

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061219\
 Data File : VW010779.D
 Acq On : 12 Jun 2019 15:42
 Operator : SY/VA
 Sample : VW0612SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:32:15 AM

Quant Time: Jun 13 08:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147713	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	113698	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.32	98	478378	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.62	95	176986	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	46433	21.616	ug/l	99
3) Chloromethane	2.21	50	69854	22.103	ug/l	96
4) Vinyl Chloride	2.35	62	61264	20.981	ug/l	98
5) Bromomethane	2.72	94	33657	20.990	ug/l	97
6) Chloroethane	2.89	64	33757	19.260	ug/l	97
7) Trichlorofluoromethane	3.24	101	84408	22.269	ug/l	99
8) Diethyl Ether	3.68	74	29841	22.030	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	51520	22.108	ug/l	98
10) Methyl Iodide	4.26	142	38231	19.196	ug/l	99
11) Tert butyl alcohol	5.17	59	40328	180.675	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	48588	21.614	ug/l	94
13) Acrolein	3.89	56	6583	72.174	ug/l	96
14) Allyl chloride	4.67	41	110968	22.388	ug/l	98
15) Acrylonitrile	5.37	53	73065	111.031	ug/l	99
16) Acetone	4.12	43	80417	109.540	ug/l	98
17) Carbon Disulfide	4.37	76	146484	20.527	ug/l	99
18) Methyl Acetate	4.67	43	35922	22.731	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	143164	22.081	ug/l	97
20) Methylene Chloride	4.91	84	57351	22.269	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	56088	21.979	ug/l	99
22) Diisopropyl ether	6.31	45	228264	23.003	ug/l	96
23) Vinyl Acetate	6.25	43	668013	111.547	ug/l	99
24) 1,1-Dichloroethane	6.21	63	113807	22.885	ug/l	98
25) 2-Butanone	7.17	43	116111	114.061	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98415	24.320	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	62734	22.338	ug/l	95
28) Bromochloromethane	7.51	49	47940	21.601	ug/l	98
29) Tetrahydrofuran	7.53	42	70953	110.812	ug/l	98
30) Chloroform	7.67	83	102310	22.492	ug/l	97
31) Cyclohexane	7.95	56	119890	21.688	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	89775	22.594	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86428	22.326	ug/l	100
37) Ethyl Acetate	7.25	43	50078	23.344	ug/l	99
38) Carbon Tetrachloride	8.07	117	74858	22.400	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061219\
 Data File : VW010779.D
 Acq On : 12 Jun 2019 15:42
 Operator : SY/VA
 Sample : VW0612SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0612SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:32:15 AM

Quant Time: Jun 13 08:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107146	21.773	ug/l	98
40) Benzene	8.32	78	238535	22.587	ug/l	99
41) Methacrylonitrile	7.48	41	25037	19.635	ug/l	92
42) 1,2-Dichloroethane	8.40	62	76726	22.891	ug/l	99
43) Isopropyl Acetate	8.43	43	91871	22.168	ug/l	99
44) Trichloroethene	9.09	130	58044	22.281	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64297	22.999	ug/l	98
46) Dibromomethane	9.46	93	28798	22.178	ug/l	99
47) Bromodichloromethane	9.65	83	73918	21.961	ug/l	97
48) Methyl methacrylate	9.43	41	45044	22.542	ug/l	98
49) 1,4-Dioxane	9.45	88	9229	454.607	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	240400	113.545	ug/l	99
52) Toluene	10.39	92	146305	22.516	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79404	22.273	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94215	22.458	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42075	22.493	ug/l	98
56) Ethyl methacrylate	10.65	69	63126	21.931	ug/l	96
57) 1,3-Dichloropropane	10.93	76	78751	22.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	138069	91.582	ug/l	100
59) 2-Hexanone	10.97	43	172680	112.850	ug/l	98
60) Dibromochloromethane	11.13	129	44505	21.463	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38644	21.804	ug/l	98
64) Tetrachloroethene	10.86	164	47830	21.420	ug/l	99
65) Chlorobenzene	11.66	112	147022	22.231	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	51168	22.350	ug/l	100
67) Ethyl Benzene	11.73	91	283151	22.277	ug/l	98
68) m/p-Xylenes	11.84	106	204628	44.974	ug/l	98
69) o-Xylene	12.16	106	97379	22.566	ug/l	99
70) Styrene	12.18	104	168321	22.454	ug/l	100
71) Bromoform	12.35	173	24637	20.808	ug/l	99
73) Isopropylbenzene	12.46	105	270971	21.758	ug/l	99
74) N-amyl acetate	12.27	43	89096	22.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49704	20.964	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37652m	21.634	ug/l	
77) Bromobenzene	12.75	156	58886	21.661	ug/l	98
78) n-propylbenzene	12.80	91	325808	21.696	ug/l	100
79) 2-Chlorotoluene	12.90	91	188358	21.954	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	223392	21.914	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15314	20.223	ug/l	99
82) 4-Chlorotoluene	12.99	91	195958	22.133	ug/l	100
83) tert-Butylbenzene	13.21	119	187947	21.725	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	225168	21.950	ug/l	99
85) sec-Butylbenzene	13.38	105	272904	21.666	ug/l	99
86) p-Isopropyltoluene	13.50	119	244743	21.728	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	114105	21.765	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	114662	22.061	ug/l	98
89) n-Butylbenzene	13.83	91	247624	22.033	ug/l	100
90) Hexachloroethane	14.10	117	43251	21.441	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	103208	21.891	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8601	21.125	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061219\
Data File : VW010779.D
Acq On : 12 Jun 2019 15:42
Operator : SY/VA
Sample : VW0612SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

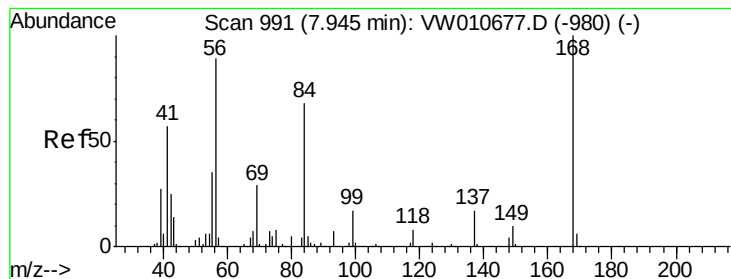
Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM

Quant Time: Jun 13 08:08:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	72463	21.902	ug/l	98
94) Hexachlorobutadiene	15.24	225	45534	21.929	ug/l	98
95) Naphthalene	15.37	128	119367	19.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	60788	21.604	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion:168 Resp: 232451

Ion Ratio Lower Upper

168 100

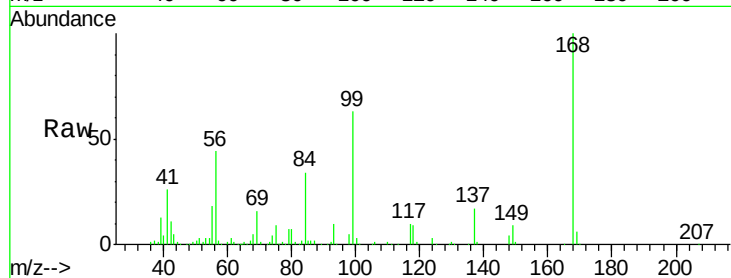
99 63.2 47.7 71.5

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

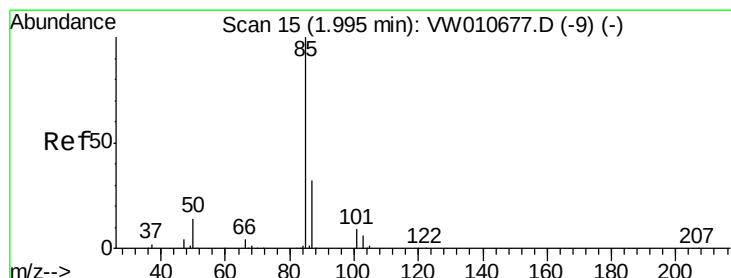
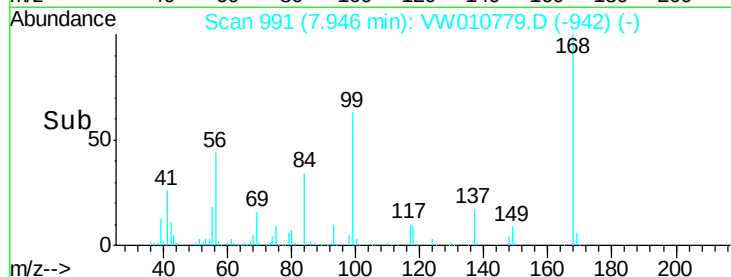
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.616 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010779.D

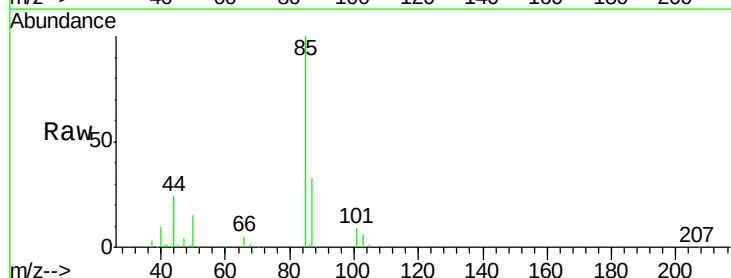
Acq: 12 Jun 2019 15:42

Tgt Ion: 85 Resp: 46433

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

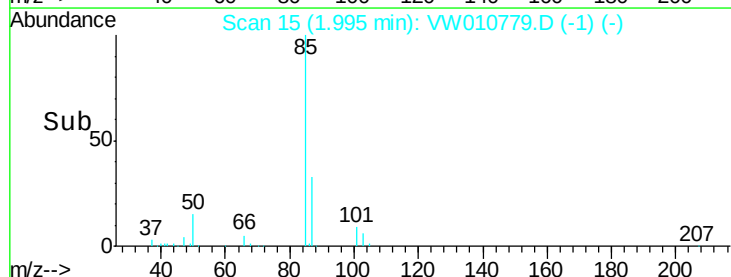
15000

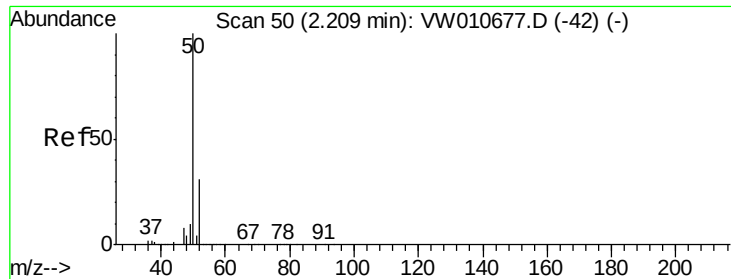
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.103 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 50 Resp: 69854

Ion Ratio Lower Upper

50 100

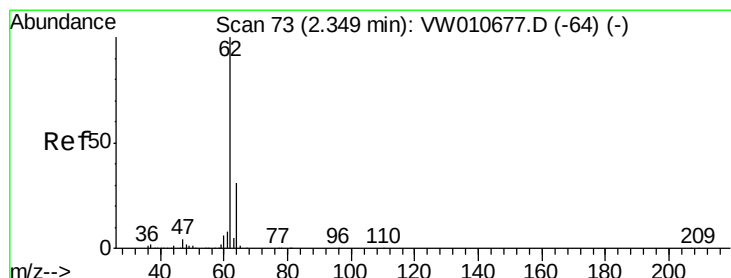
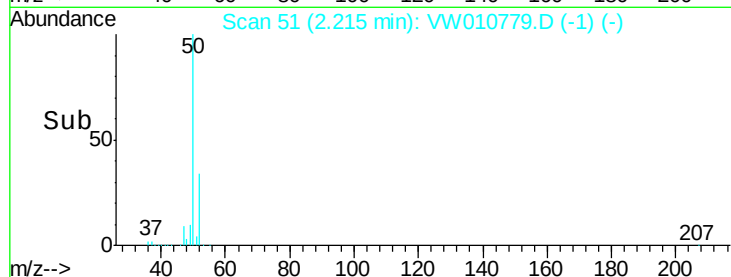
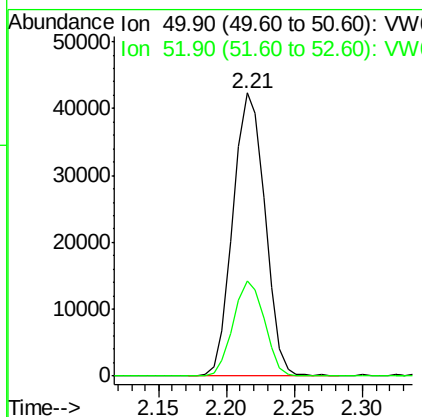
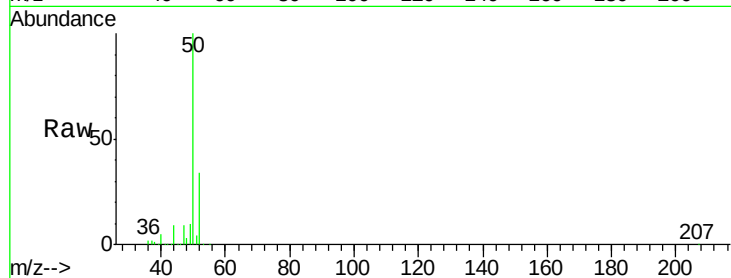
52 33.9 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#4

Vinyl Chloride

Concen: 20.981 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010779.D

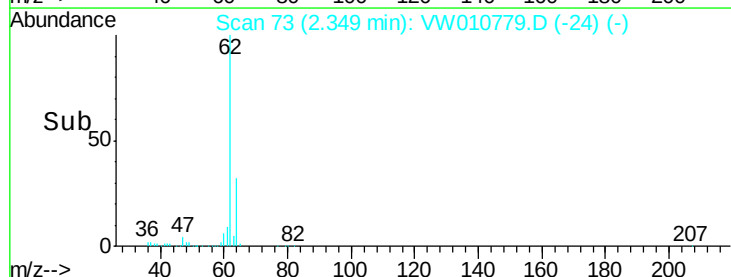
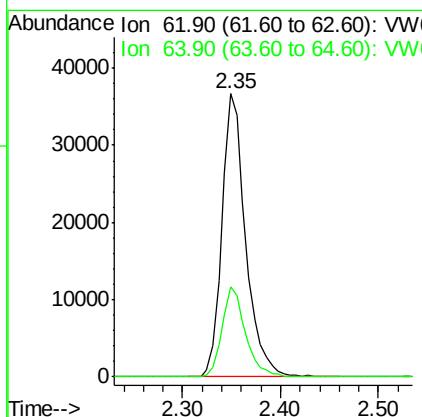
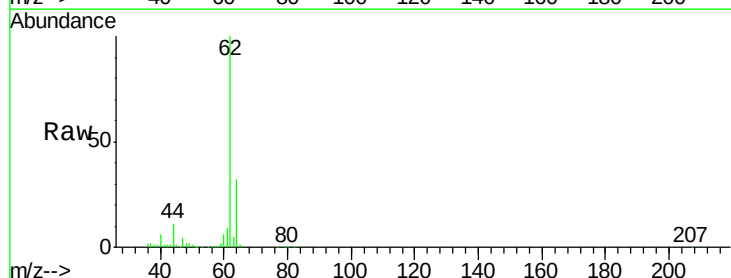
Acq: 12 Jun 2019 15:42

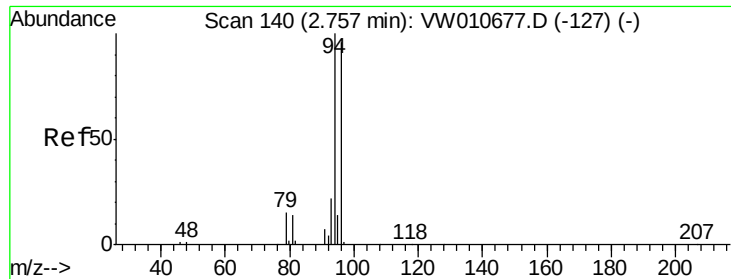
Tgt Ion: 62 Resp: 61264

Ion Ratio Lower Upper

62 100

64 31.7 24.5 36.7





#5

Bromomethane

Concen: 20.990 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.04 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 94 Resp: 33657

Ion Ratio Lower Upper

94 100

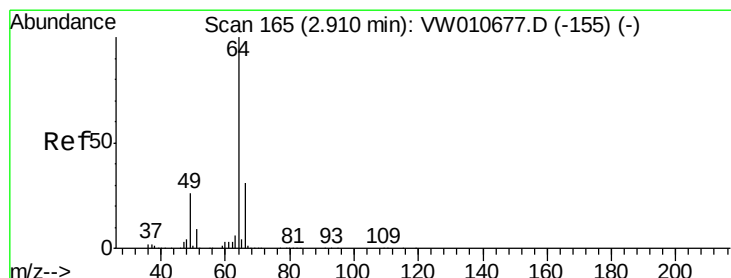
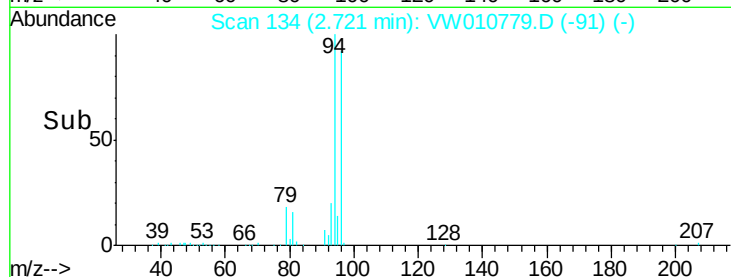
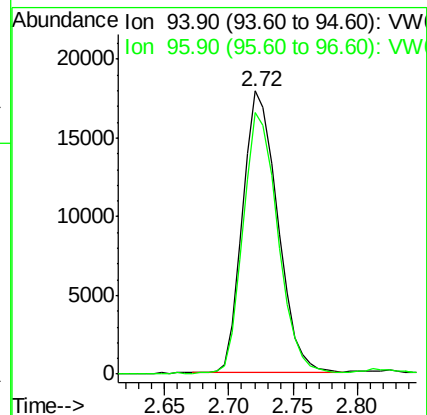
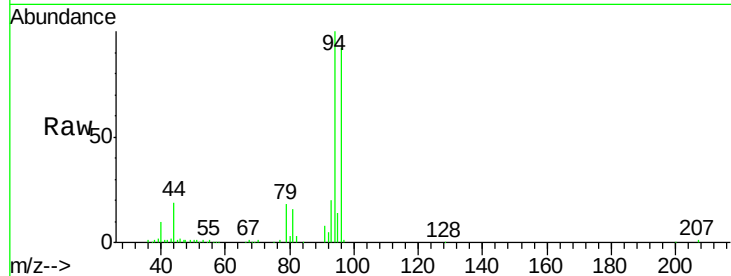
96 92.4 76.5 114.7

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#6

Chloroethane

Concen: 19.260 ug/l

RT: 2.89 min Scan# 161

Delta R.T. -0.02 min

Lab File: VW010779.D

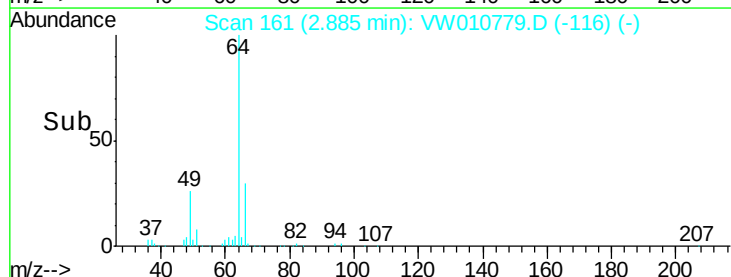
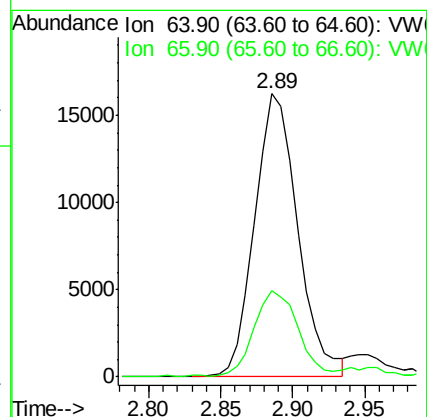
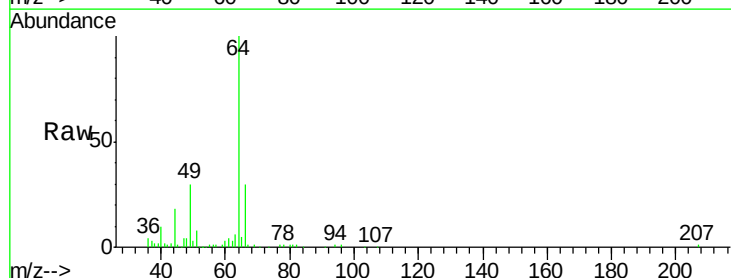
Acq: 12 Jun 2019 15:42

