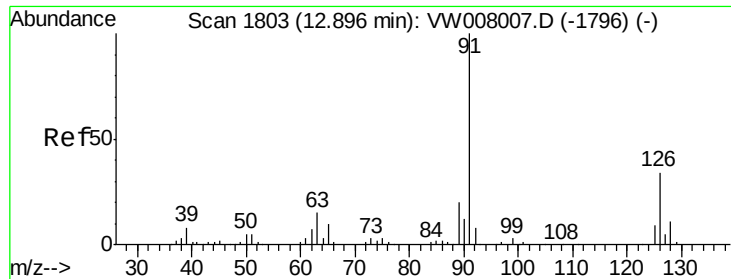
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





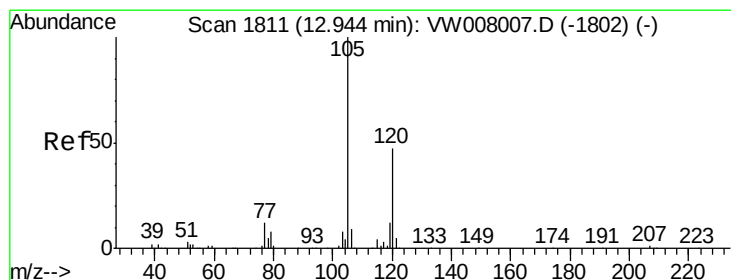
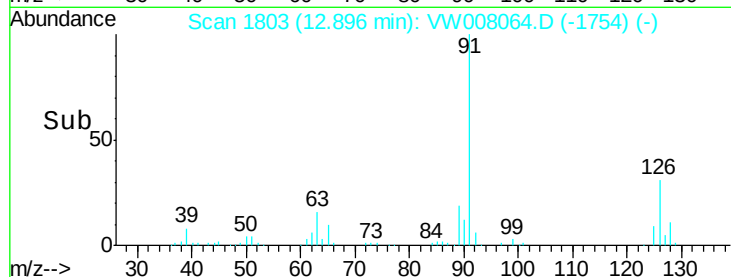
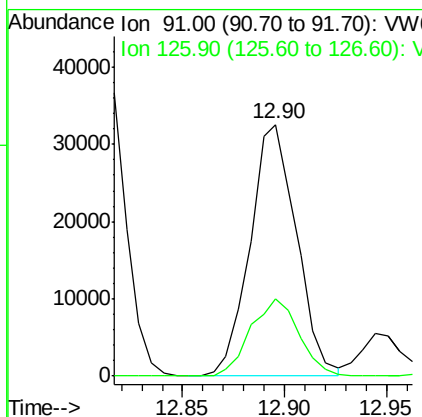
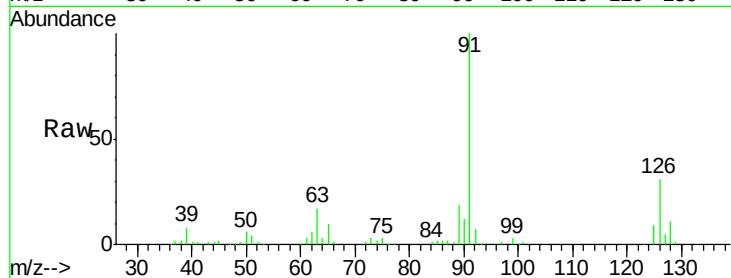
#79
 2-Chlorotoluene
 Concen: 20.715 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion: 91 Resp: 51397
 Ion Ratio Lower Upper
 91 100
 126 32.1 17.1 51.2

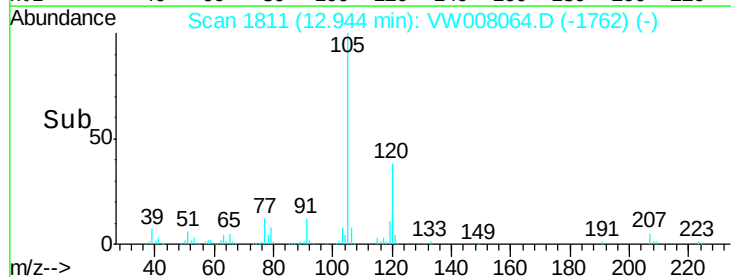
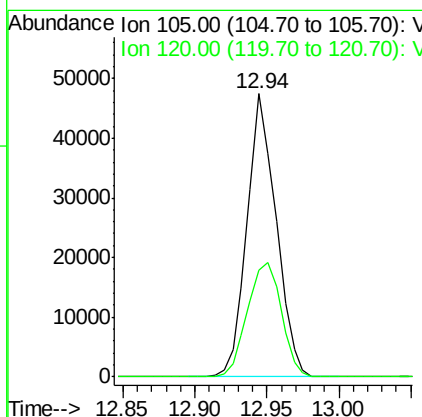
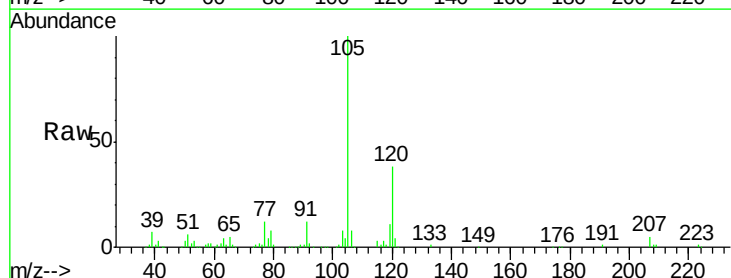
Manual Integrations
 APPROVED

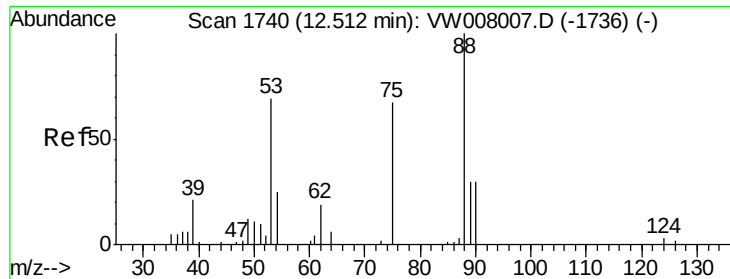
MMDadoda
 1/8/2019 11:53:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.828 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 105 Resp: 66383
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.9