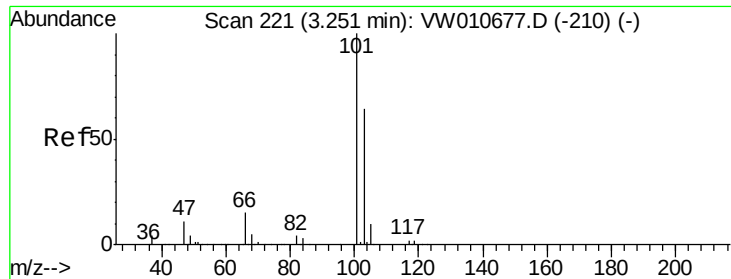
Tgt Ion: 64 Resp: 33757

Ion Ratio Lower Upper

64 100

66 29.9 25.1 37.7





#7

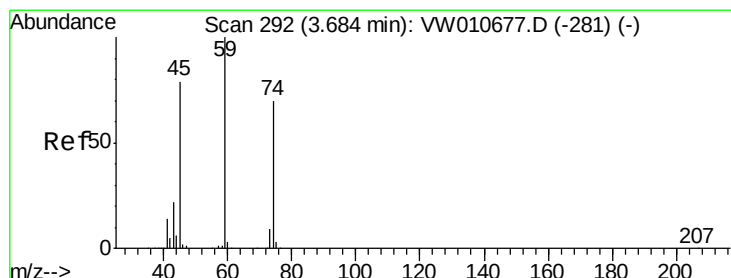
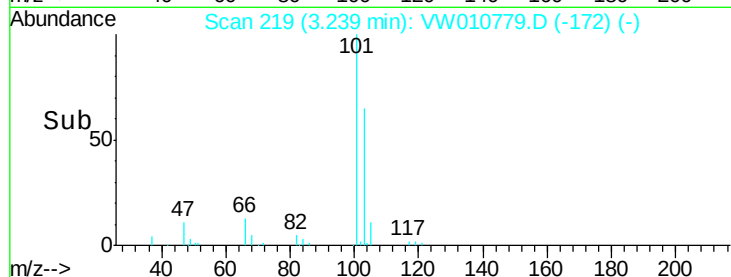
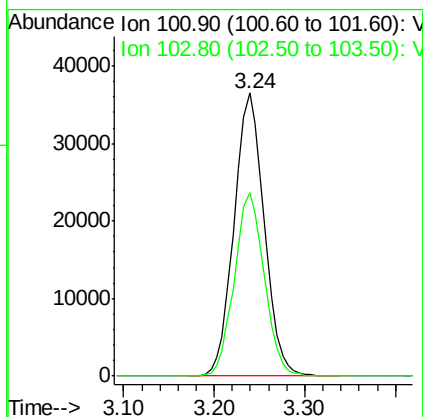
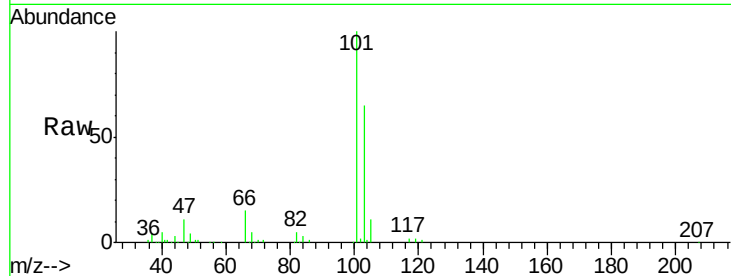
Trichlorofluoromethane
 Concen: 22.269 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

Manual Integrations
 APPROVED

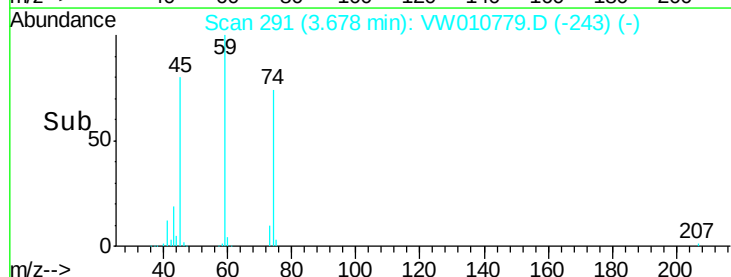
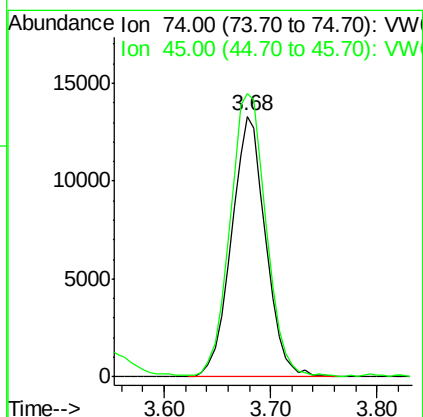
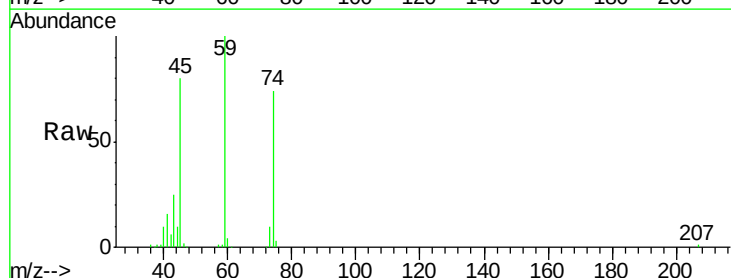
MMDadoda
 6/13/2019 11:32:15 AM

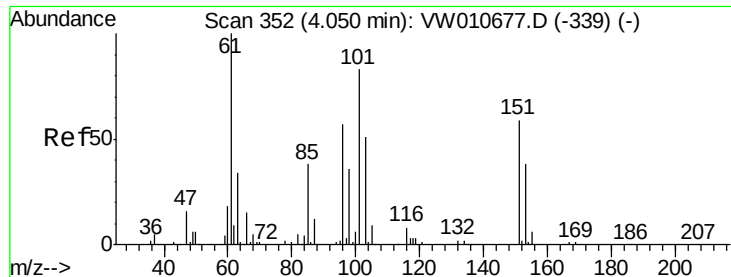


#8

Diethyl Ether
 Concen: 22.030 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.9	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.108 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

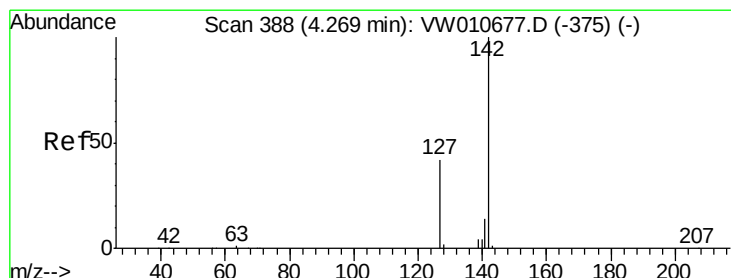
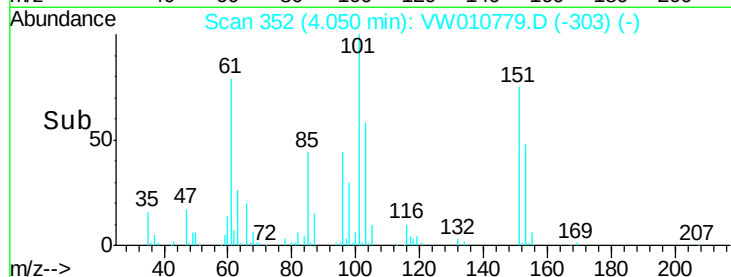
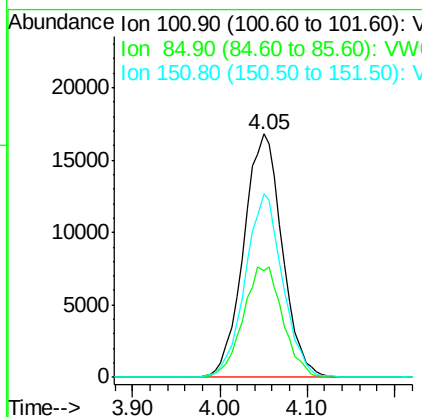
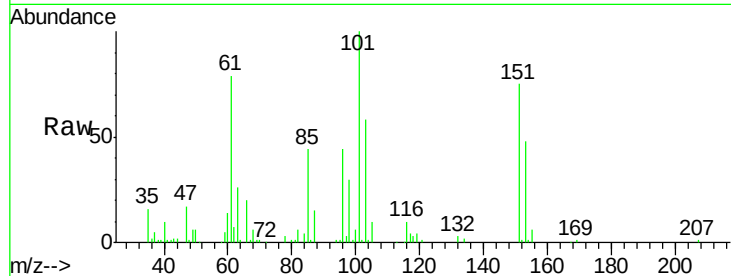
ClientSampleId :

VW0612SBS01

Tot Ion:	101	Resp:	51520
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.8	53.8
151	73.2	58.1	87.1

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#10

Methyl Iodide

Concen: 19.196 ug/l

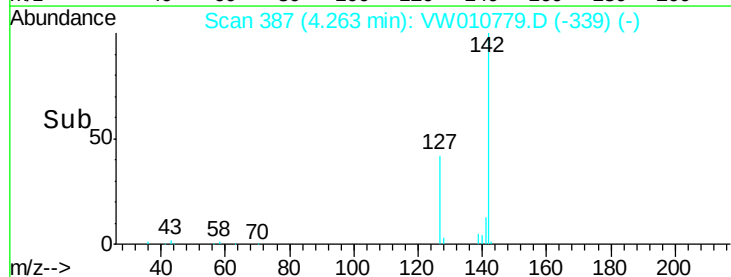
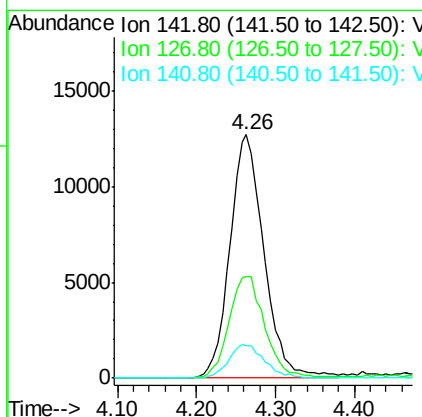
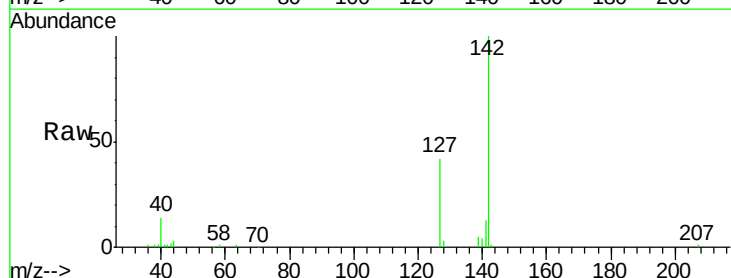
RT: 4.26 min Scan# 387

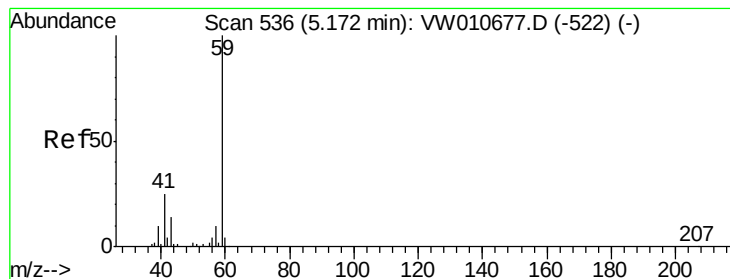
Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	142	Resp:	38231
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.6	51.8
141	14.3	11.6	17.4





#11

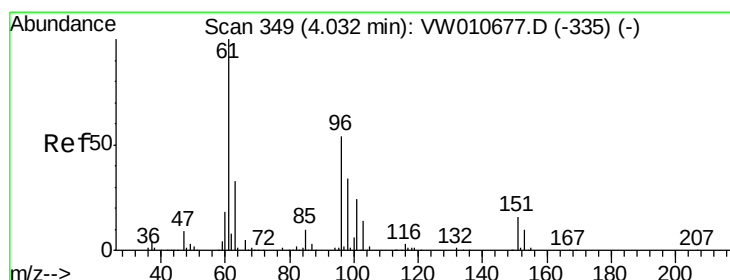
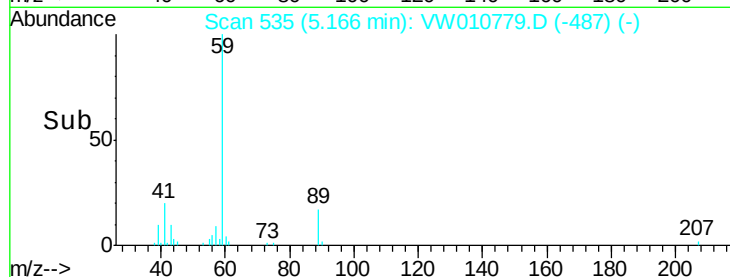
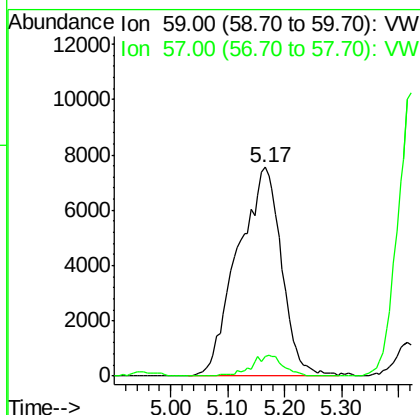
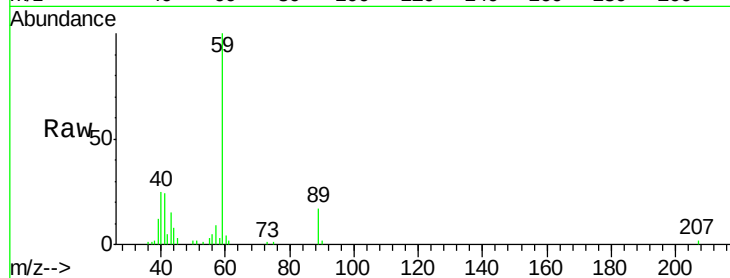
Tert butyl alcohol
 Concen: 180.675 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.6	12.8#

Manual Integrations
 APPROVED

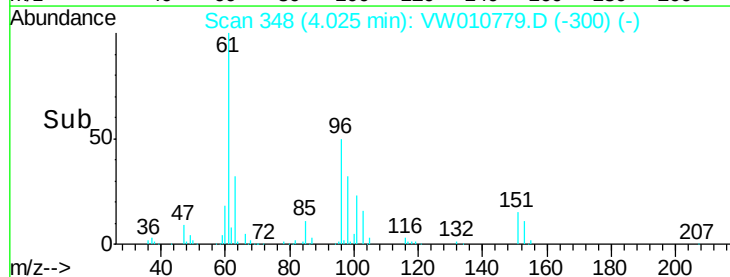
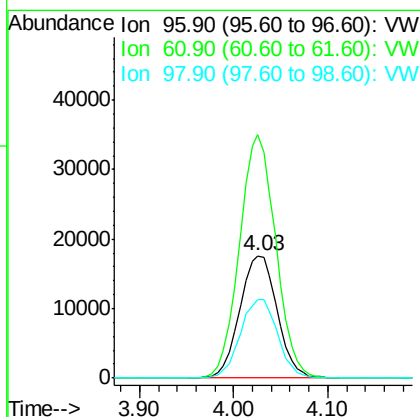
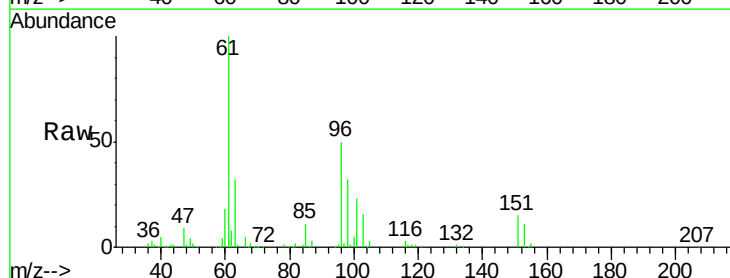
MMDadoda
 6/13/2019 11:32:15 AM

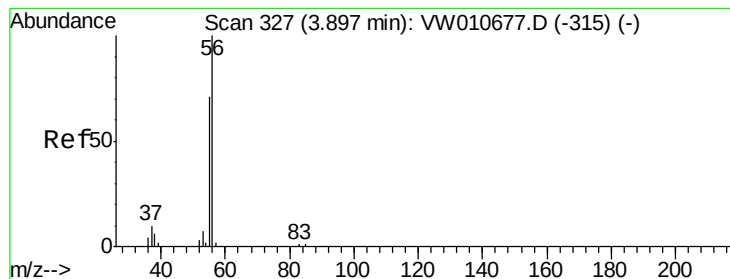


#12

1,1-Dichloroethene
 Concen: 21.614 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.7	149.1	223.7
98	63.9	51.1	76.7





#13

Acrolein

Concen: 72.174 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 56 Resp: 6583

Ion Ratio Lower Upper

56 100

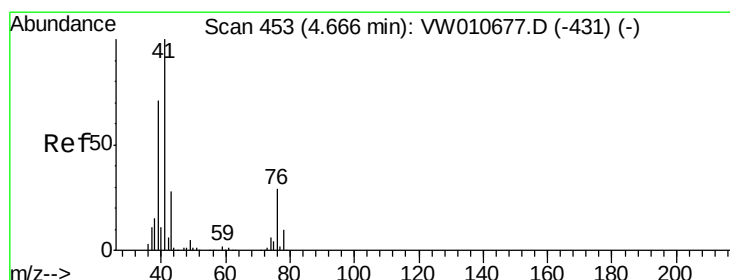
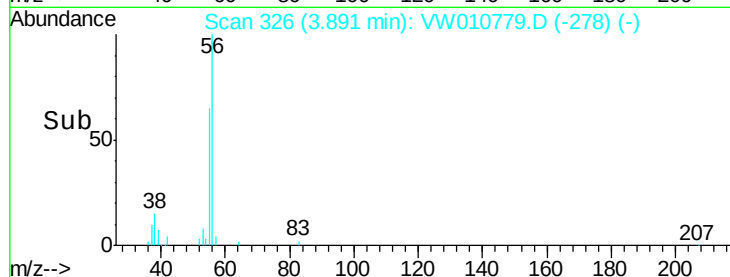
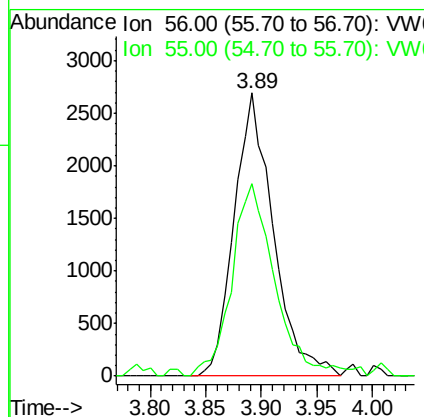
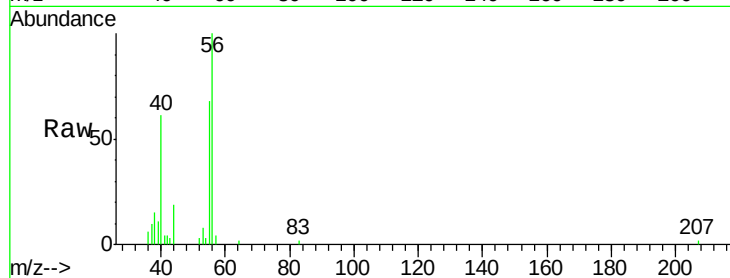
55 75.5 57.6 86.4

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#14

Allyl chloride

Concen: 22.388 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

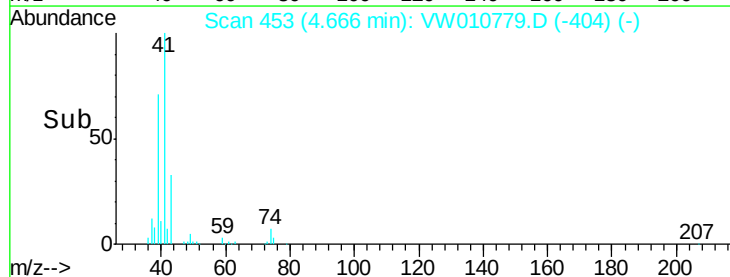
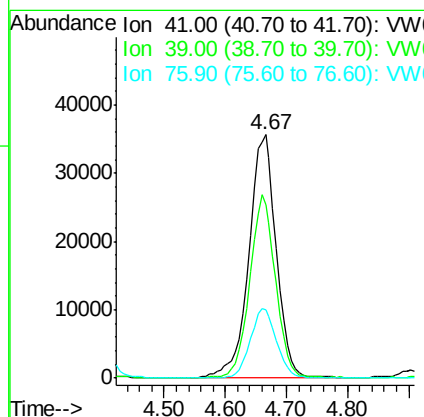
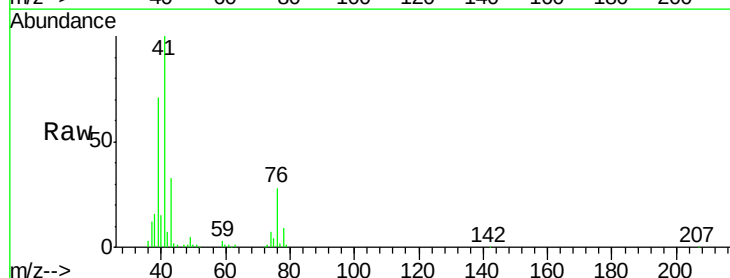
Tgt Ion: 41 Resp: 110968

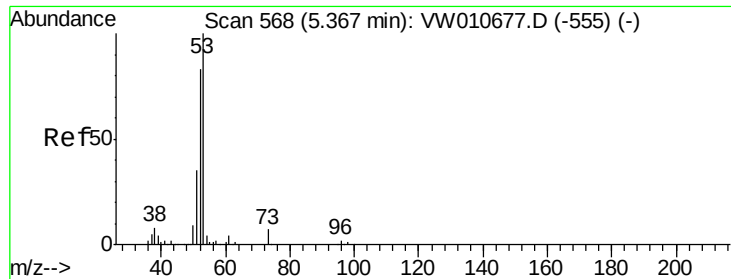
Ion Ratio Lower Upper

41 100

39 71.8 55.8 83.6

76 27.5 22.7 34.1





#15

Acrylonitrile

Concen: 111.031 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

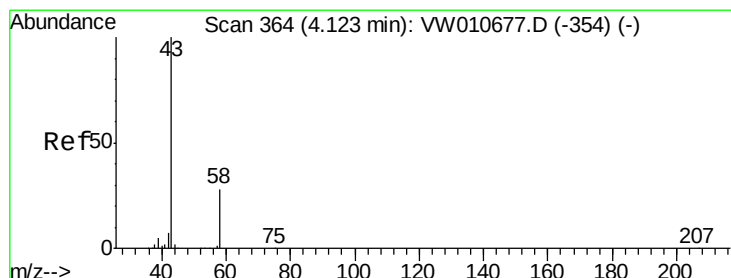
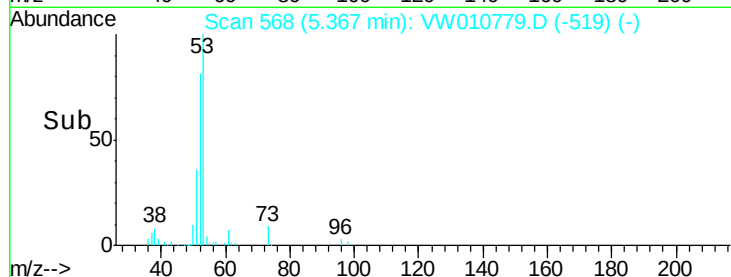
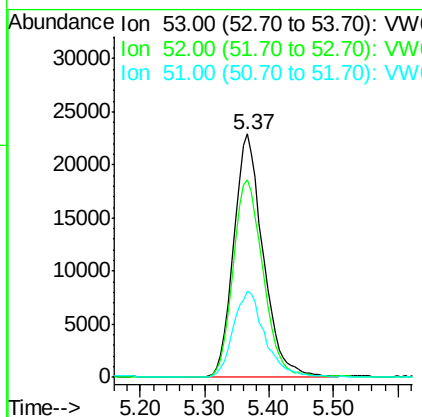
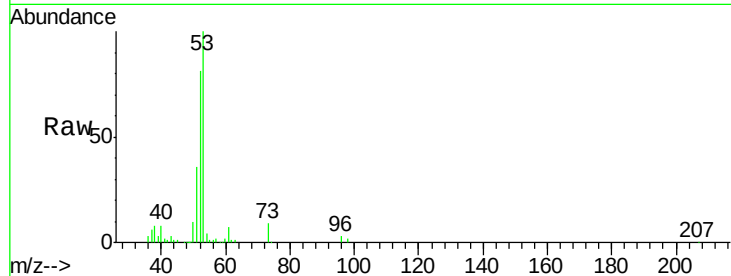
ClientSampleId :

VW0612SBSD01

Tot Ion:	53	Resp:	73065
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	38.0	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#16

Acetone

Concen: 109.540 ug/l

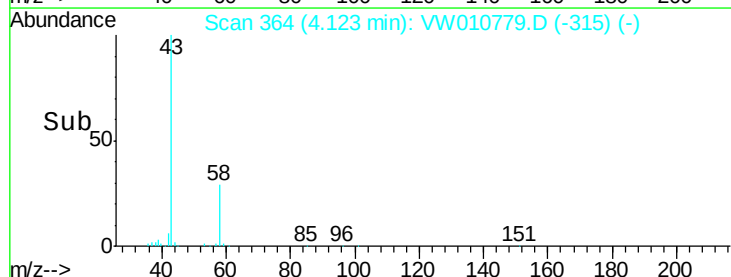
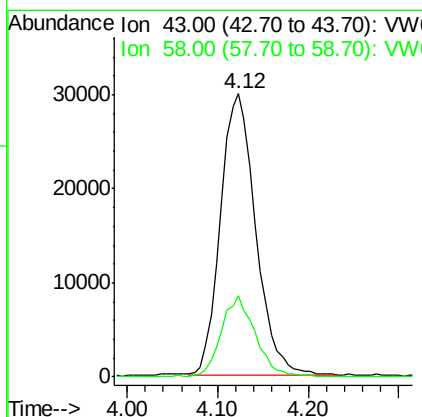
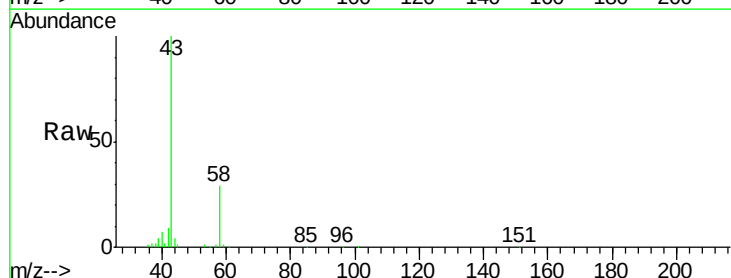
RT: 4.12 min Scan# 364

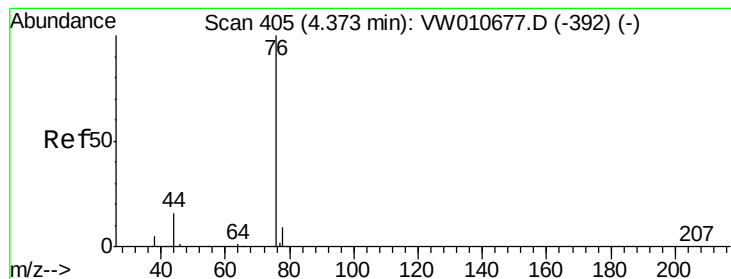
Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	43	Resp:	80417
Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.1	33.1





#17

Carbon Disulfide

Concen: 20.527 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 76 Resp: 146484

Ion Ratio Lower Upper

76 100

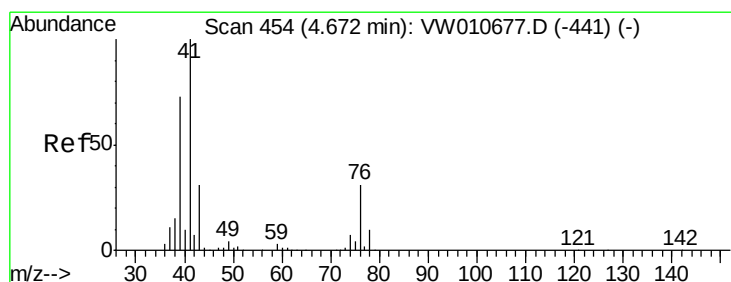
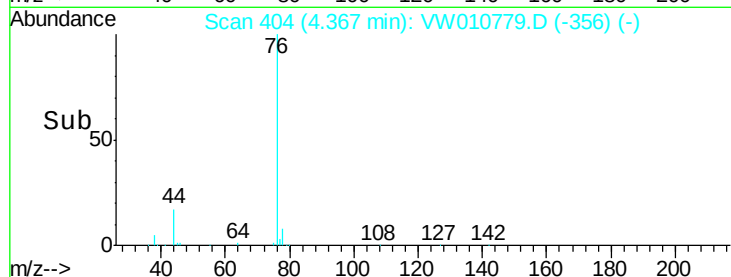
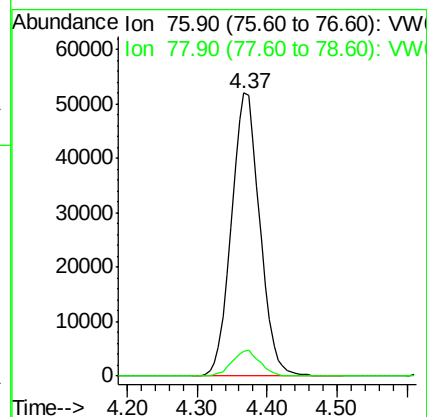
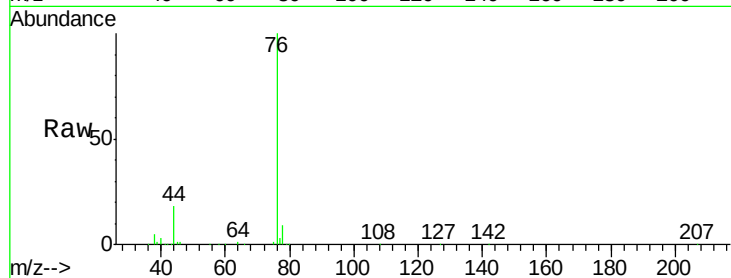
78 8.9 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#18

Methyl Acetate

Concen: 22.731 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010779.D

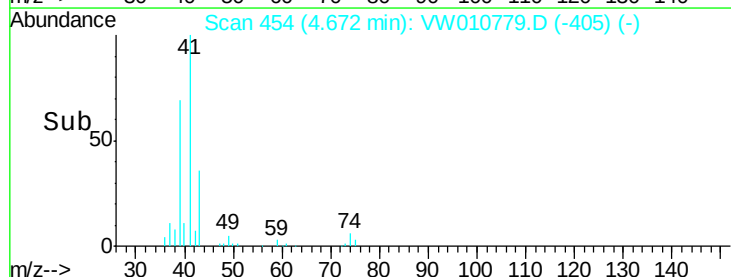
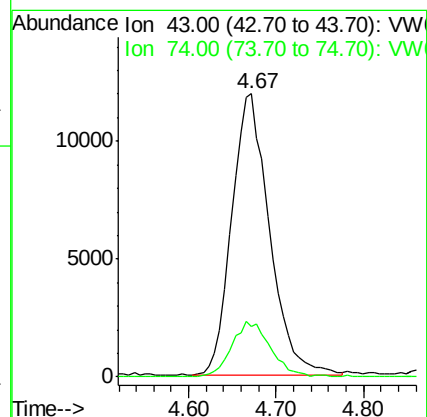
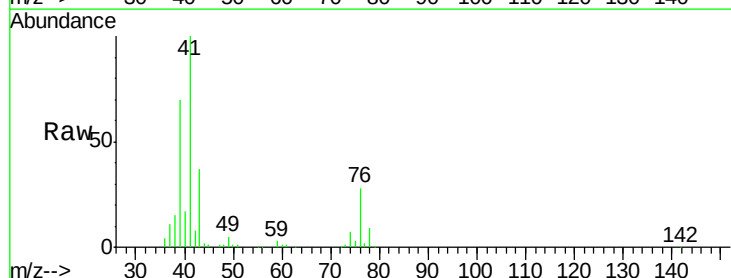
Acq: 12 Jun 2019 15:42

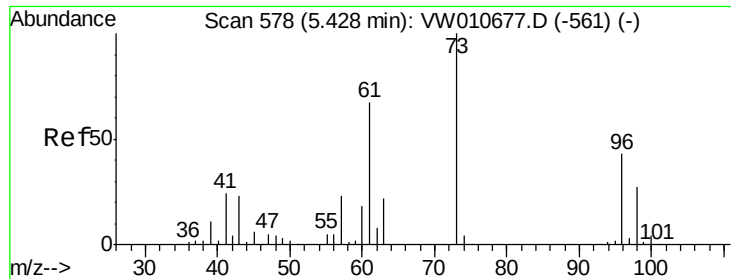
Tgt Ion: 43 Resp: 35922

Ion Ratio Lower Upper

43 100

74 19.9 16.7 25.1





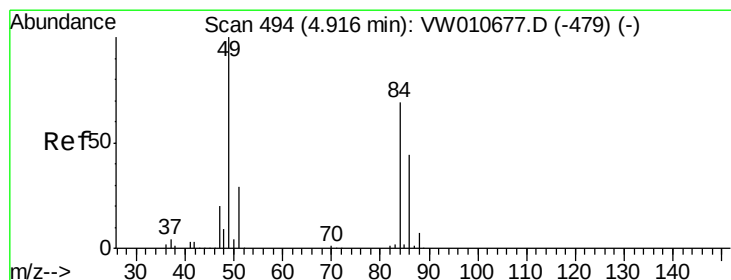
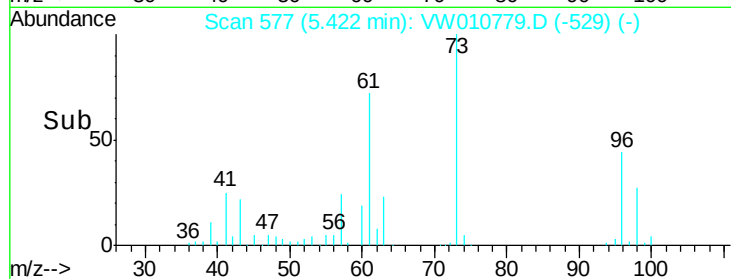
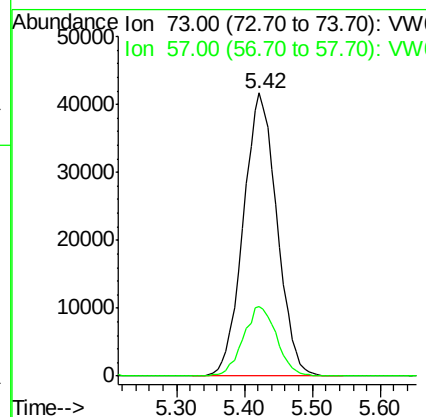
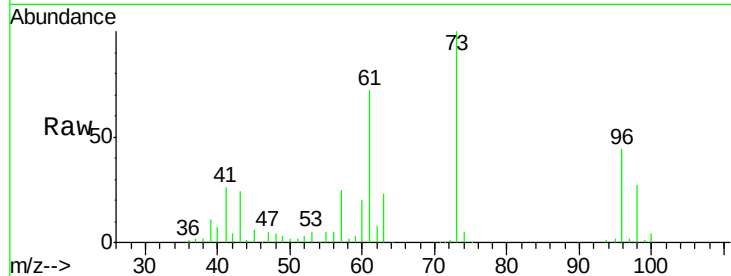
#19
Methyl tert-butyl Ether
Concen: 22.081 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	18.6	27.8

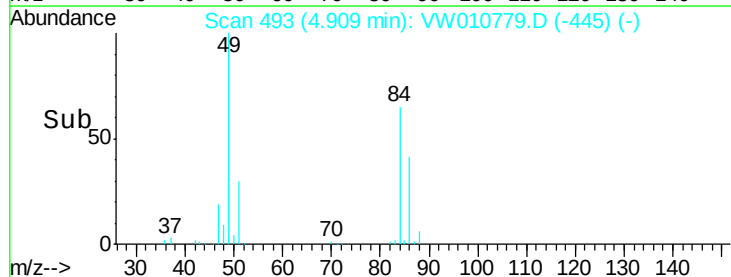
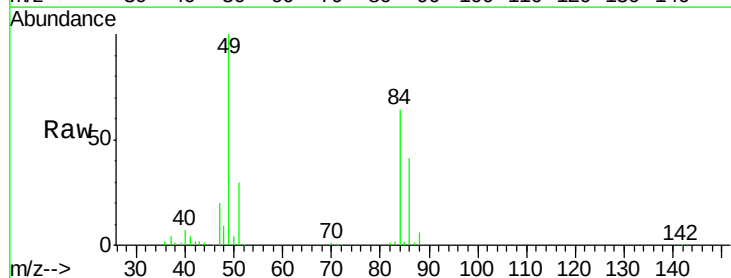
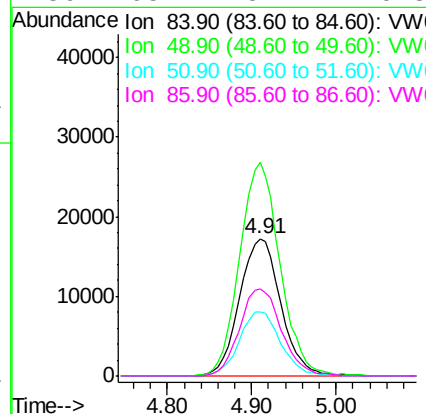
Manual Integrations
APPROVED

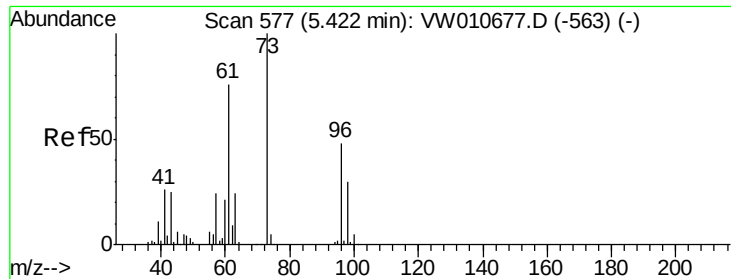
MMDadoda
6/13/2019 11:32:15 AM



#20
Methylene Chloride
Concen: 22.269 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.5	116.7	175.1
51	46.9	34.2	51.2
86	63.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 21.979 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

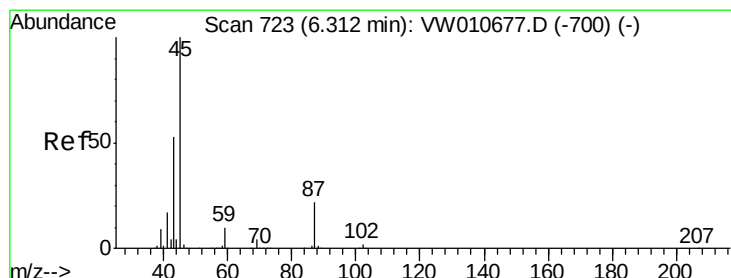
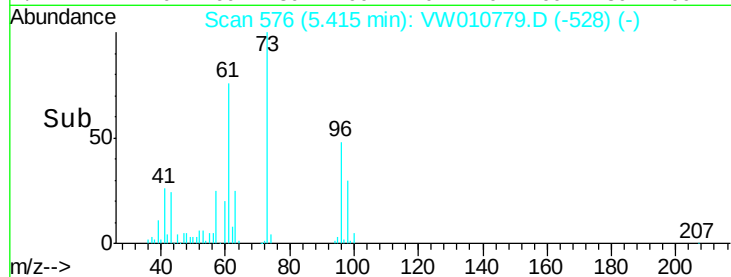
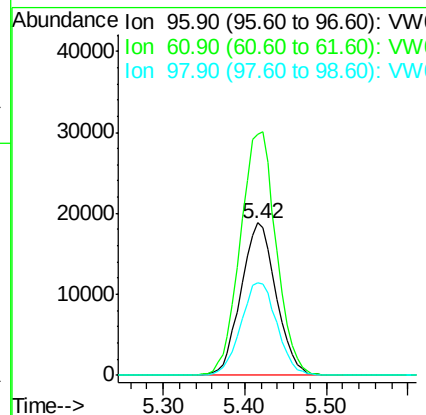
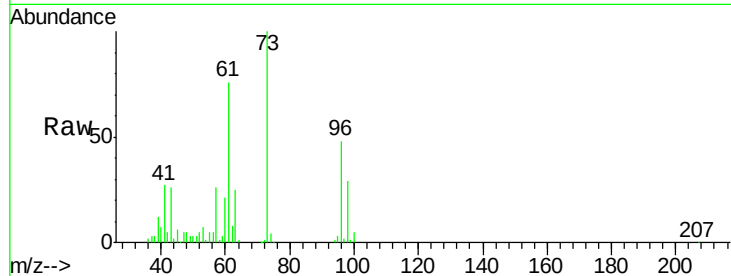
ClientSampleId :

VW0612SBSD01

Tot Ion:	96	Resp:	56088
Ion	Ratio	Lower	Upper
96	100		
61	158.8	126.0	189.0
98	61.1	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#22

Diisopropyl ether

Concen: 23.003 ug/l

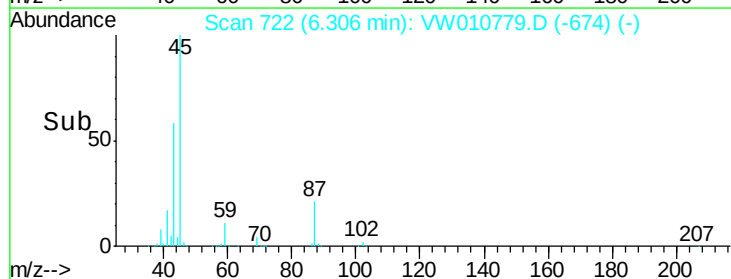
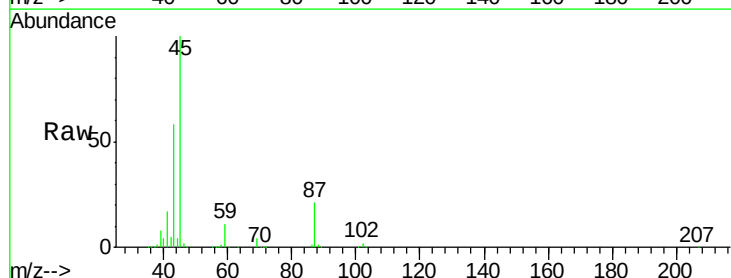
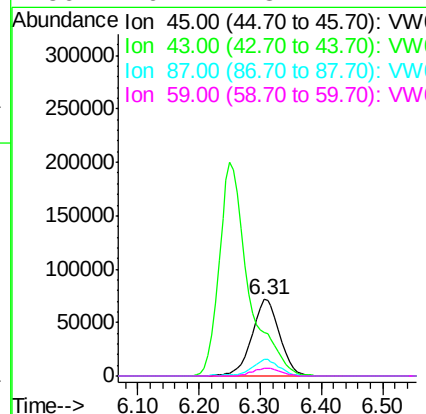
RT: 6.31 min Scan# 722

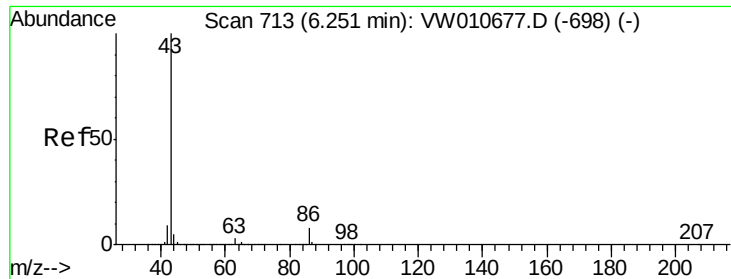
Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	45	Resp:	228264
Ion	Ratio	Lower	Upper
45	100		
43	57.6	42.5	63.7
87	21.5	17.4	26.2
59	10.7	8.1	12.1