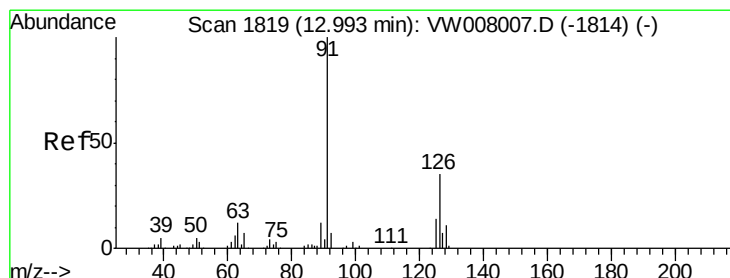
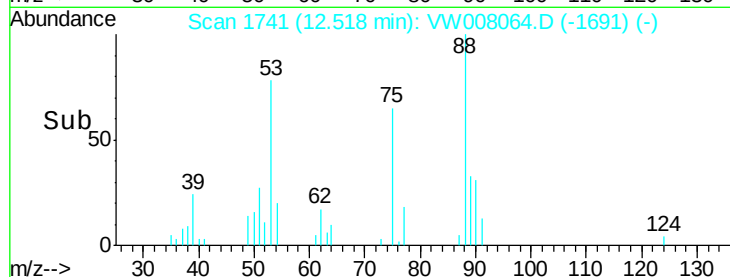
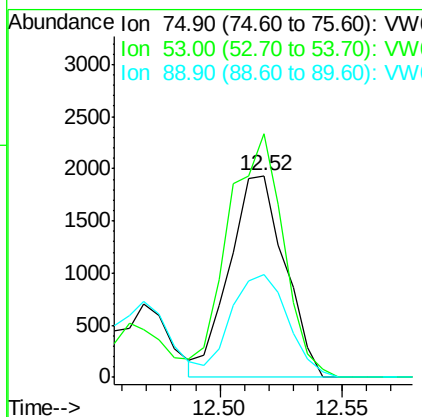
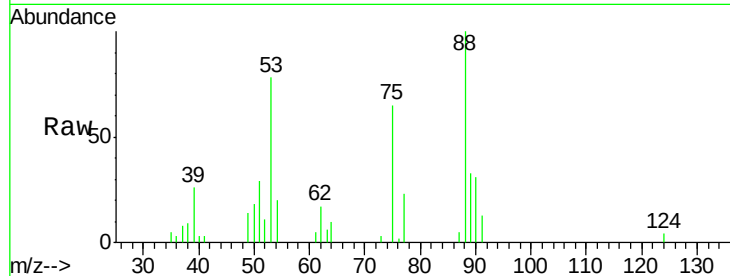
#81
trans-1,4-Dichloro-2-butene
Concen: 19.496 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.2	87.6	131.4
89	52.2	42.2	63.2

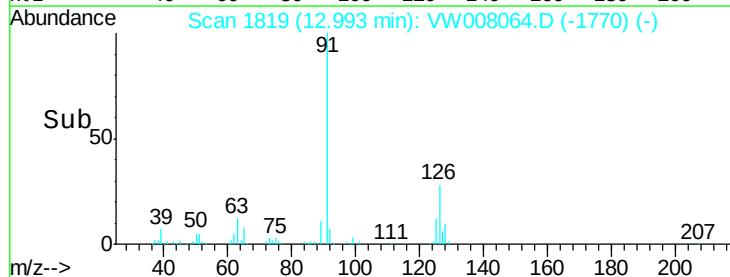
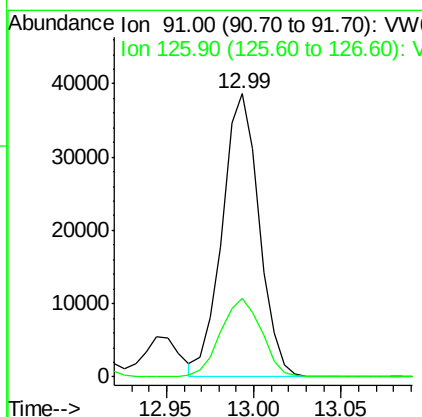
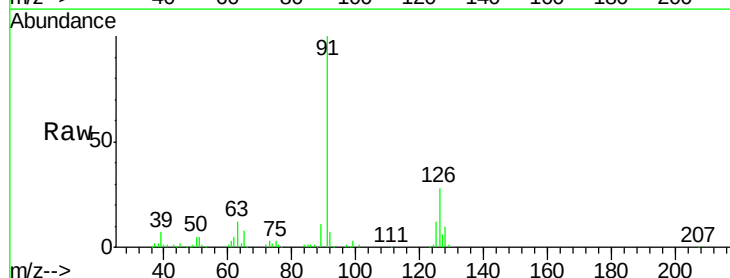
Manual Integrations
APPROVED

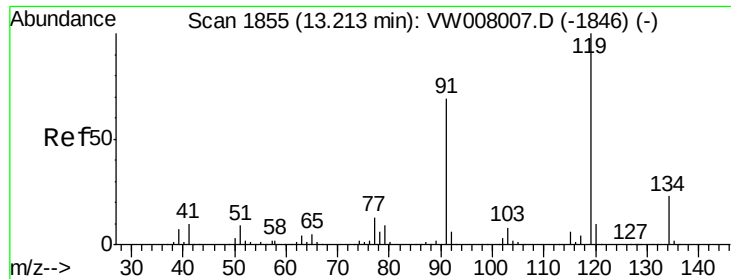
MMDadoda
1/8/2019 11:53:33 AM



#82
4-Chlorotoluene
Concen: 21.577 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	16.7	50.1





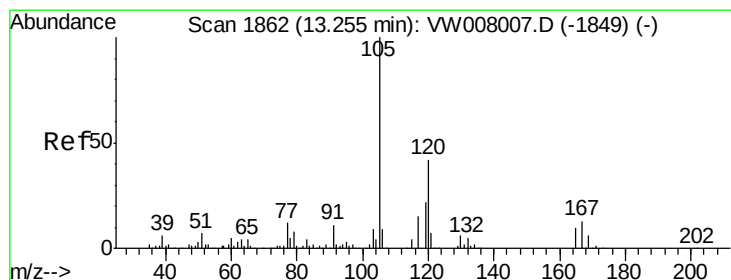
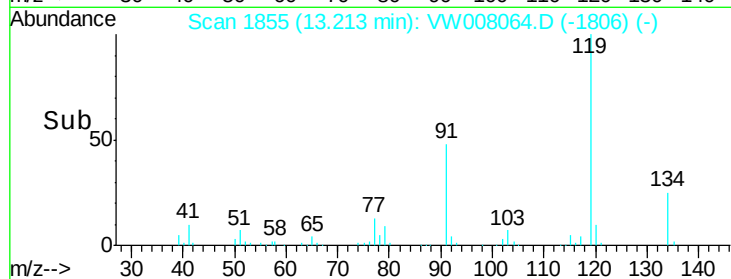
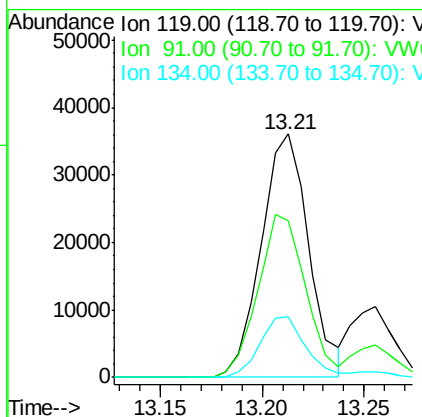
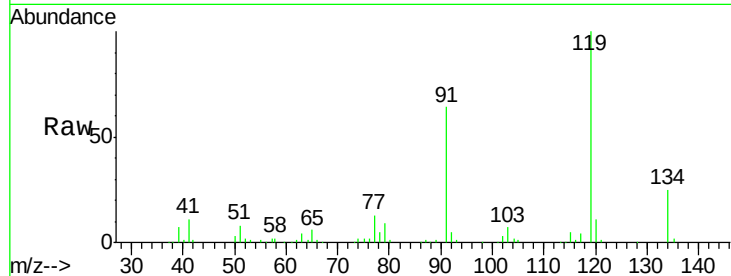
#83
 tert-Butylbenzene
 Concen: 21.061 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.7	104.1
134	24.1	11.5	34.4

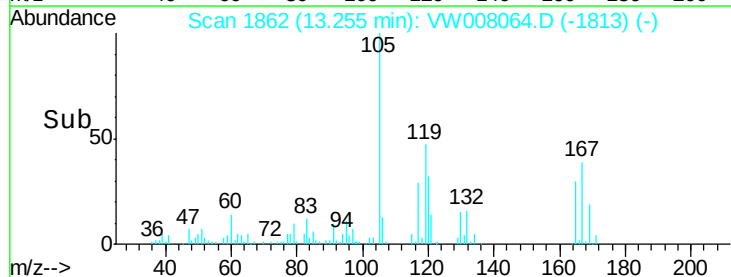
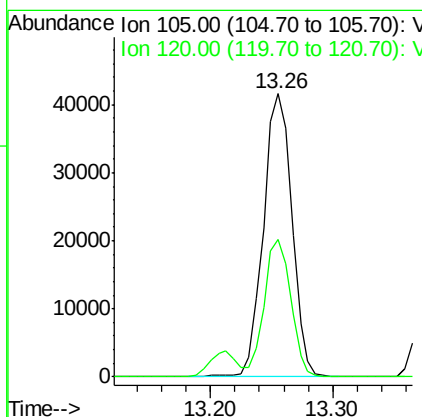
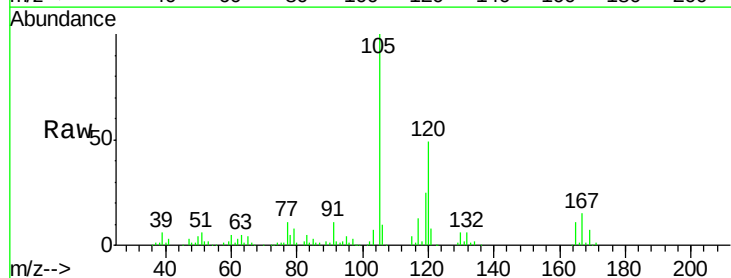
Manual Integrations
 APPROVED

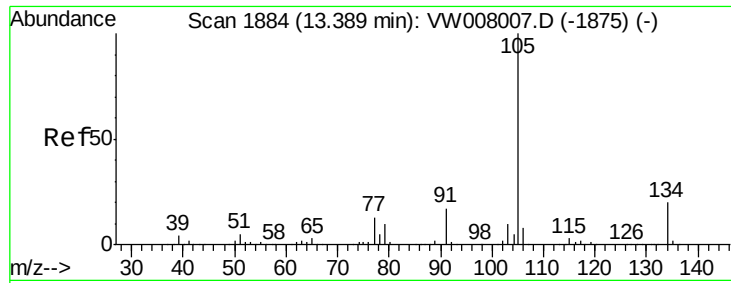
MMDadoda
 1/8/2019 11:53:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.977 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.5	64.5