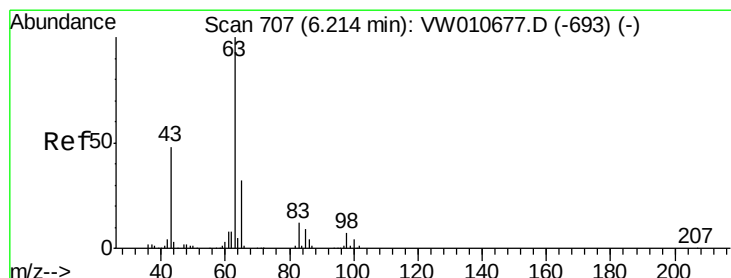
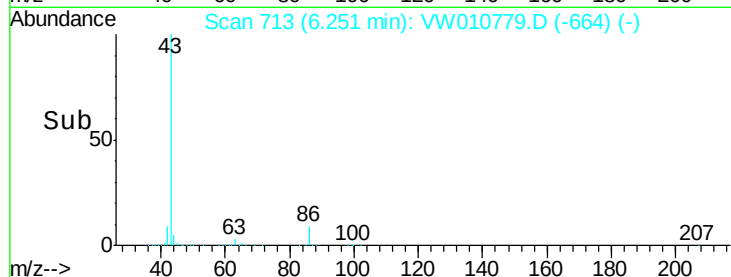
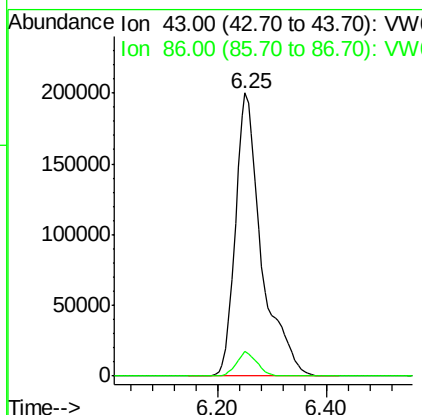
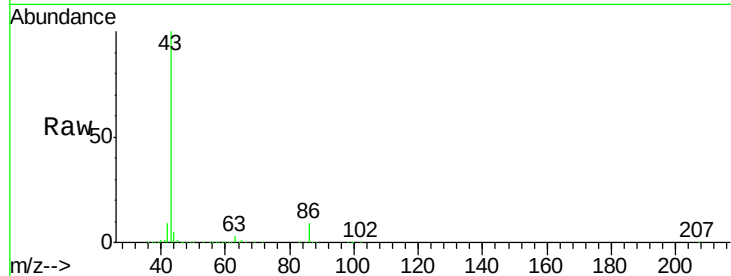
#23
 Vinyl Acetate
 Concen: 111.547 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.6	10.0

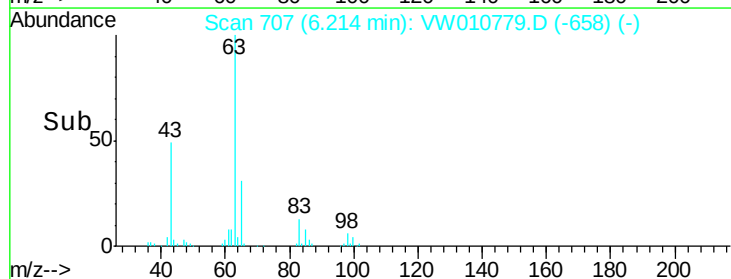
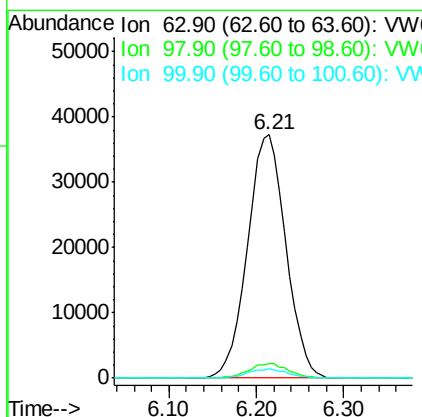
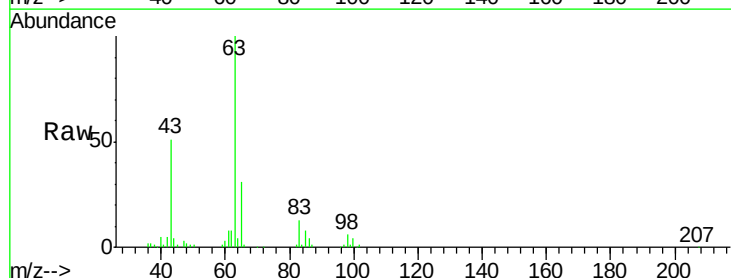
Manual Integrations
 APPROVED

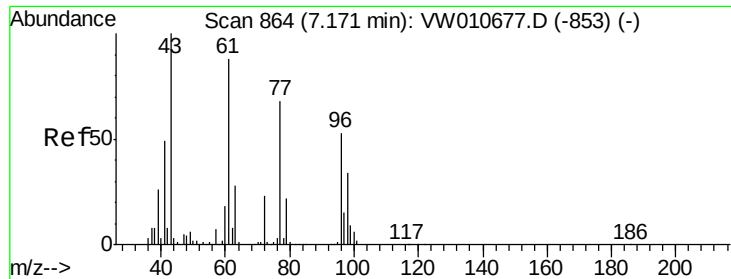
MMDadoda
 6/13/2019 11:32:15 AM



#24
 1,1-Dichloroethane
 Concen: 22.885 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.2
100	3.7	2.1	6.3





#25

2-Butanone

Concen: 114.061 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 43 Resp: 116111

Ion Ratio Lower Upper

43 100

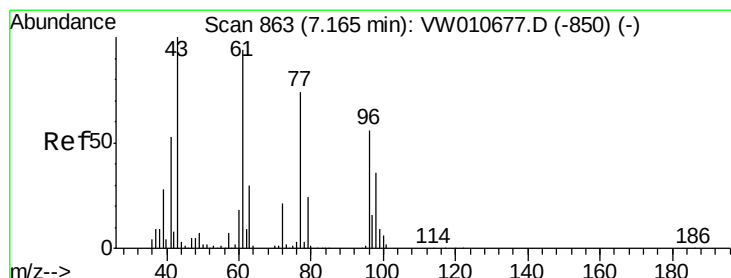
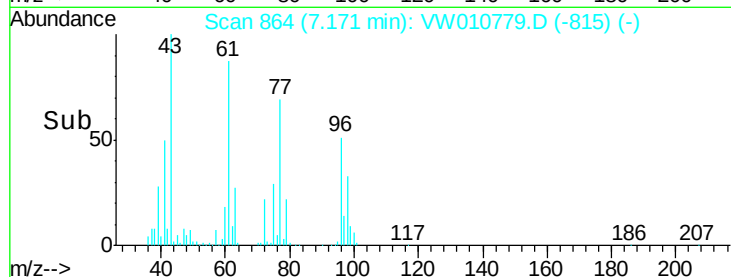
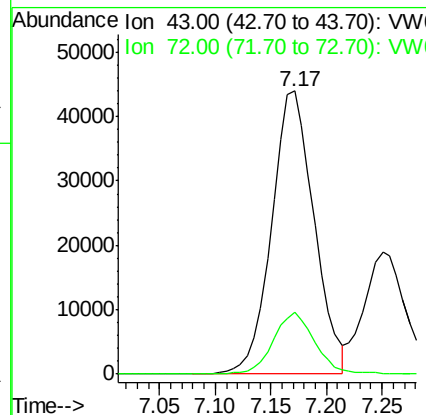
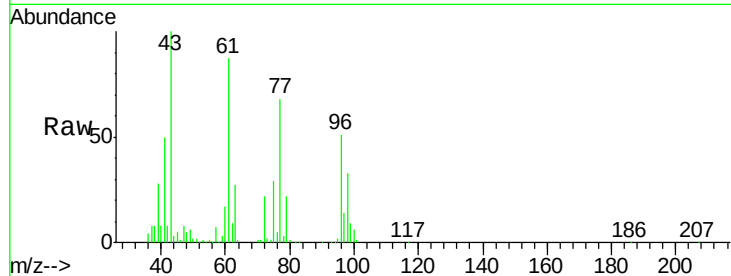
72 22.1 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#26

2,2-Dichloropropane

Concen: 24.320 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010779.D

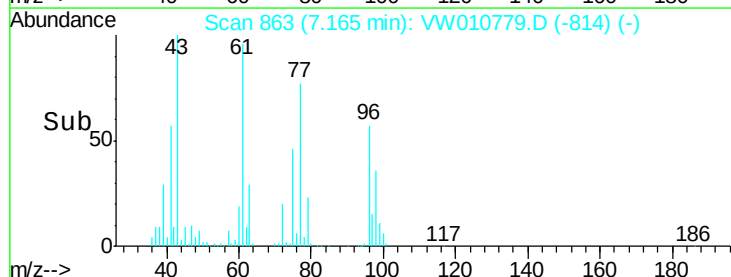
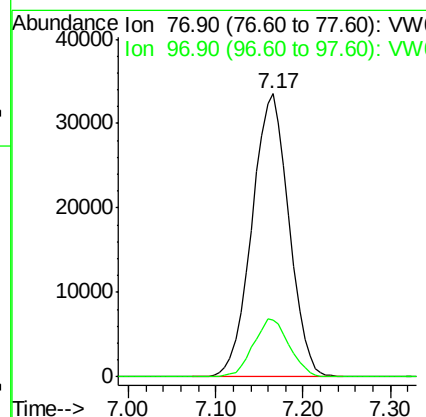
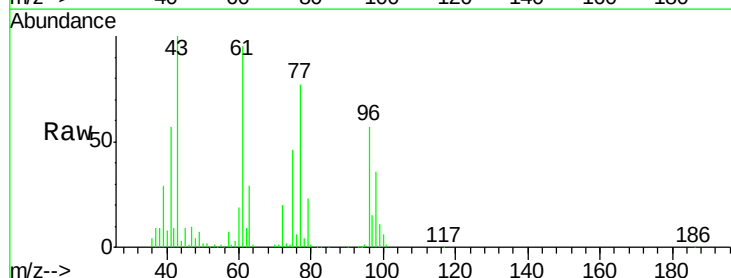
Acq: 12 Jun 2019 15:42

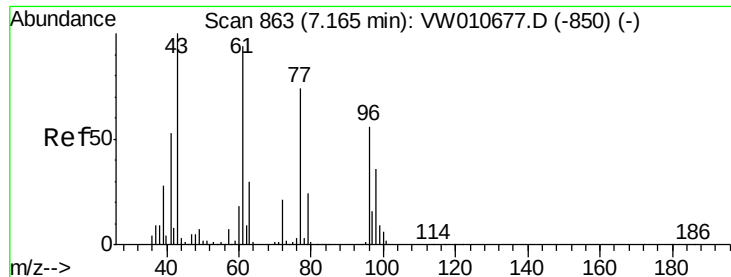
Tgt Ion: 77 Resp: 98415

Ion Ratio Lower Upper

77 100

97 19.8 10.5 31.6





#27

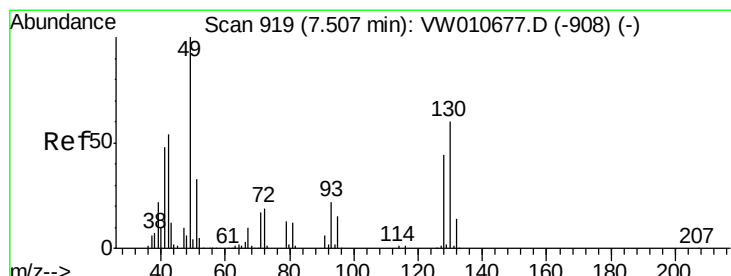
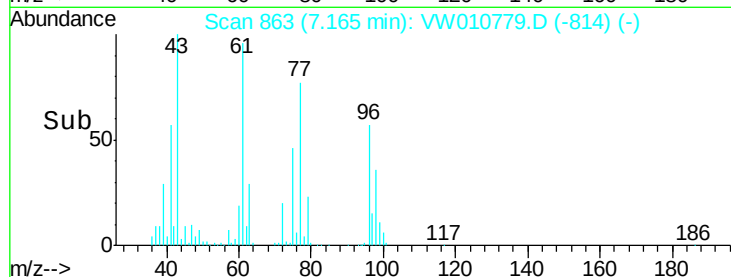
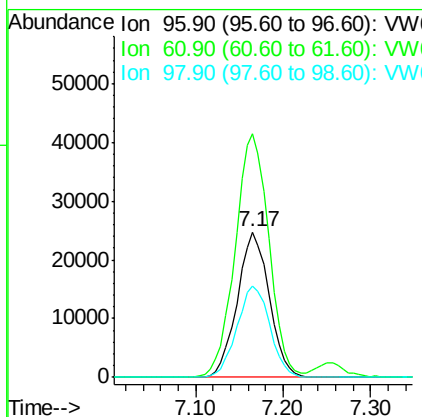
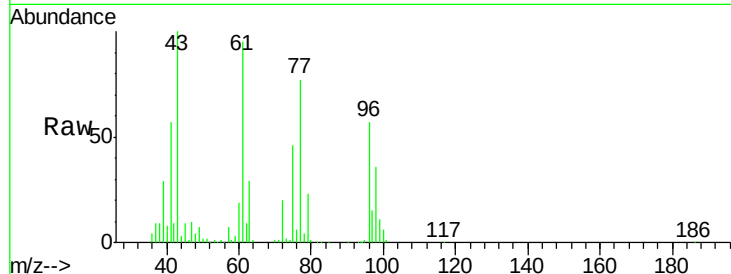
cis-1,2-Dichloroethene
Concen: 22.338 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.7	0.0	336.4
98	64.7	0.0	128.0

Manual Integrations
APPROVED

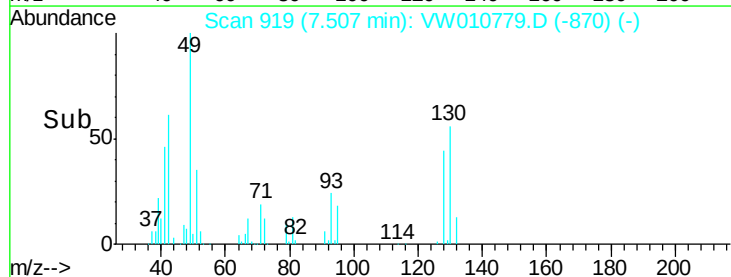
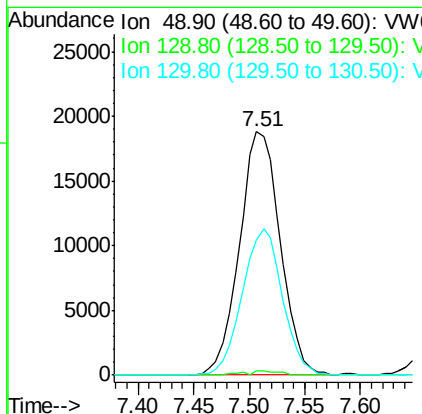
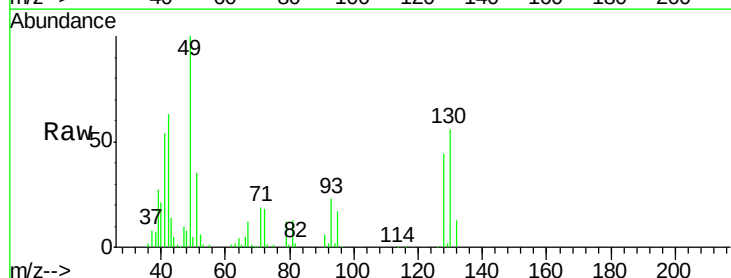
MMDadoda
6/13/2019 11:32:15 AM

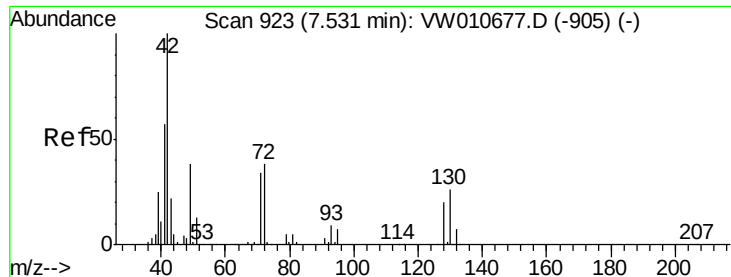


#28

Bromochloromethane
Concen: 21.601 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.2
130	59.1	48.3	72.5





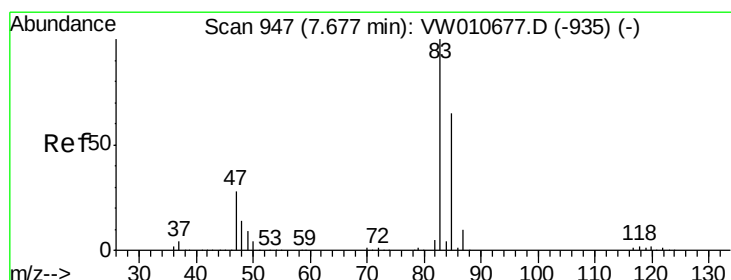
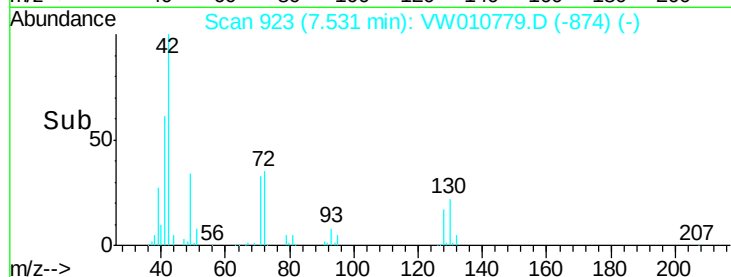
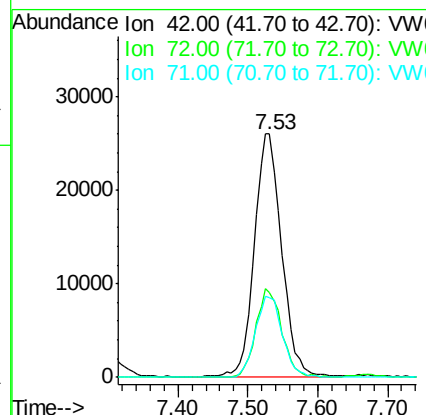
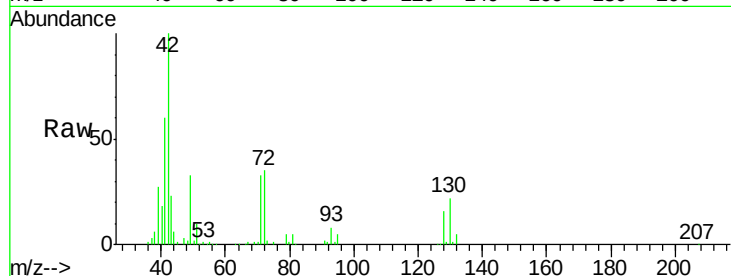
#29
Tetrahydrofuran
Concen: 110.812 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.7	43.1
71	32.7	26.6	39.8

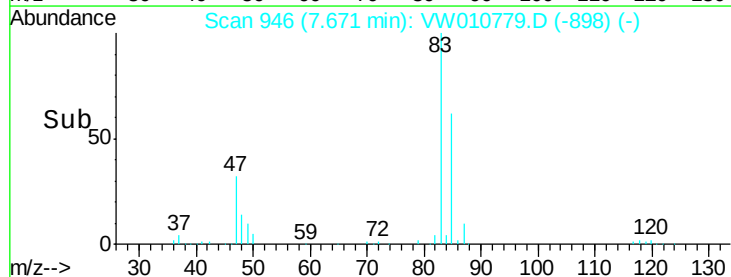
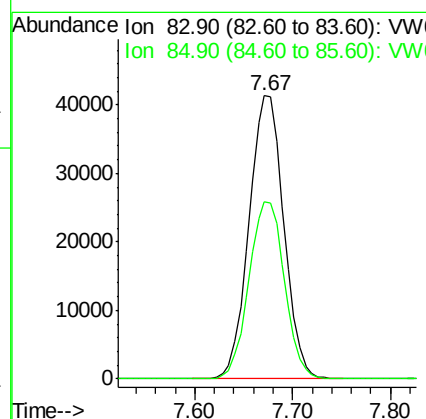
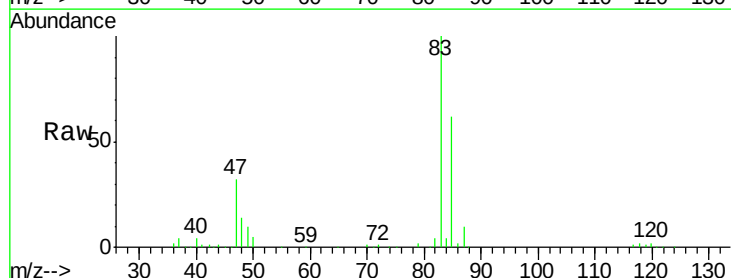
Manual Integrations
APPROVED

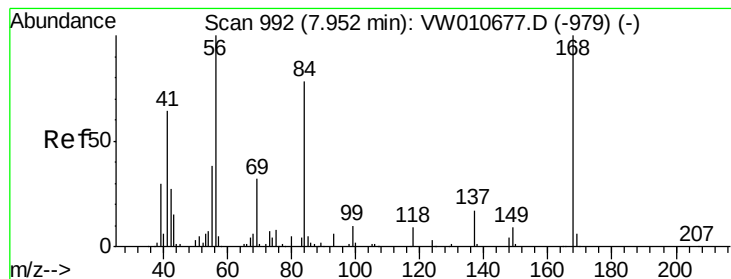
MMDadoda
6/13/2019 11:32:15 AM



#30
Chloroform
Concen: 22.492 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.8