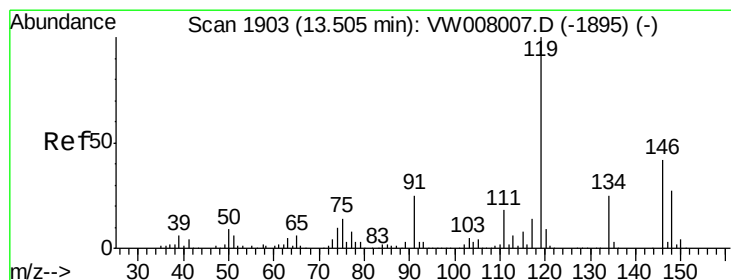
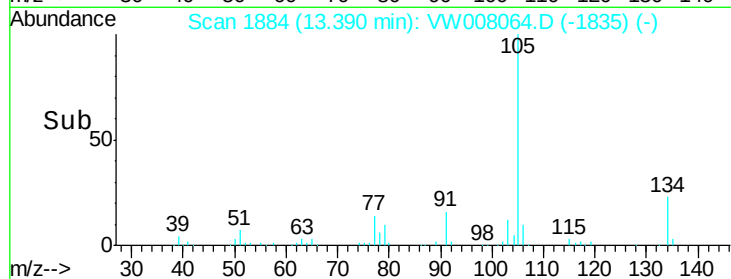
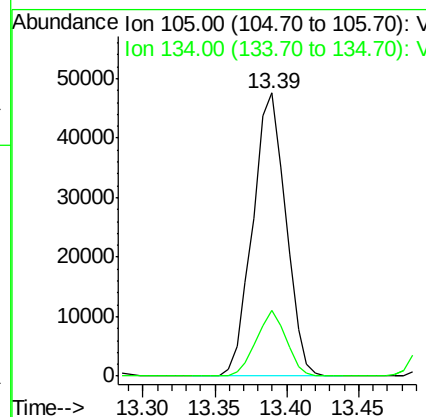
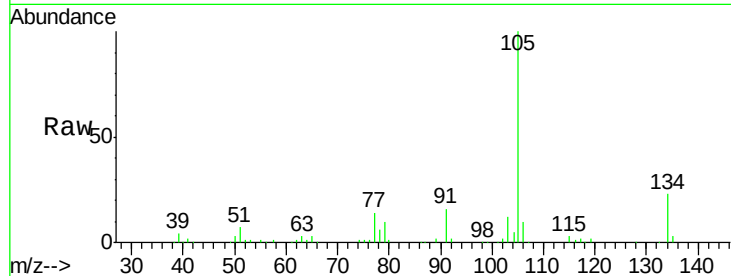
#85
 sec-Butylbenzene
 Concen: 19.653 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0107SBS01

Tot Ion:105 Resp: 75388
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.7 28.9

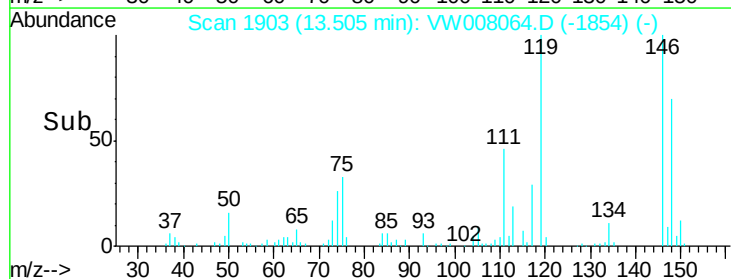
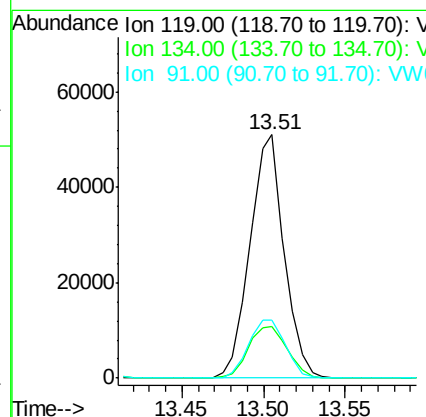
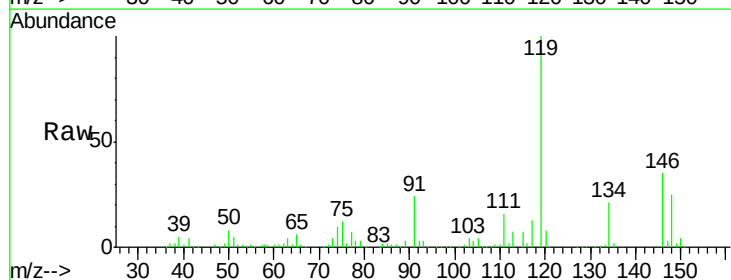
Manual Integrations
 APPROVED

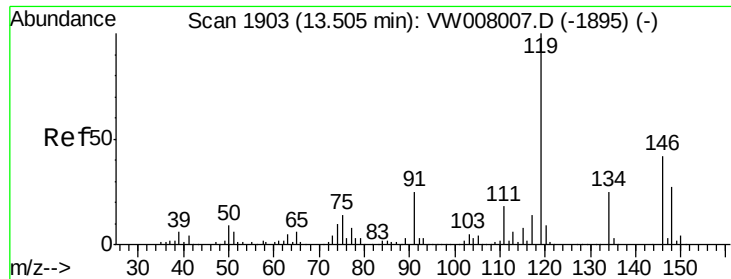
MMDadoda
 1/8/2019 11:53:33 AM



#86
 p-Isopropyltoluene
 Concen: 21.493 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion:119 Resp: 74366
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.5 37.5
 91 25.9 13.1 39.3