#31

Cyclohexane

Concen: 21.688 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

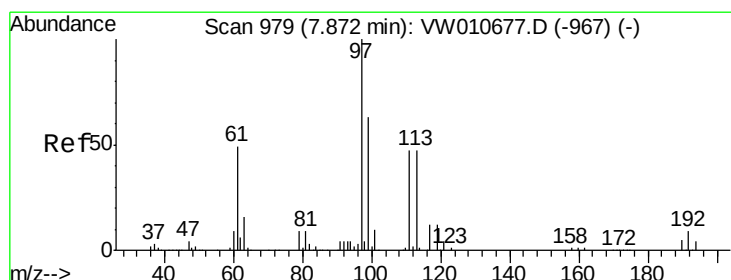
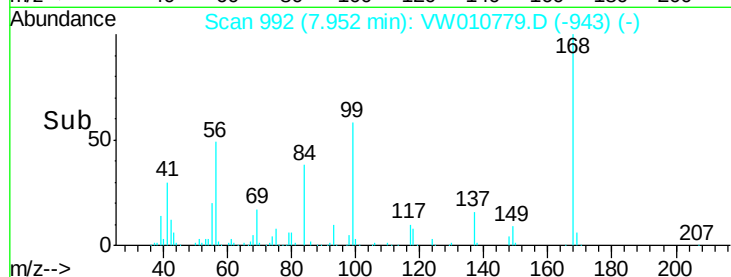
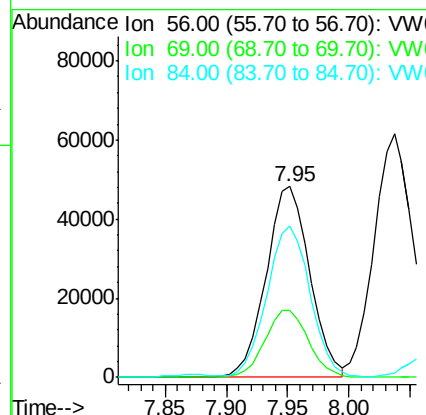
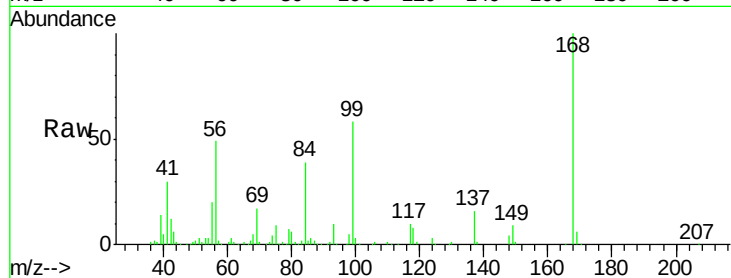
ClientSampleId :

VW0612SBSD01

Tot Ion:	56	Resp:	119890
Ion Ratio		Lower	Upper
56	100		
69	35.3	25.2	37.8
84	77.9	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#32

1,1,1-Trichloroethane

Concen: 22.594 ug/l

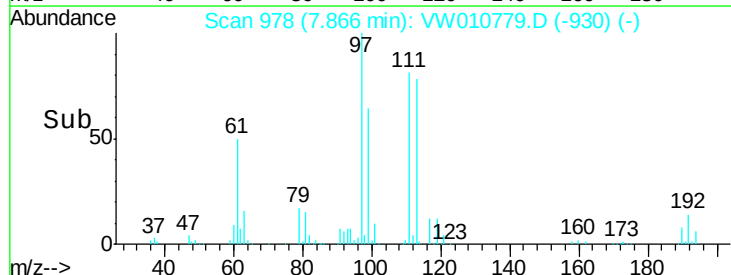
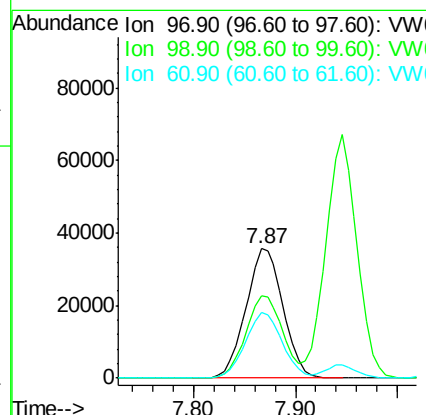
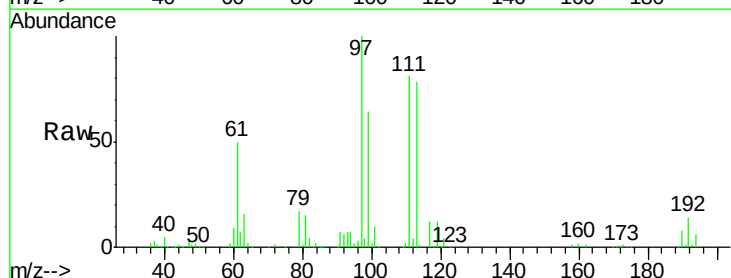
RT: 7.87 min Scan# 978

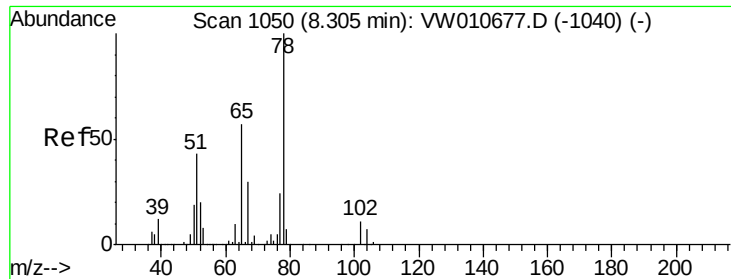
Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	97	Resp:	89775
Ion Ratio		Lower	Upper
97	100		
99	63.1	51.3	76.9
61	50.6	40.4	60.6





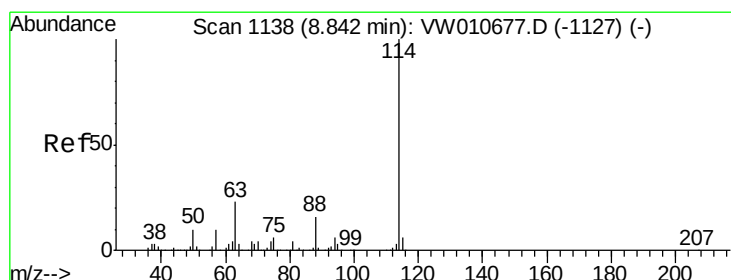
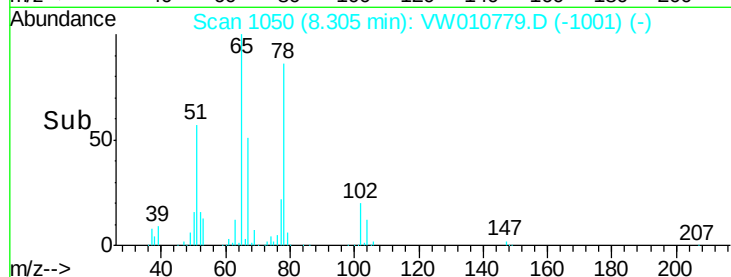
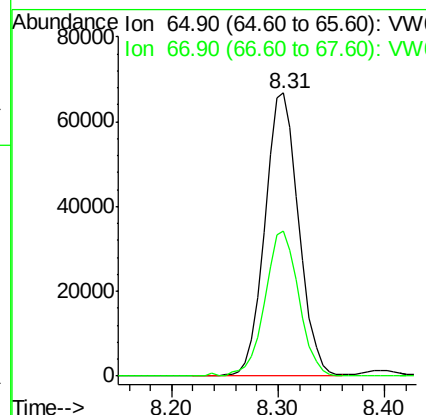
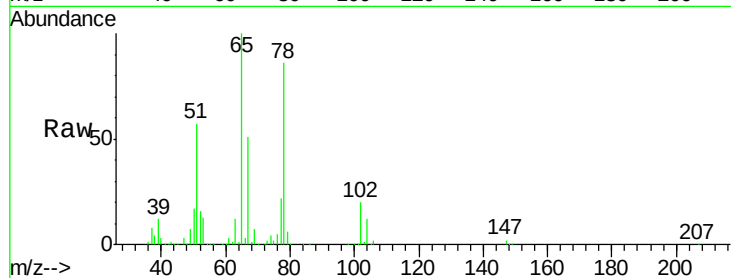
#33
 1,2-Dichloroethane-d4
 Concen: 53.913 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147713		
67	51.5	0.0	102.6	

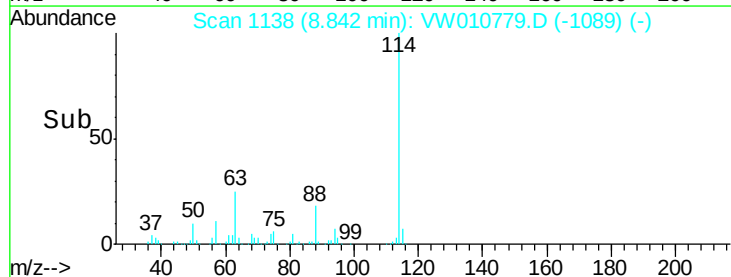
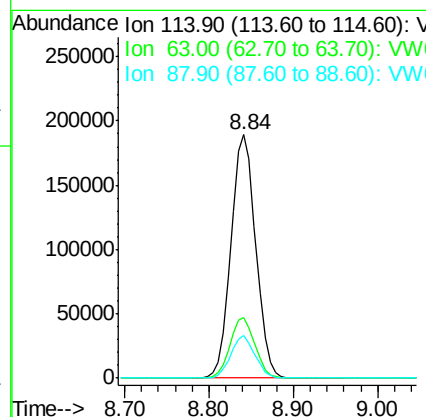
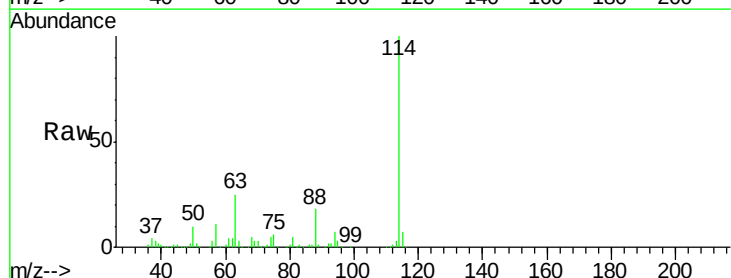
Manual Integrations
 APPROVED

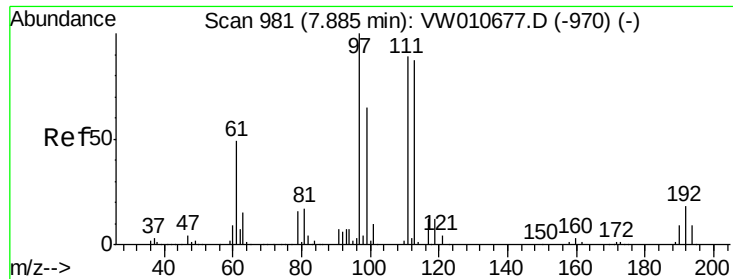
MMDadoda
 6/13/2019 11:32:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	378187		
63	25.1	0.0	46.4	
88	17.7	0.0	32.2	





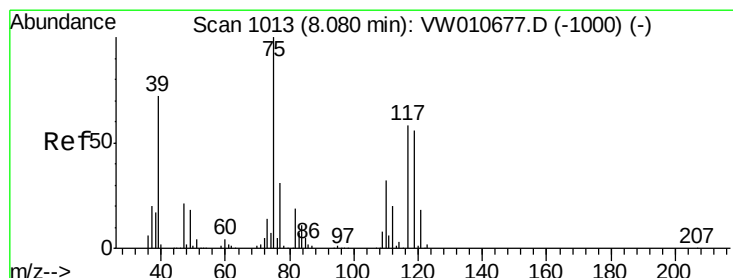
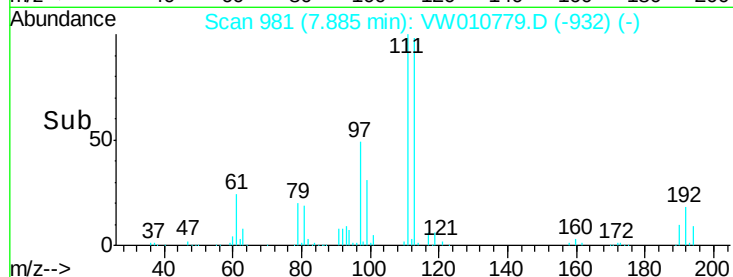
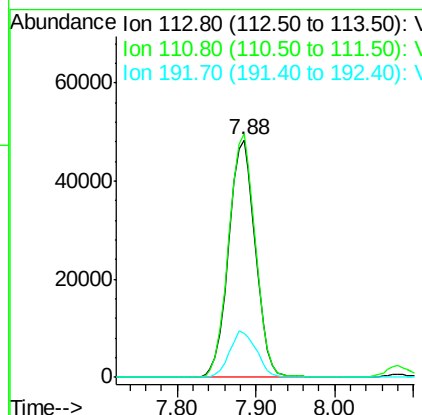
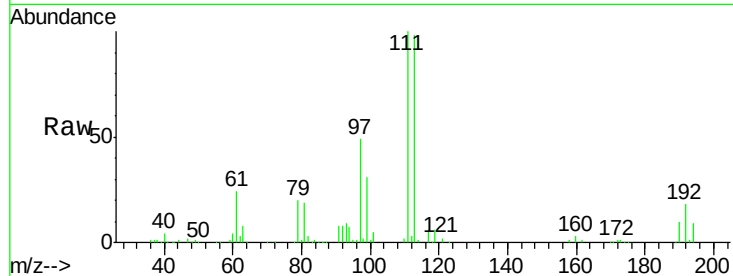
#35
Dibromofluoromethane
Concen: 55.389 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113698		
111	102.7	82.6	123.8	
192	19.6	16.4	24.6	

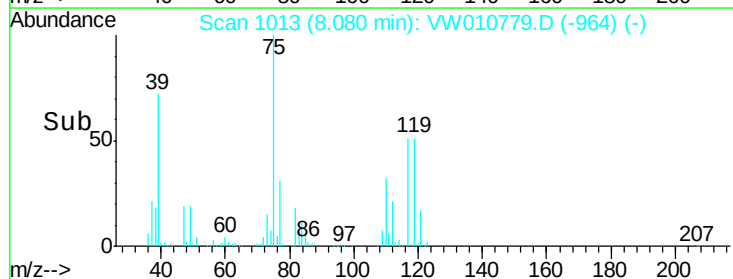
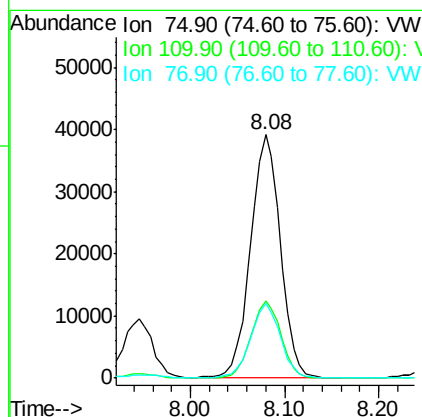
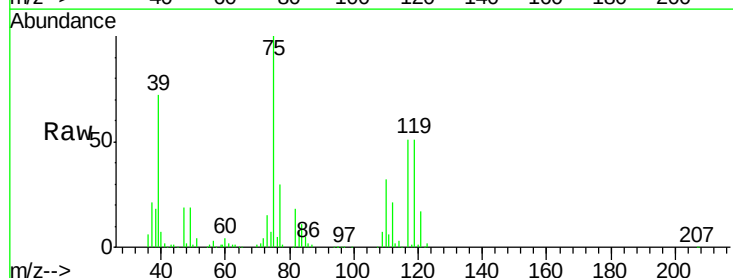
Manual Integrations
APPROVED

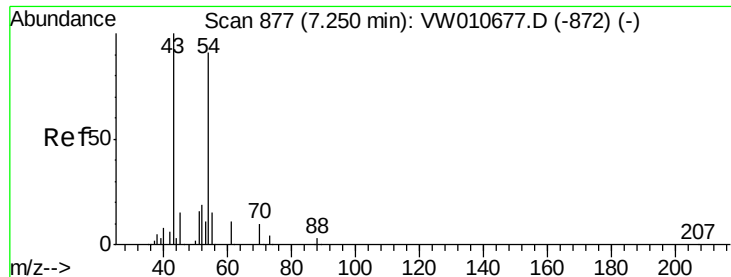
MMDadoda
6/13/2019 11:32:15 AM



#36
1,1-Dichloropropene
Concen: 22.326 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86428		
110	31.7	15.8	47.3	
77	30.6	24.7	37.1	





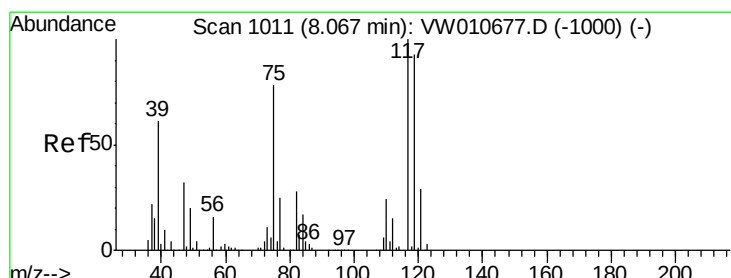
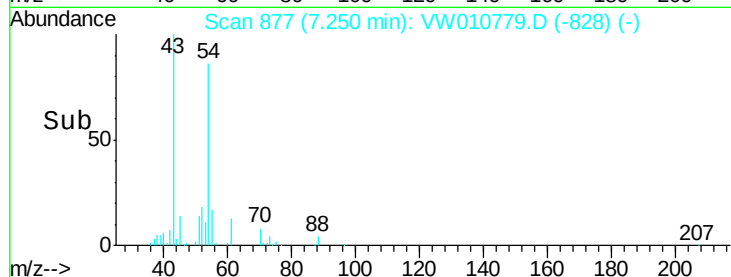
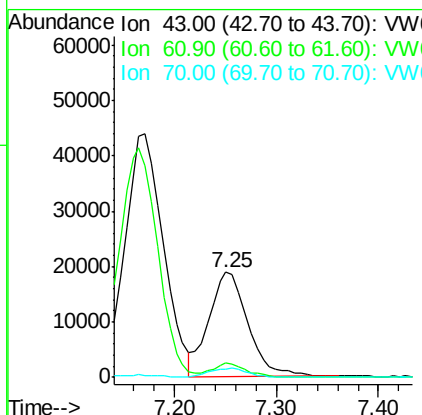
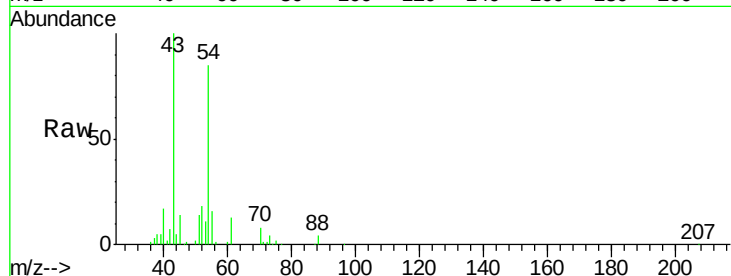
#37
Ethyl Acetate
Concen: 23.344 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VW0612SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.7	14.5
70	8.4	7.2	10.8

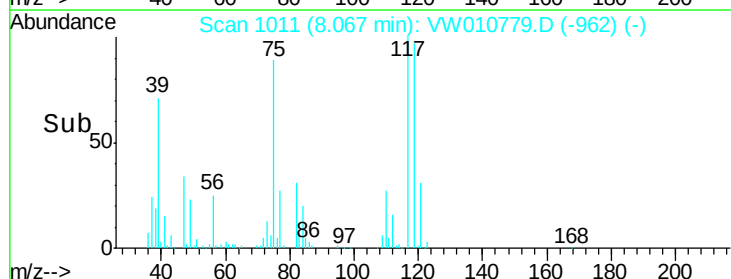
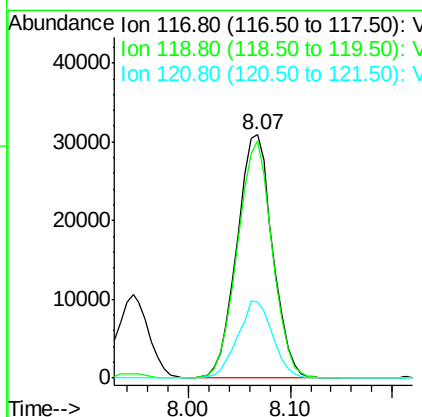
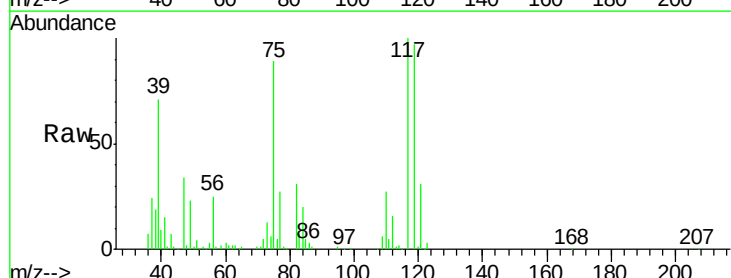
Manual Integrations
APPROVED

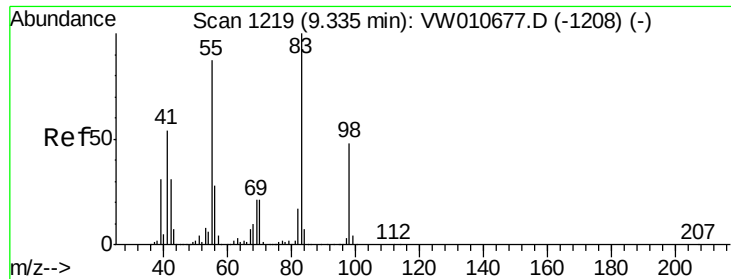
MMDadoda
6/13/2019 11:32:15 AM



#38
Carbon Tetrachloride
Concen: 22.400 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.2	111.4
121	31.2	22.9	34.3





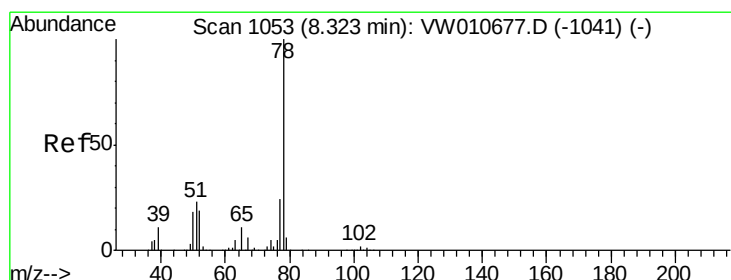
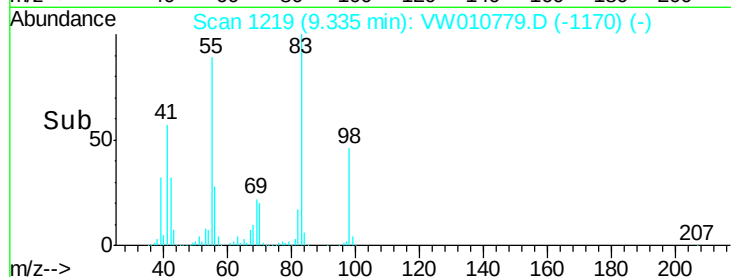
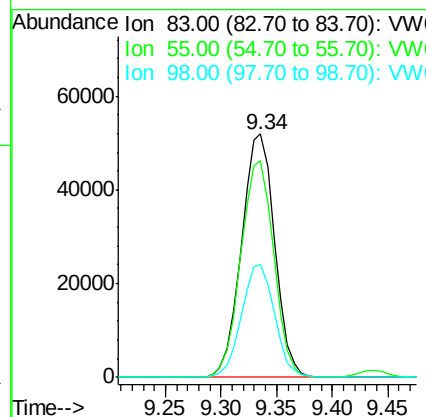
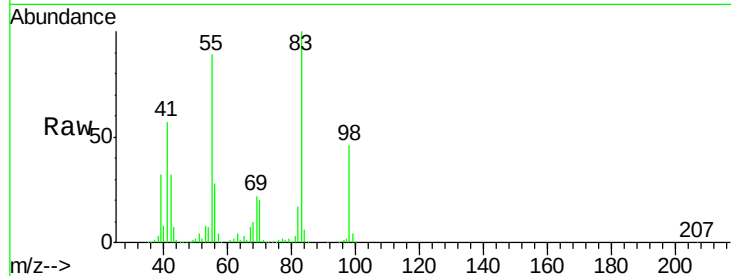
#39
Methylvlcyclohexane
Concen: 21.773 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VW0612SBSD01

Tot Ion	83	Resp	107146
Ion Ratio	Lower	Upper	
83	100		
55	89.0	70.0	105.0
98	46.4	38.1	57.1

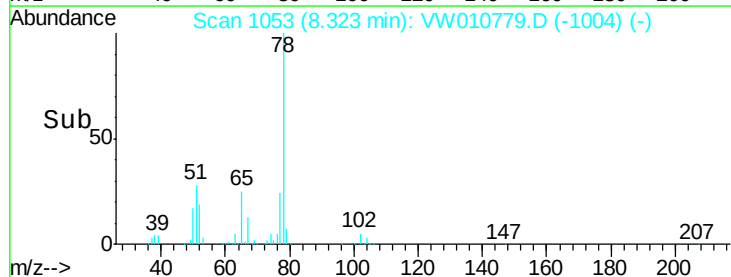
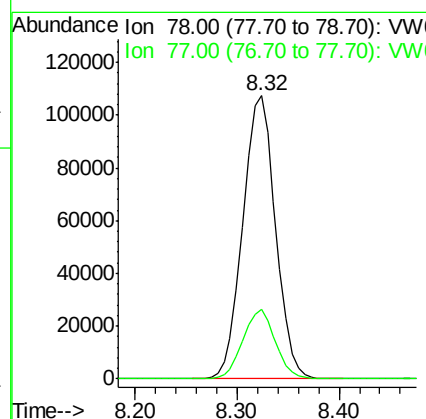
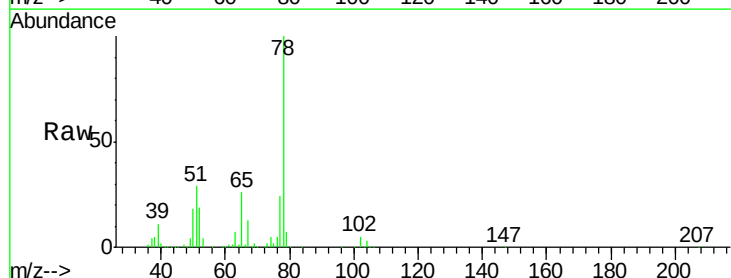
Manual Integrations
APPROVED

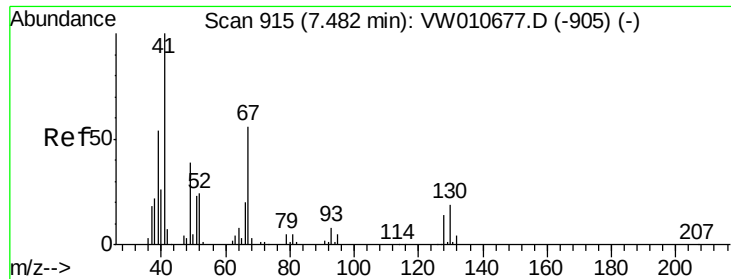
MMDadoda
6/13/2019 11:32:15 AM



#40
Benzene
Concen: 22.587 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	78	Resp	238535
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.1	28.7





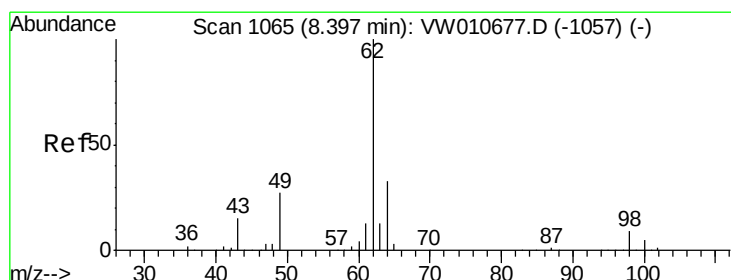
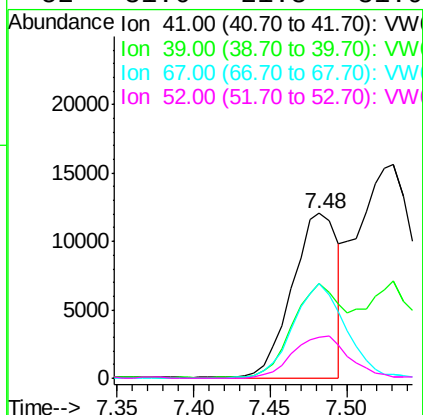
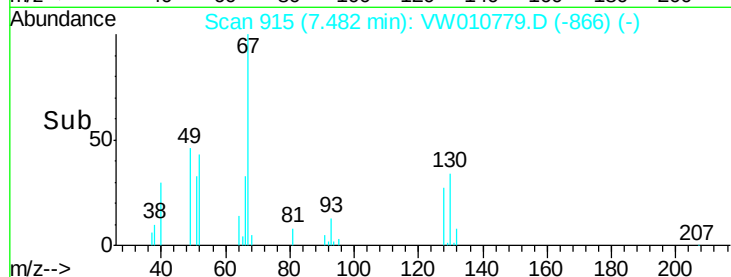
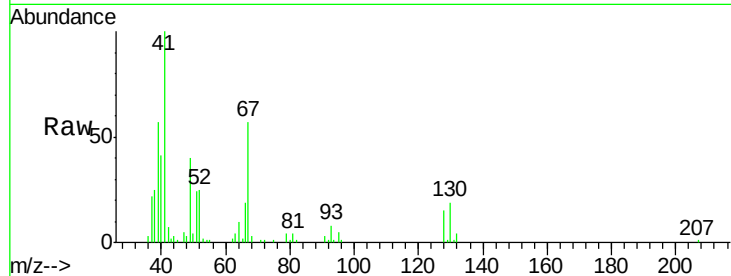
#41
Methacrylonitrile
Concen: 19.635 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	41	Resp	25037
Ion	Ratio	Lower	Upper
41	100		
39	62.7	47.3	70.9
67	66.5	47.2	70.8
52	31.6	21.3	31.9

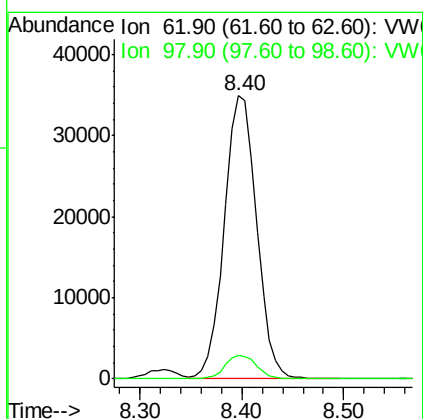
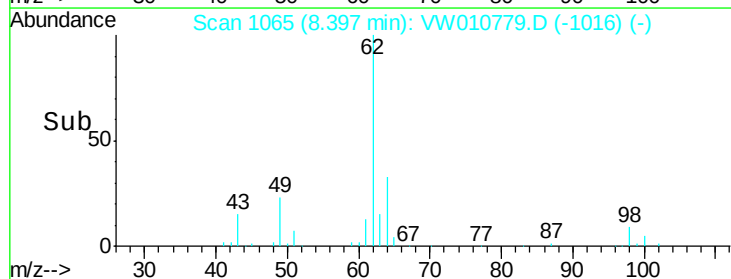
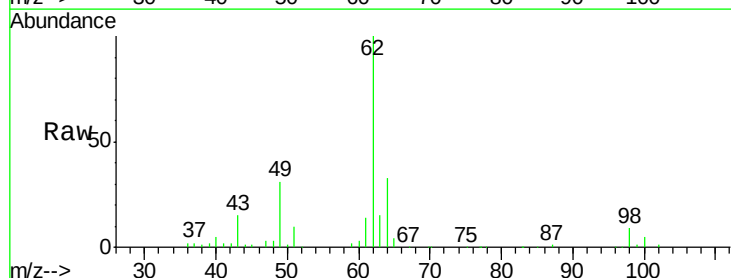
Manual Integrations
APPROVED

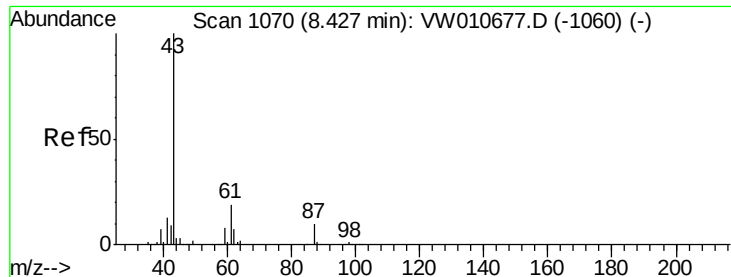
MMDadoda
6/13/2019 11:32:15 AM



#42
1,2-Dichloroethane
Concen: 22.891 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	62	Resp	76726
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 22.168 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

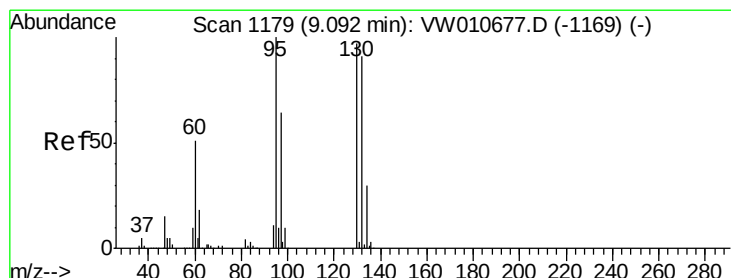
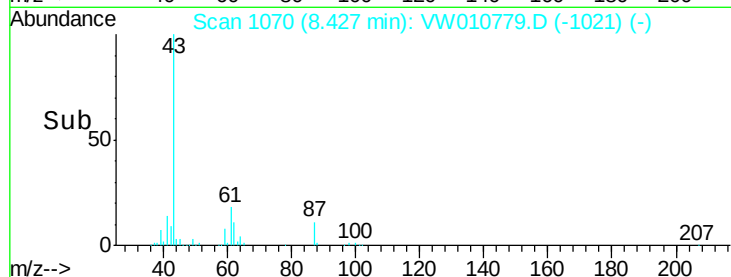
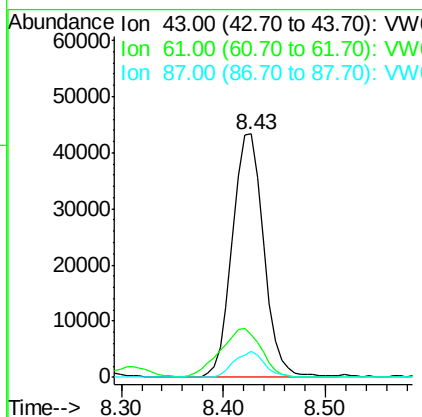
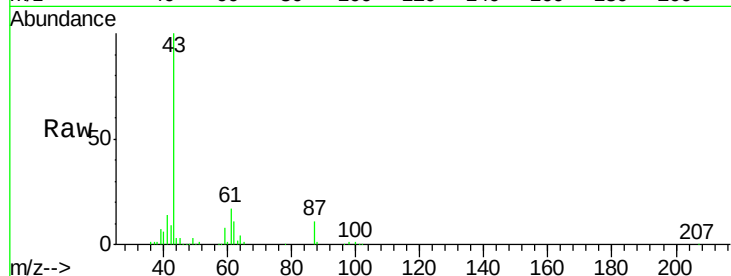
ClientSampleId :

VW0612SBSD01

Tot Ion:	43	Resp:	91871
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.2	31.8
87	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#44

Trichloroethene

Concen: 22.281 ug/l

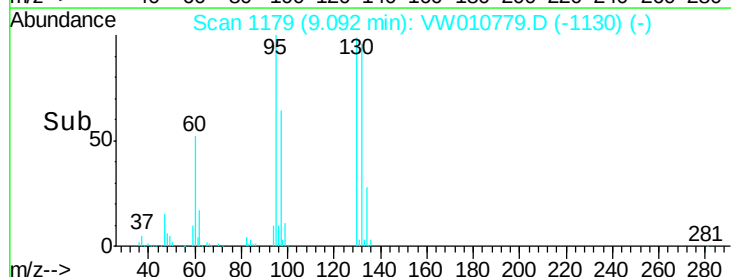
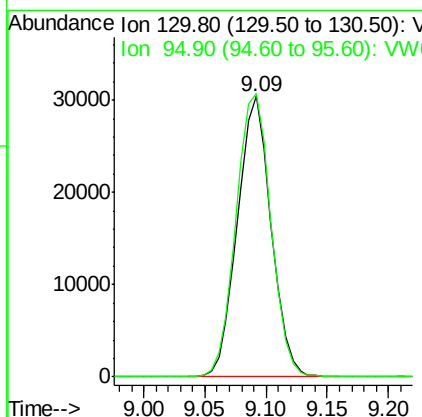
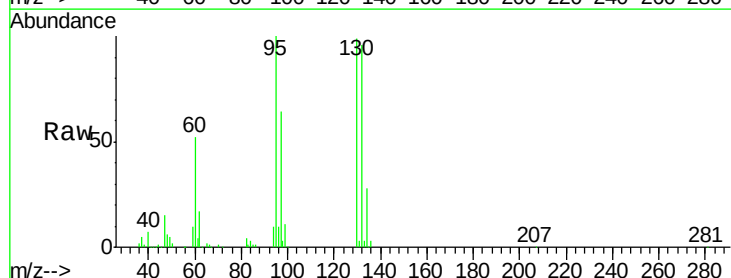
RT: 9.09 min Scan# 1179

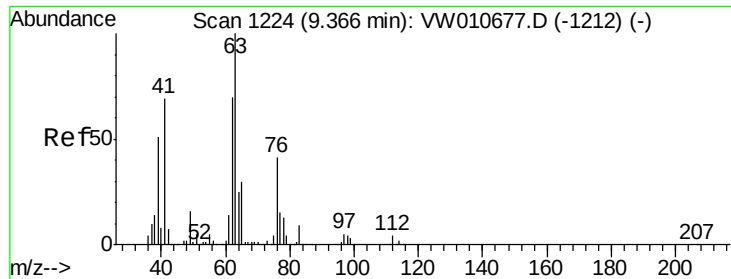
Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	130	Resp:	58044
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	207.0





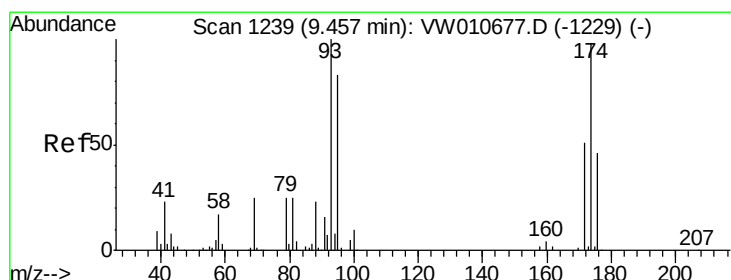
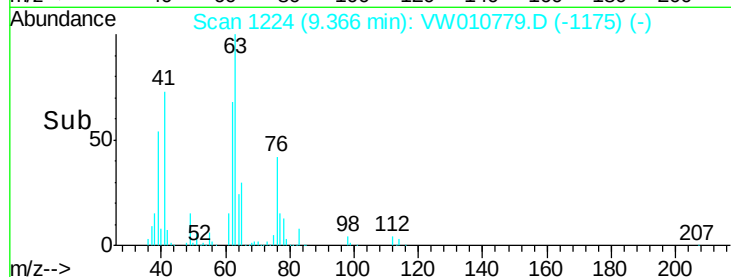
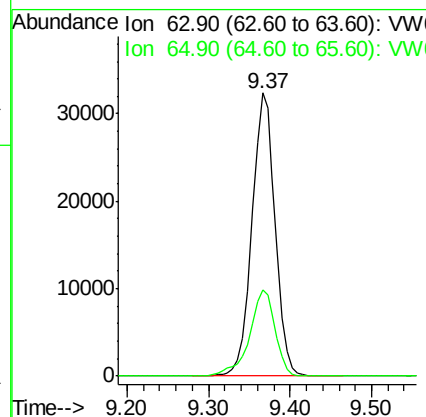
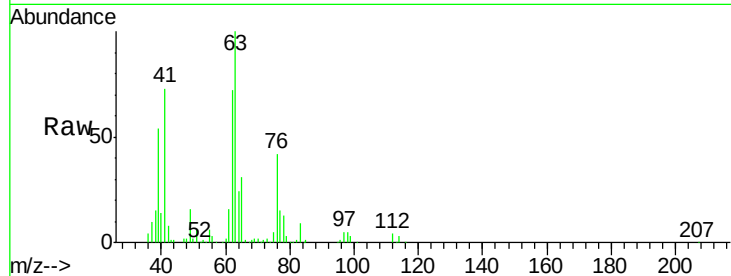
#45
 1,2-Dichloropropane
 Concen: 22.999 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampled :
 VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.8	35.6

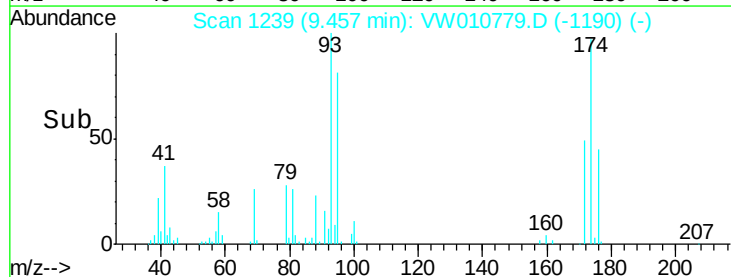
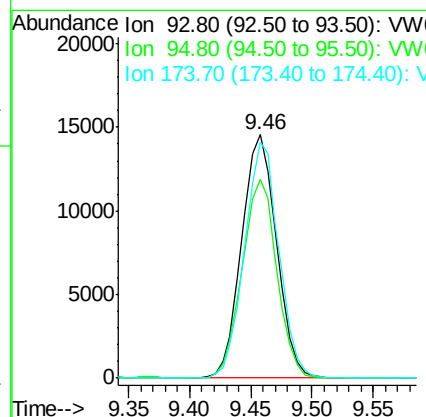
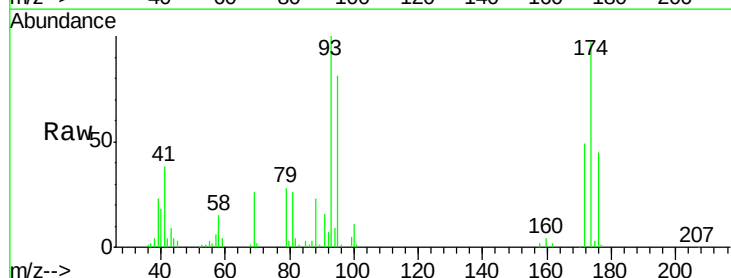
Manual Integrations
 APPROVED

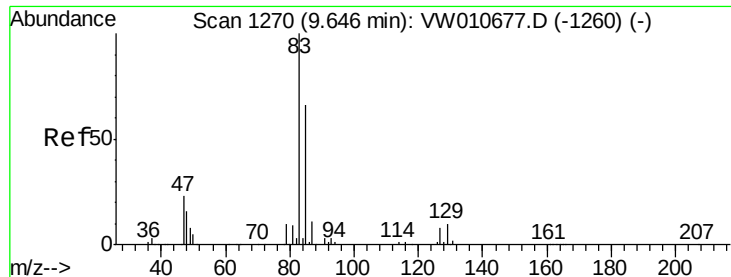
MMDadoda
 6/13/2019 11:32:15 AM



#46
 Dibromomethane
 Concen: 22.178 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	95.5	77.4	116.0