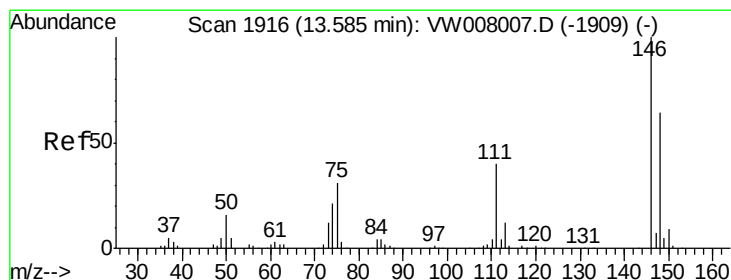
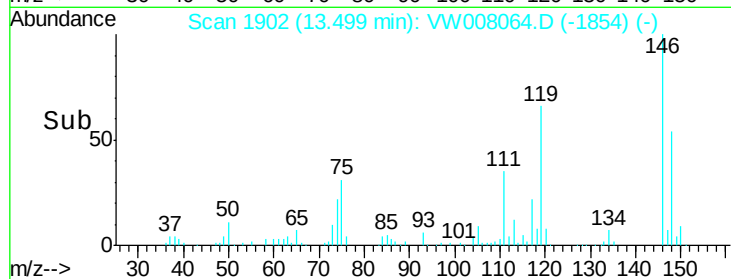
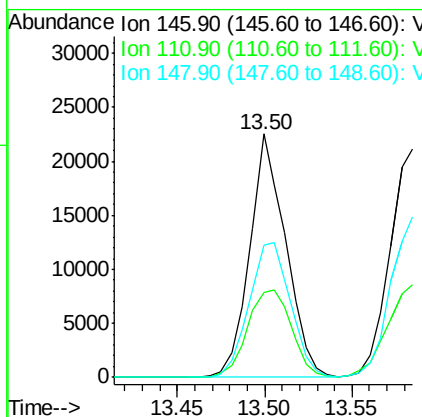
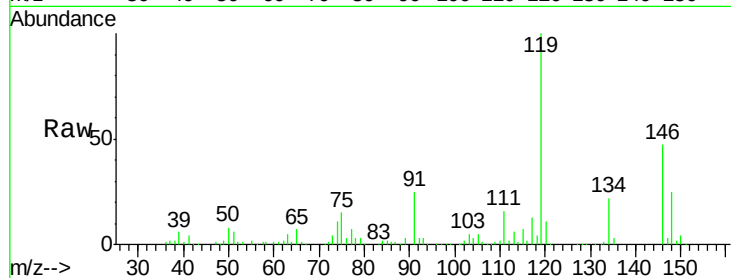
#87
 1,3-Dichlorobenzene
 Concen: 20.081 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.2
148	63.7	31.9	95.5

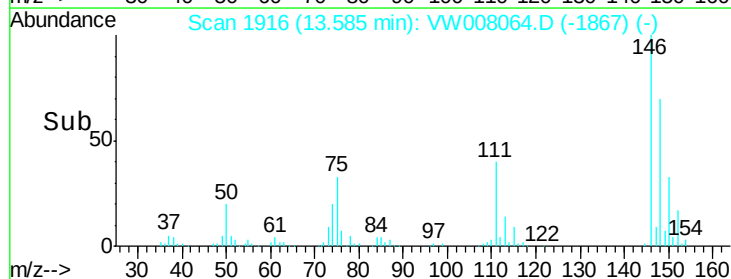
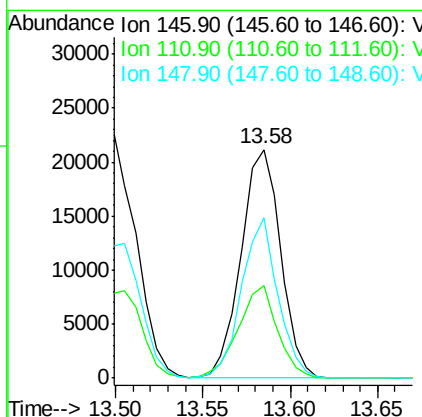
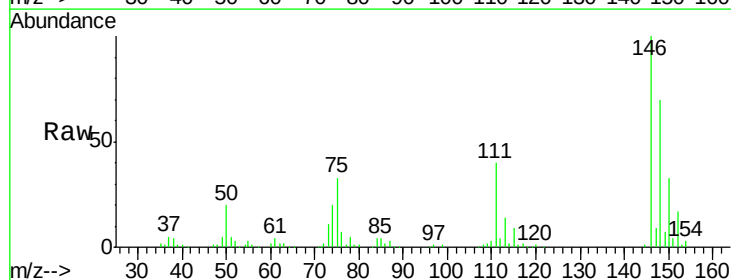
Manual Integrations
 APPROVED

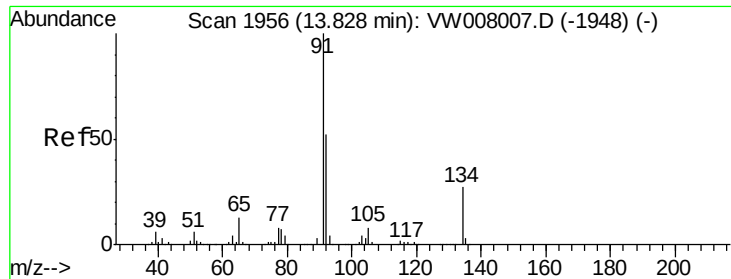
MMDadoda
 1/8/2019 11:53:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.9	62.8
148	64.5	31.9	95.9





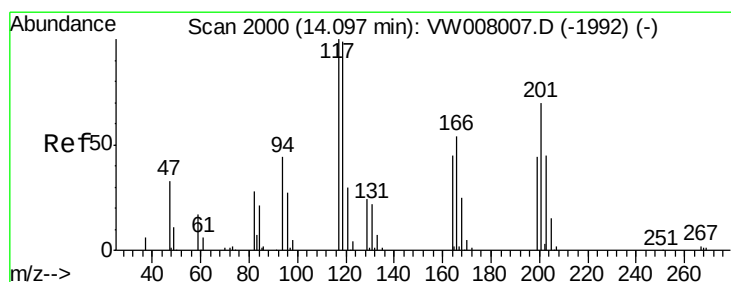
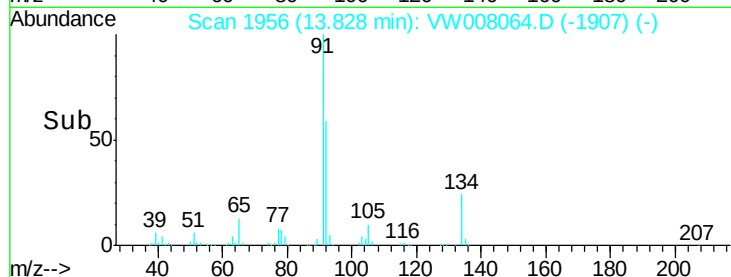
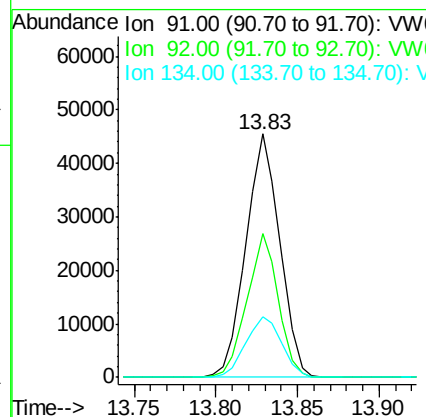
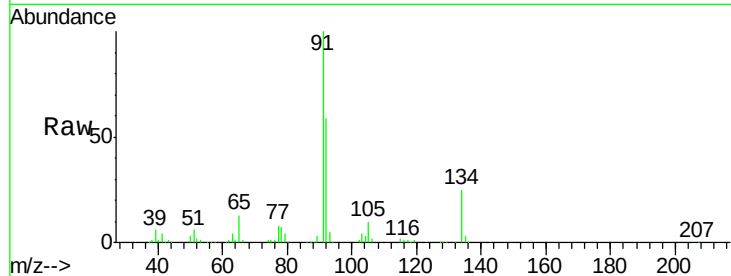
#89
n-Butylbenzene
Concen: 20.849 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.4	79.2
134	26.6	13.4	40.2

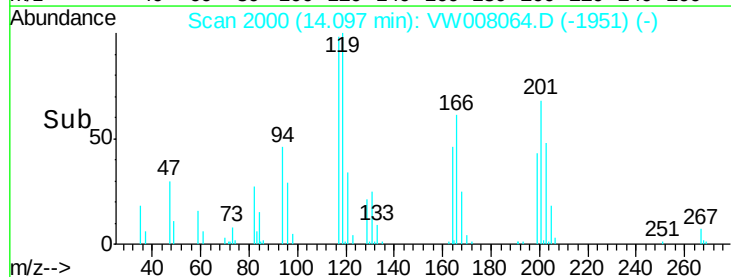
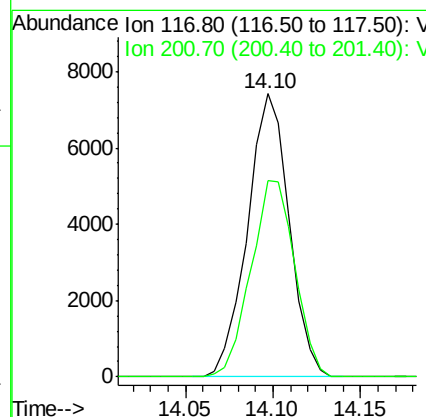
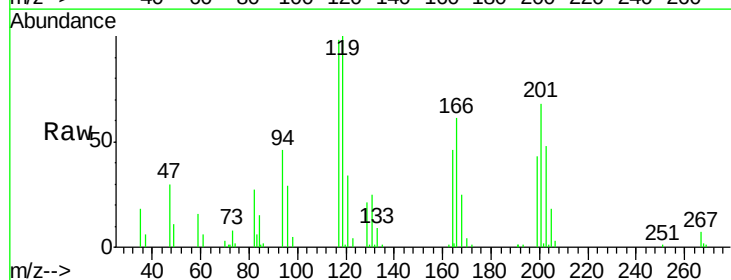
Manual Integrations
APPROVED

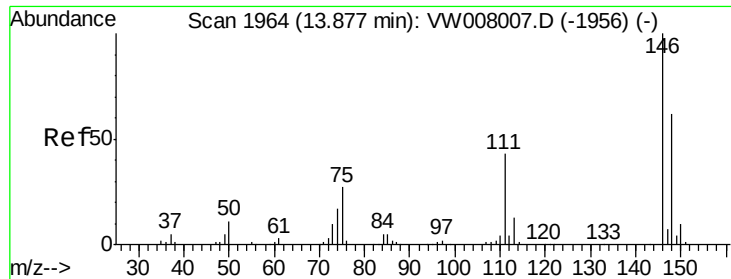
MMDadoda
1/8/2019 11:53:33 AM



#90
Hexachloroethane
Concen: 20.552 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	37.1	111.5





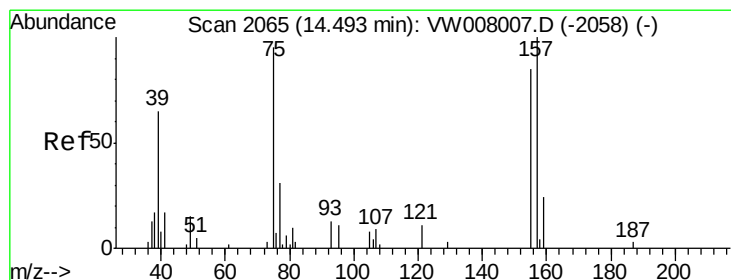
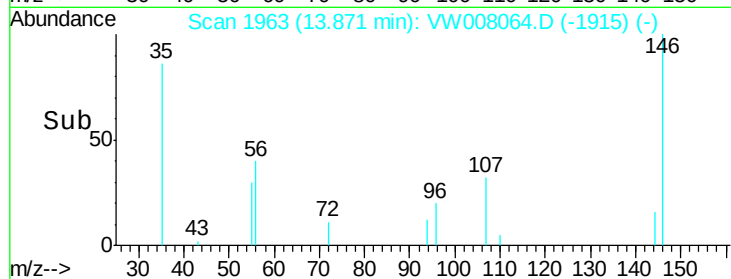
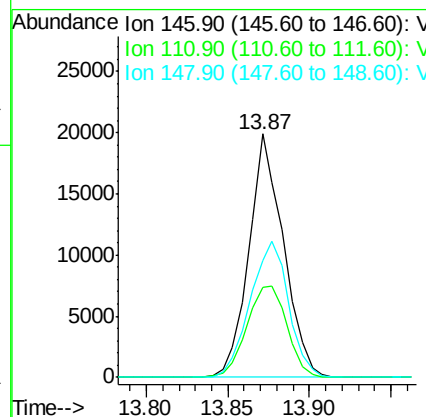
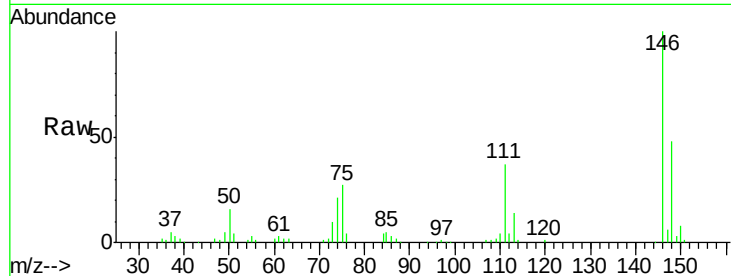
#91
 1,2-Dichlorobenzene
 Concen: 20.757 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.6	67.7
148	61.9	32.1	96.3