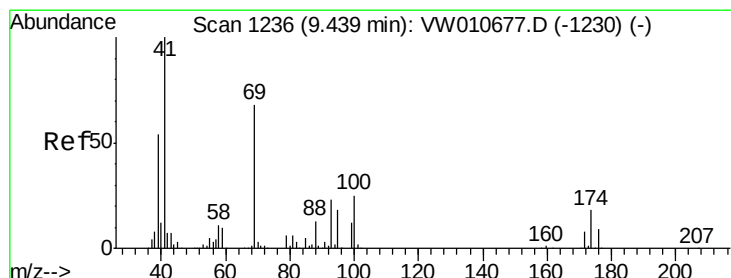
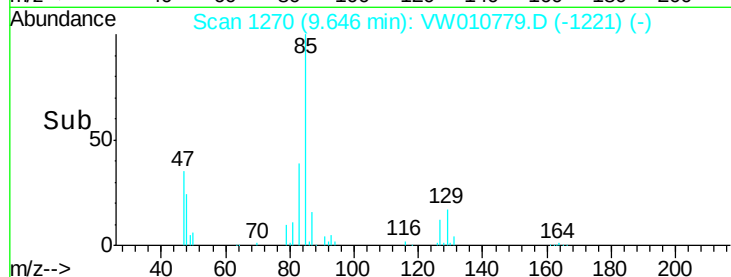
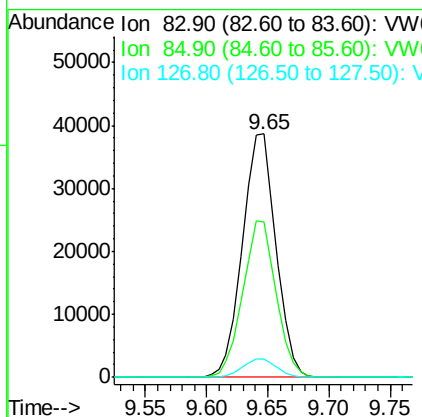
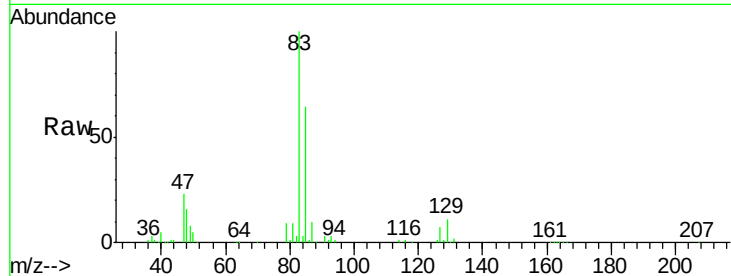
#47
Bromodichloromethane
Concen: 21.961 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	73918		
85	63.7	53.0	79.4	
127	7.5	6.4	9.6	

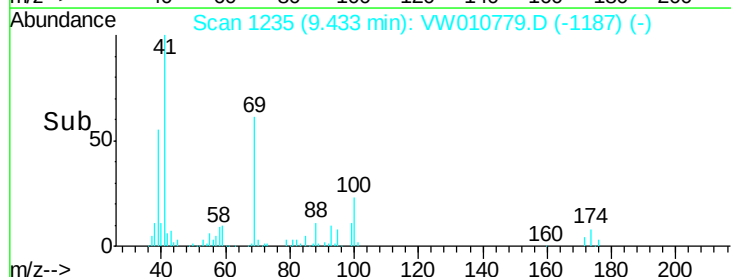
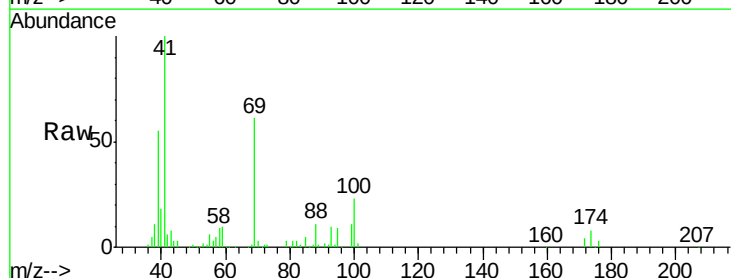
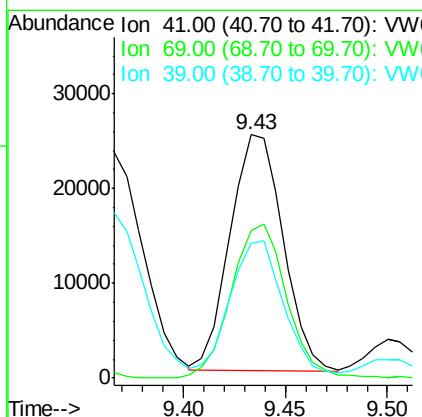
Manual Integrations
APPROVED

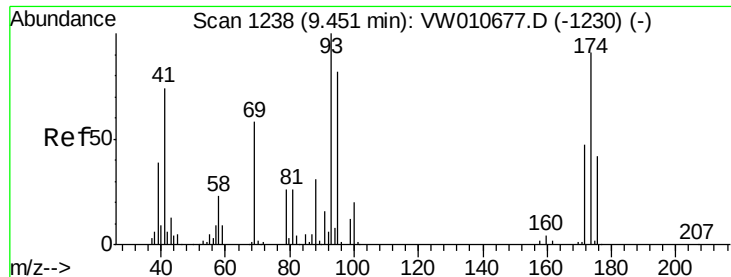
MMDadoda
6/13/2019 11:32:15 AM



#48
Methyl methacrylate
Concen: 22.542 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45044		
69	68.6	56.6	85.0	
39	54.6	44.4	66.6	





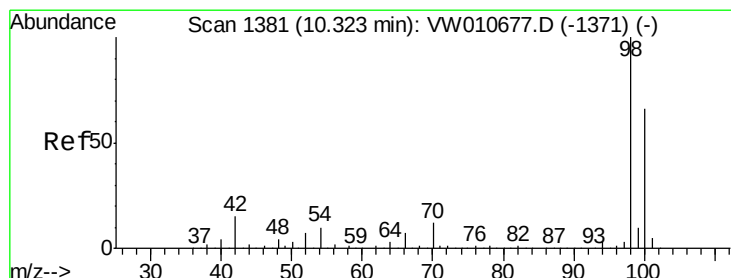
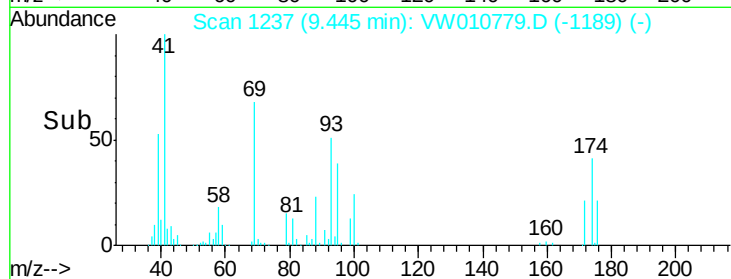
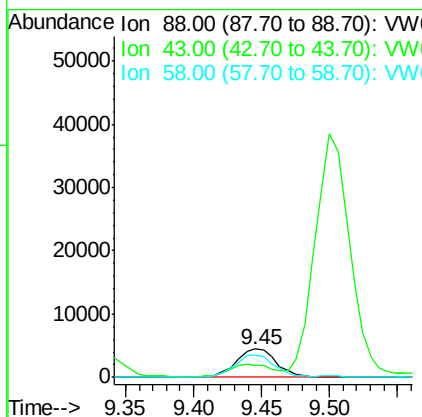
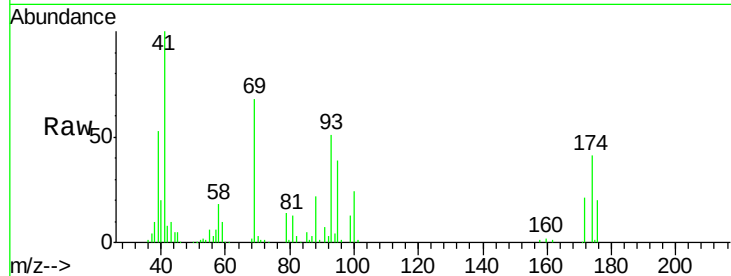
#49
1,4-Dioxane
Concen: 454.607 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	88	Resp	9229
Ion	Ratio	Lower	Upper
88	100		
43	45.9	34.2	51.4
58	80.3	69.0	103.4

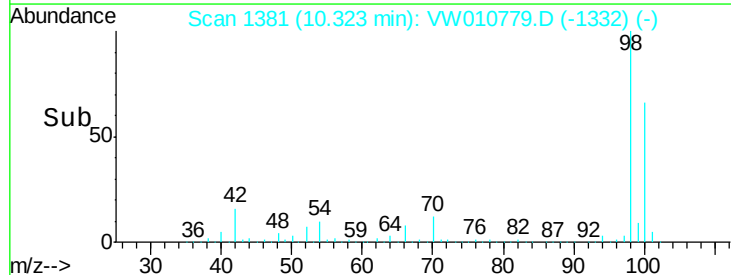
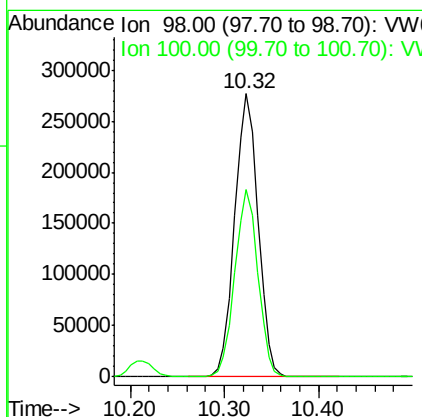
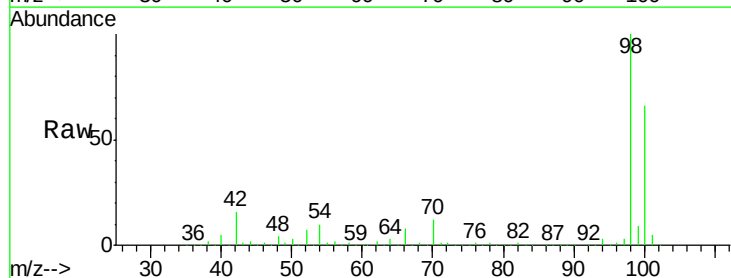
Manual Integrations
APPROVED

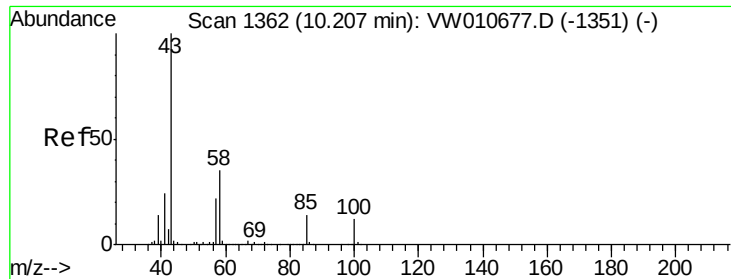
MMDadoda
6/13/2019 11:32:15 AM



#50
Toluene-d8
Concen: 53.145 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	98	Resp	478378
Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 113.545 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampled :

VW0612SBSD01

Tot Ion: 43 Resp: 240400

Ion Ratio Lower Upper

43 100

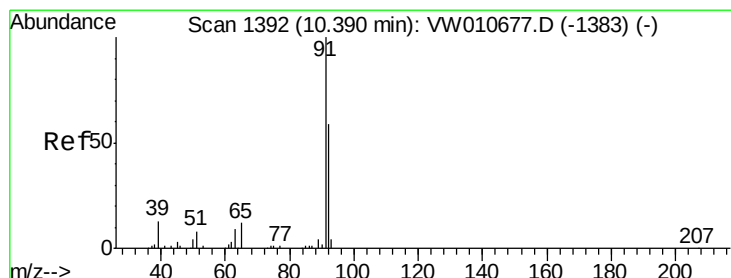
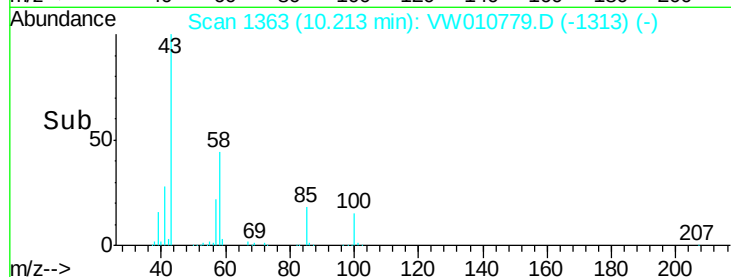
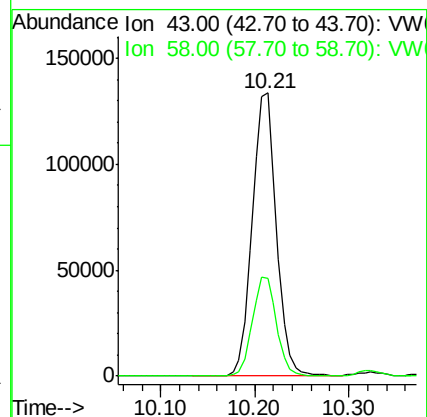
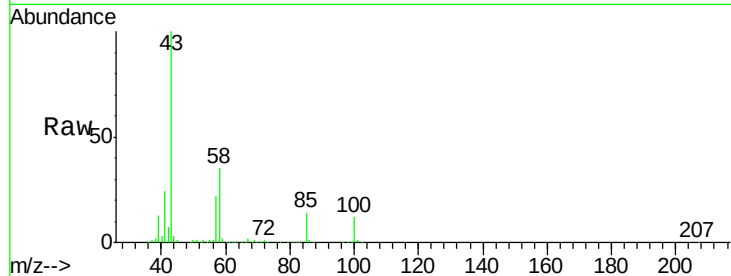
58 35.0 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#52

Toluene

Concen: 22.516 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010779.D

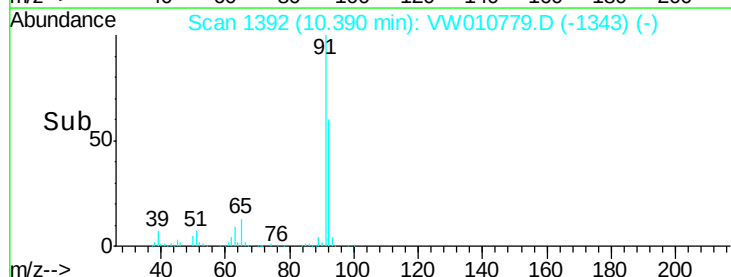
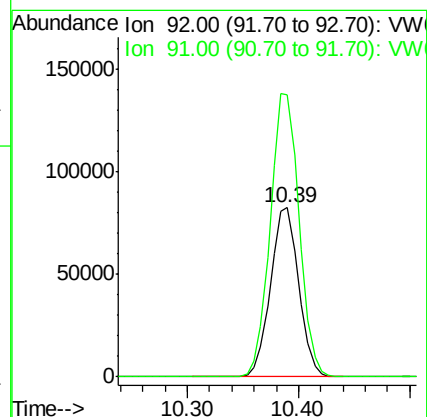
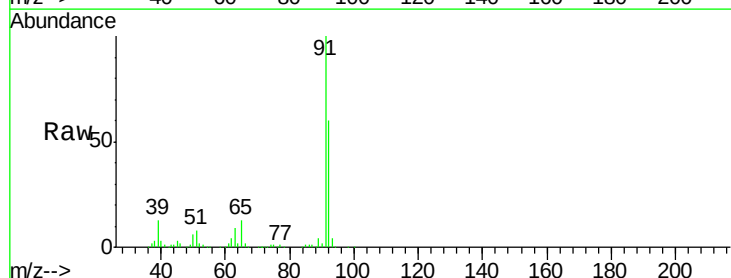
Acq: 12 Jun 2019 15:42

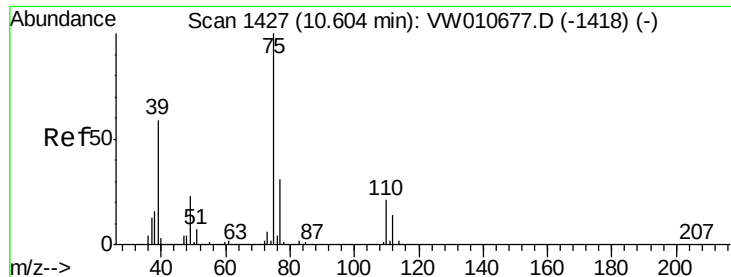
Tgt Ion: 92 Resp: 146305

Ion Ratio Lower Upper

92 100

91 171.1 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 22.273 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 75 Resp: 79404

Ion Ratio Lower Upper

75 100

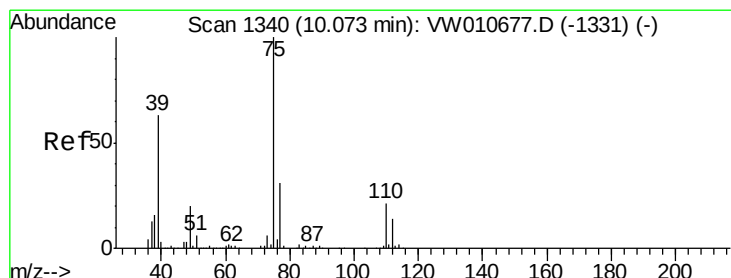
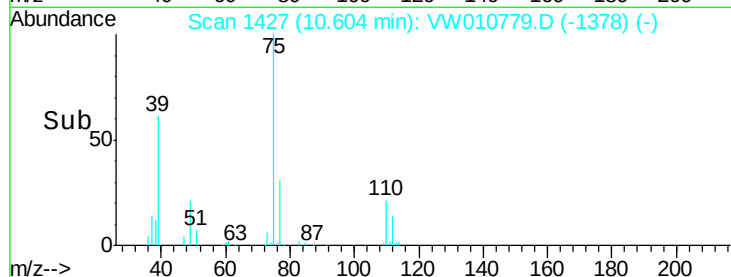
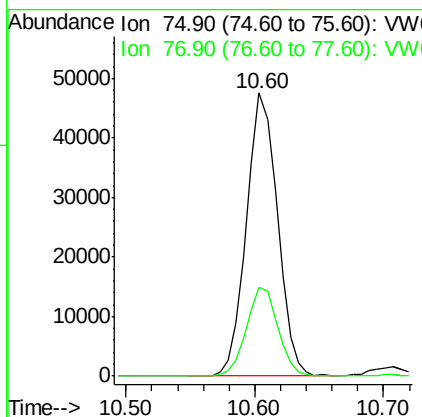
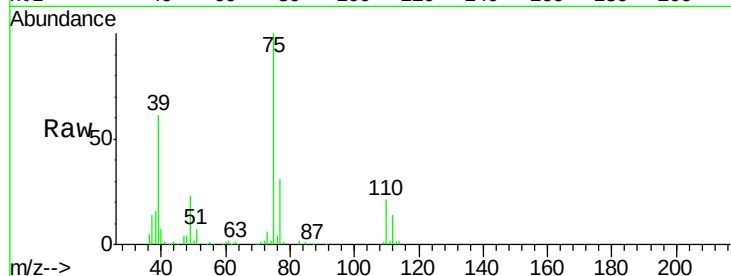
77 31.3 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#54

cis-1,3-Dichloropropene

Concen: 22.458 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

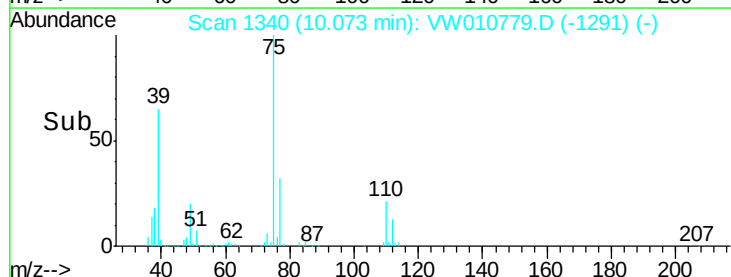
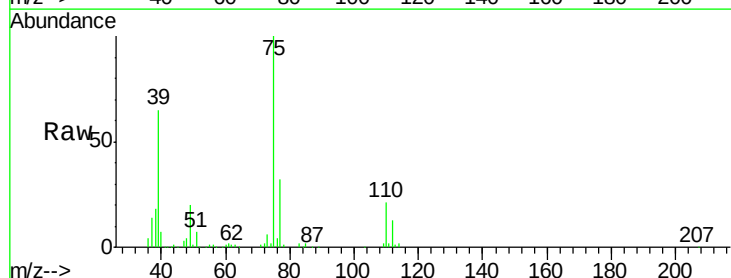
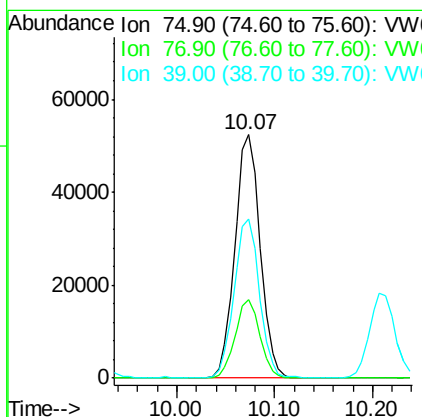
Tgt Ion: 75 Resp: 94215

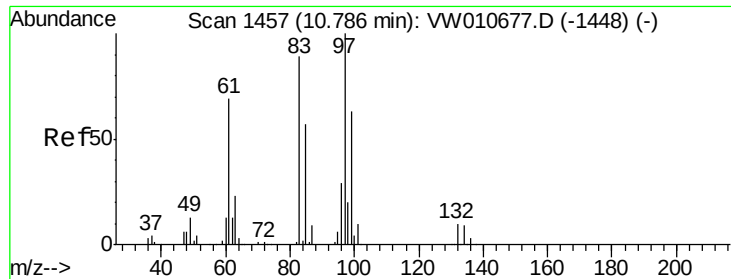
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