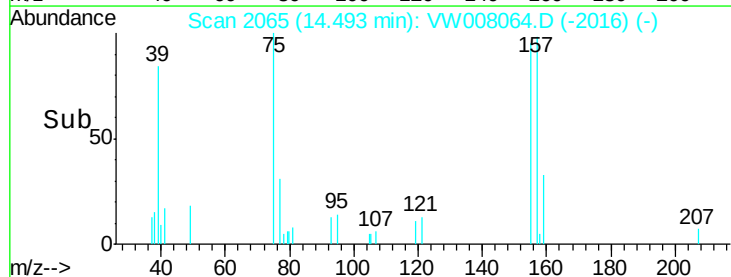
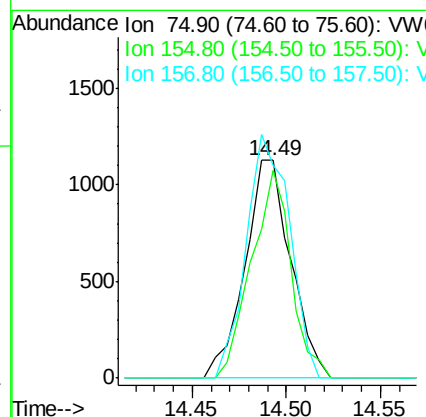
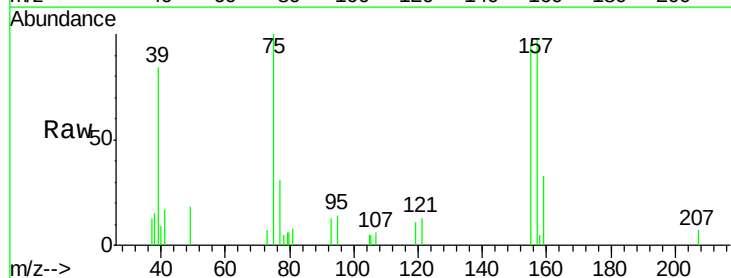
Manual Integrations
 APPROVED

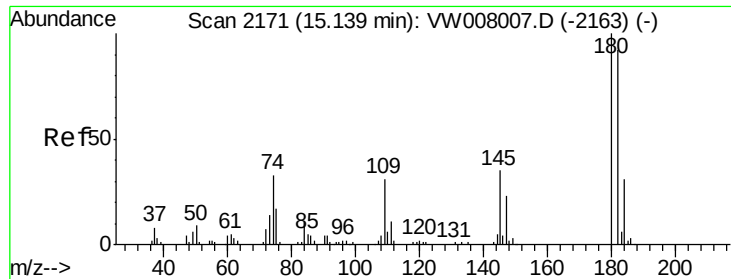
MMDadoda
 1/8/2019 11:53:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.891 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	42.4	127.1
157	105.7	52.3	156.8





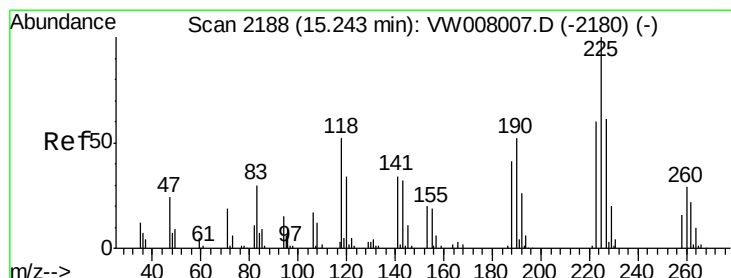
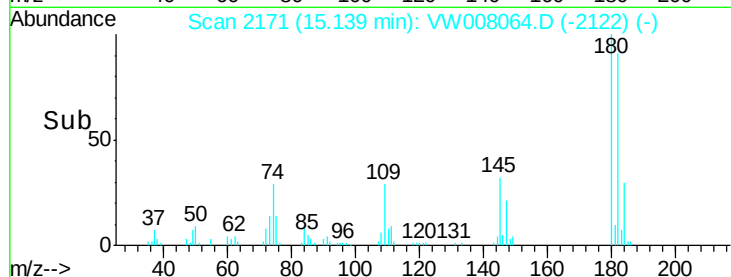
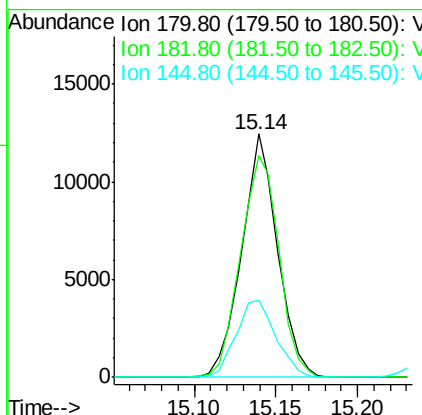
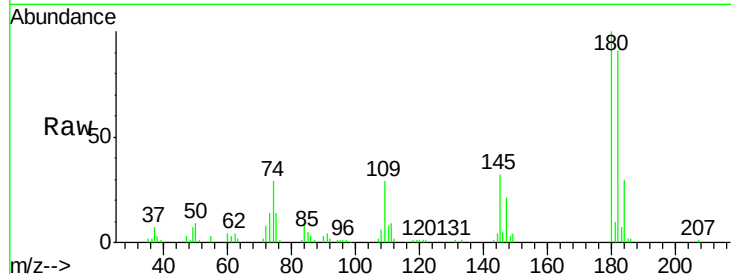
#93
 1,2,4-Trichlorobenzene
 Concen: 19.176 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.6	139.8
145	35.2	17.2	51.6

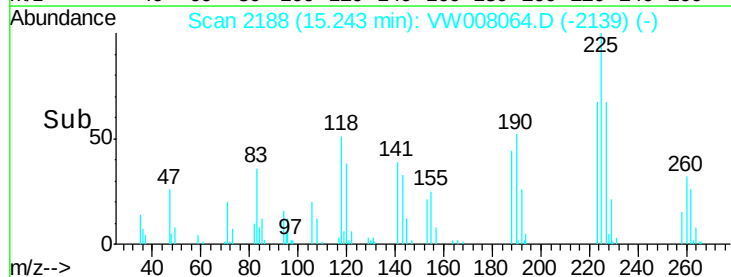
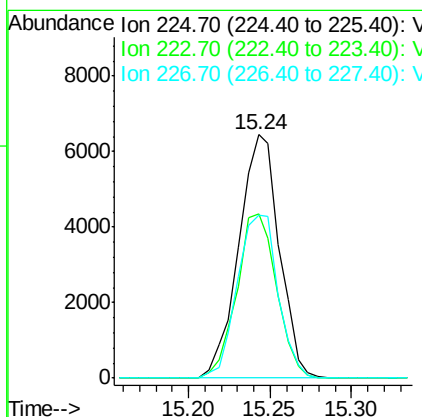
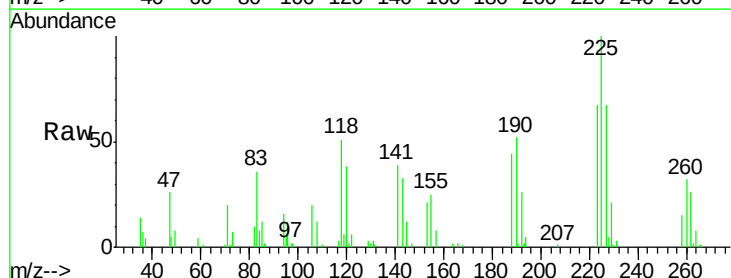
Manual Integrations
 APPROVED

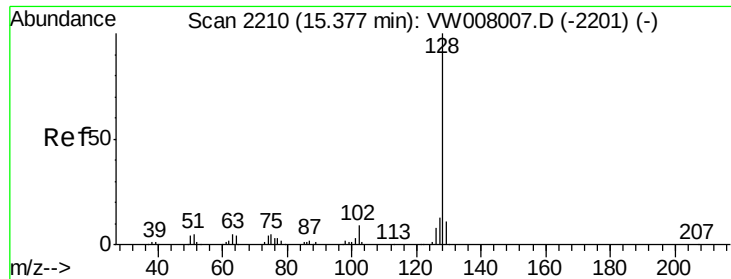
MMDadoda
 1/8/2019 11:53:33 AM



#94
 Hexachlorobutadiene
 Concen: 19.467 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	30.6	92.0
227	67.5	31.3	93.8





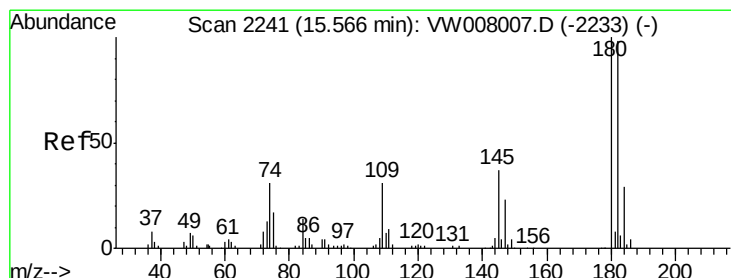
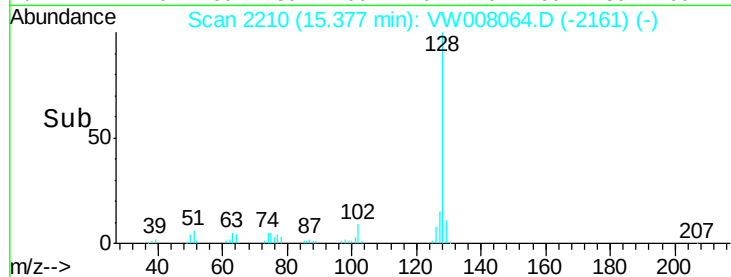
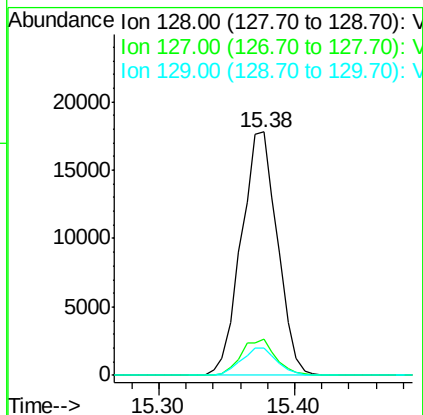
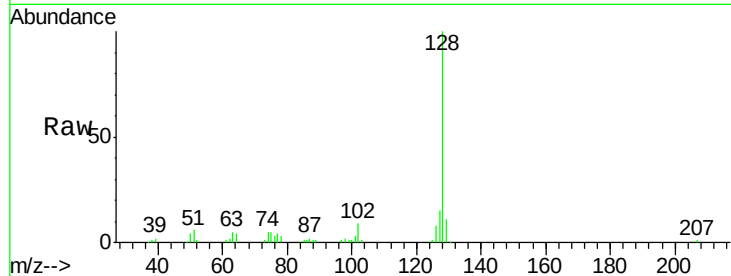
#95
Naphthalene
Concen: 19.572 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/8/2019 11:53:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.201 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.8
145	36.1	18.7	56.1