39 65.0 50.1 75.1





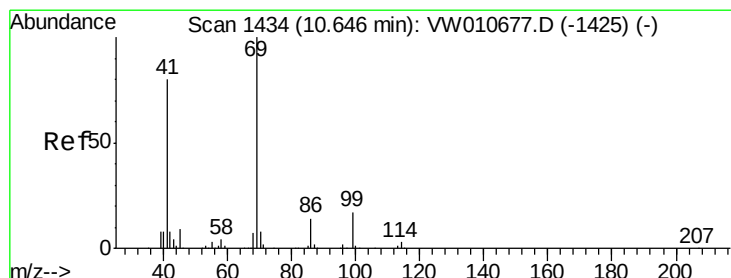
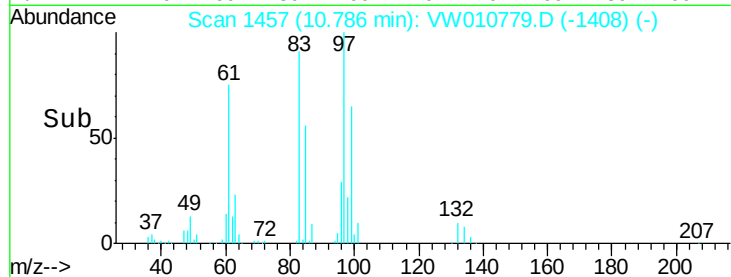
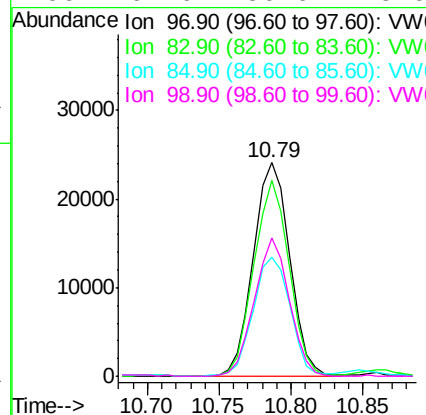
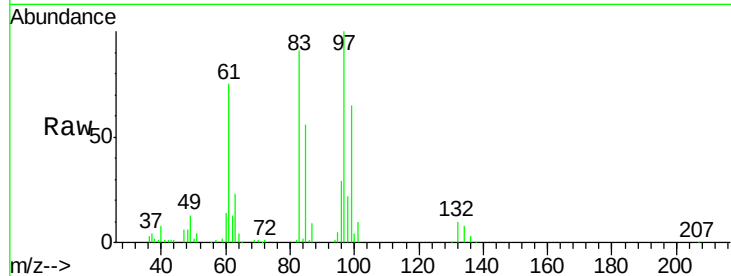
#55
 1,1,2-Trichloroethane
 Concen: 22.493 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion:	97	Resp:	42075
Ion	Ratio	Lower	Upper
97	100		
83	91.4	71.1	106.7
85	55.5	45.2	67.8
99	64.6	50.0	75.0

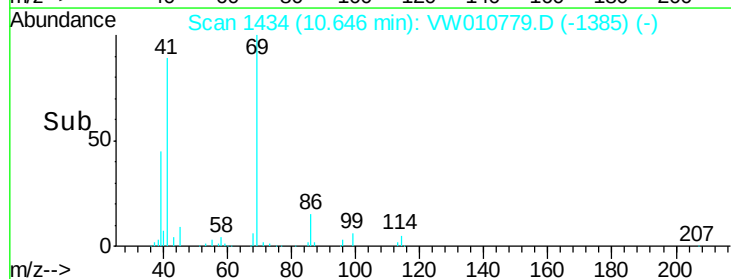
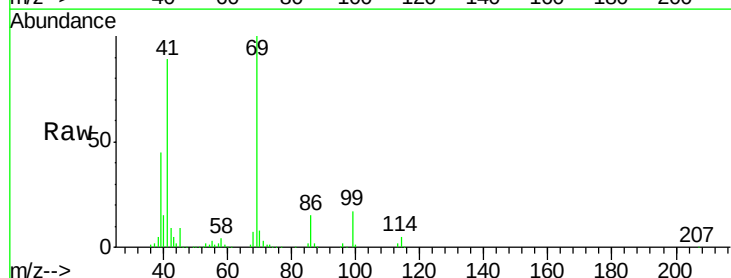
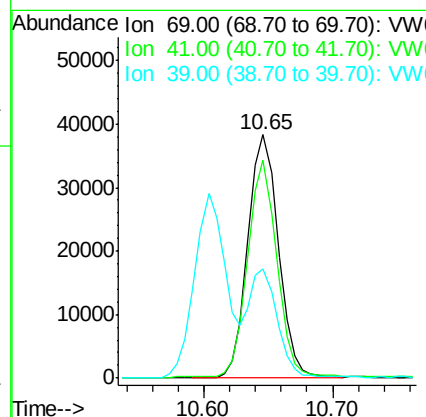
Manual Integrations
 APPROVED

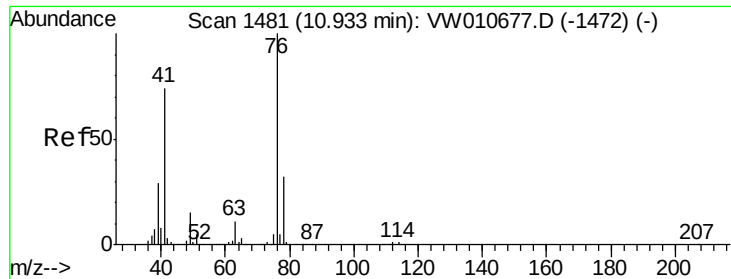
MMDadoda
 6/13/2019 11:32:15 AM



#56
 Ethyl methacrylate
 Concen: 21.931 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion:	69	Resp:	63126
Ion	Ratio	Lower	Upper
69	100		
41	85.7	64.8	97.2
39	41.1	32.2	48.2





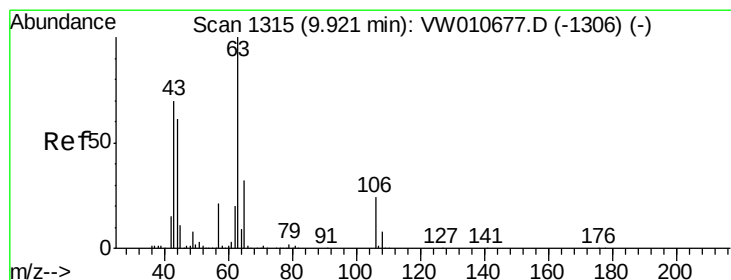
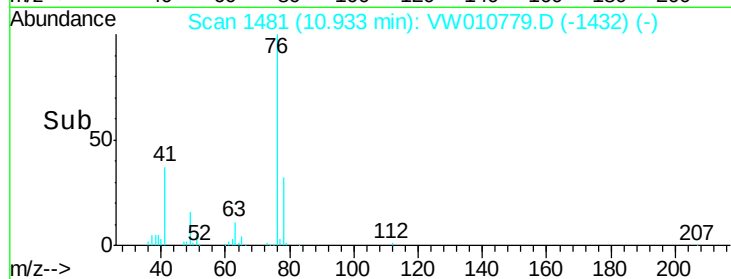
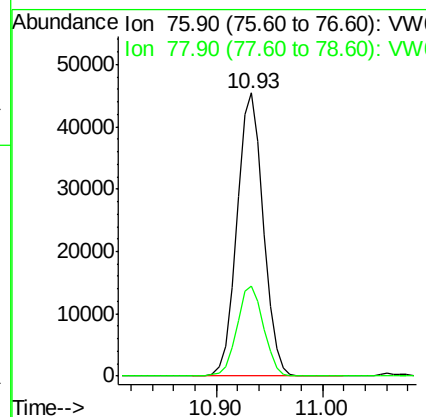
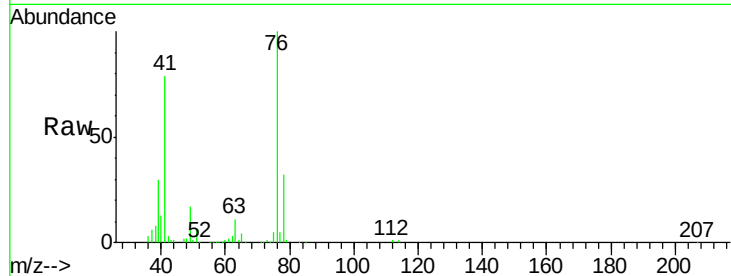
#57
 1,3-Dichloropropane
 Concen: 22.339 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion: 76 Resp: 78751
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

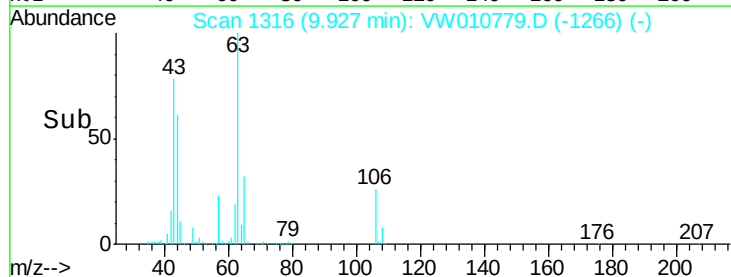
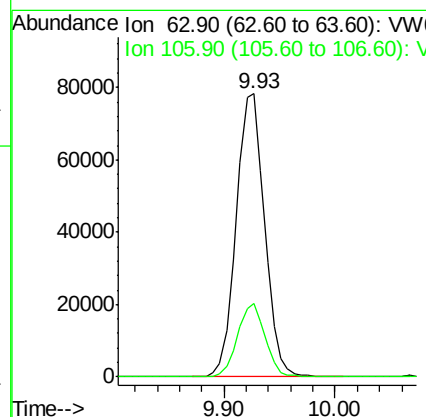
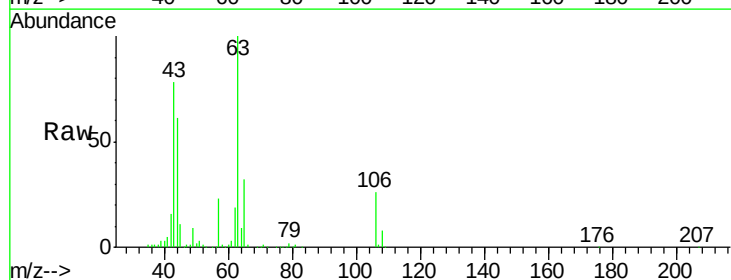
Manual Integrations
 APPROVED

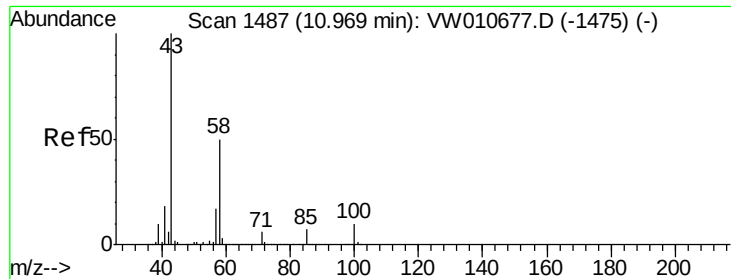
MMDadoda
 6/13/2019 11:32:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.582 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion: 63 Resp: 138069
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.1 30.1





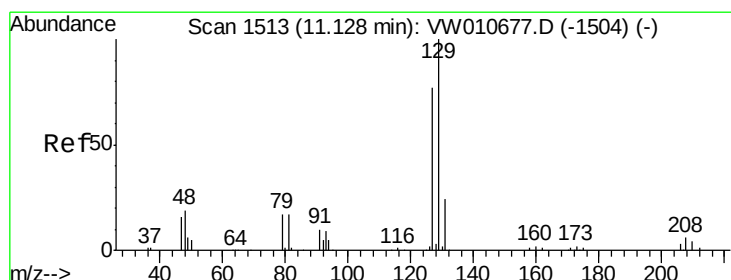
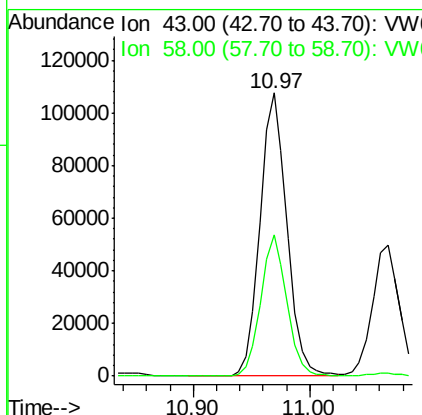
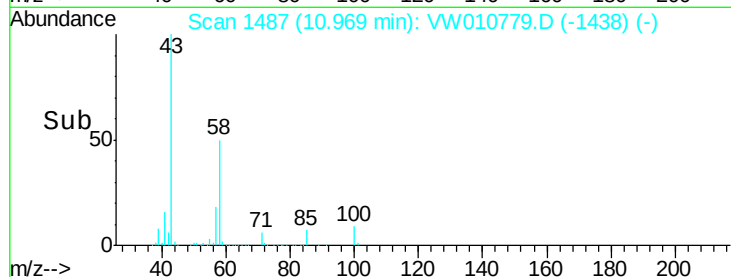
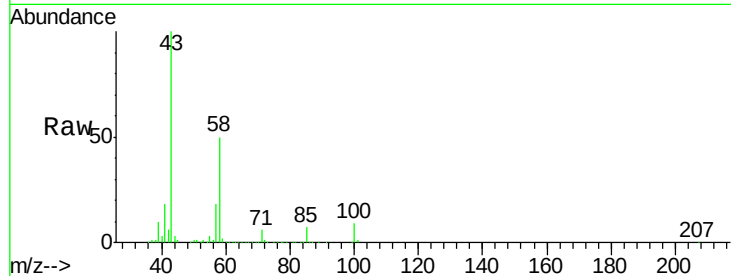
#59
2-Hexanone
Concen: 112.850 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion: 43 Resp: 172680
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6

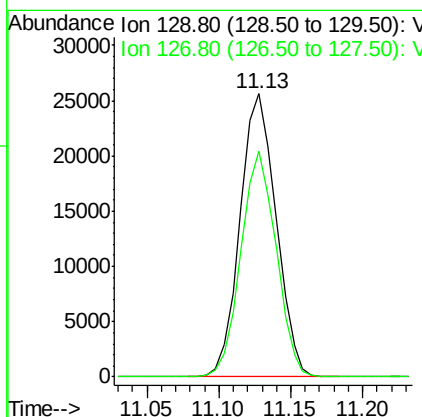
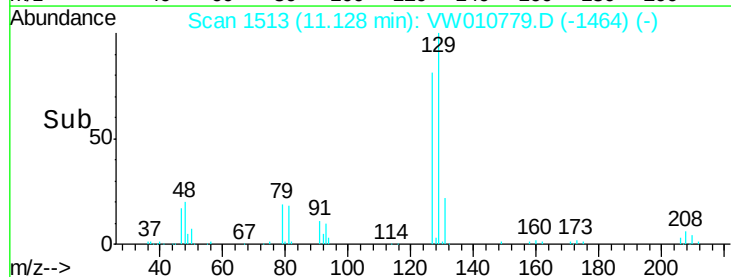
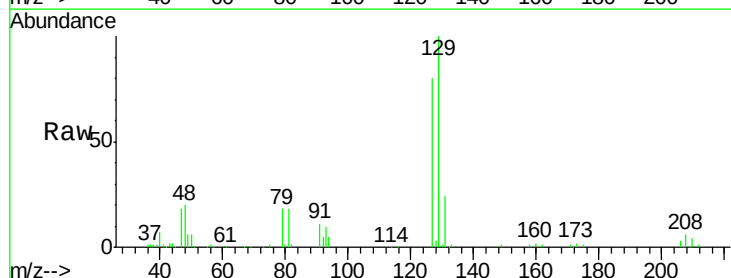
Manual Integrations
APPROVED

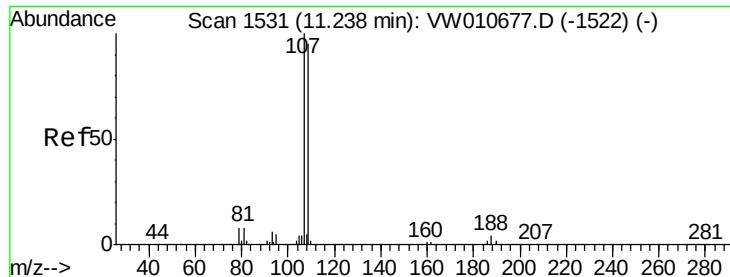
MMDadoda
6/13/2019 11:32:15 AM



#60
Dibromochloromethane
Concen: 21.463 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion:129 Resp: 44505
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





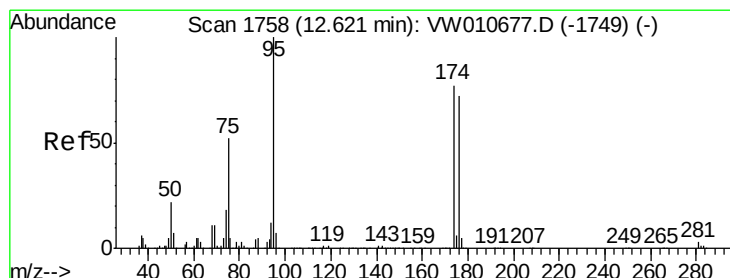
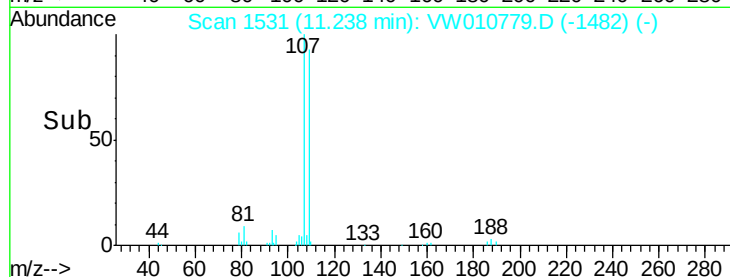
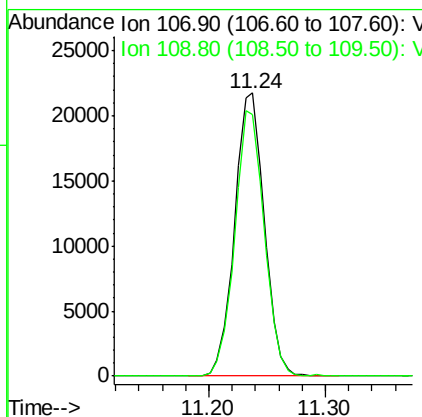
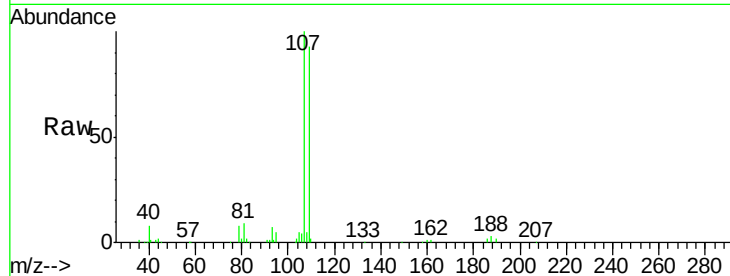
#61
 1,2-Dibromoethane
 Concen: 21.804 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.8	113.8

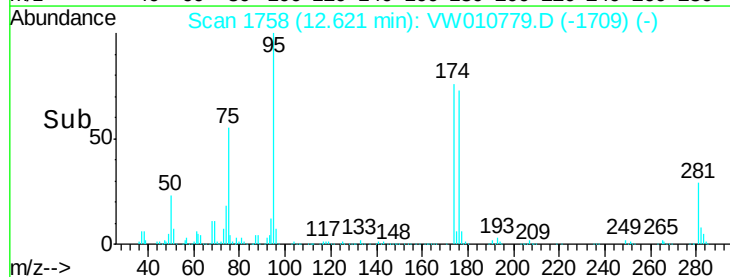
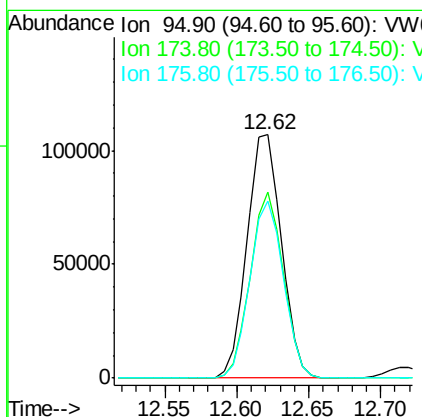
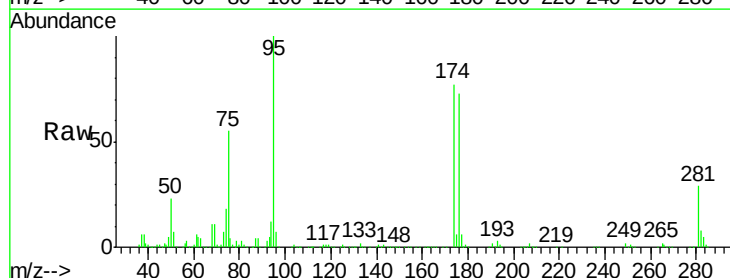
Manual Integrations
 APPROVED

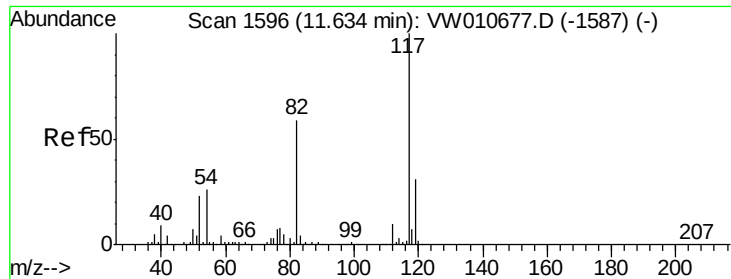
MMDadoda
 6/13/2019 11:32:15 AM



#62
 4-Bromofluorobenzene
 Concen: 54.033 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.4
176	71.0	0.0	144.8





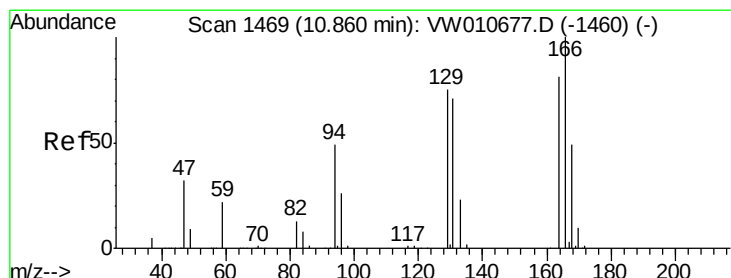
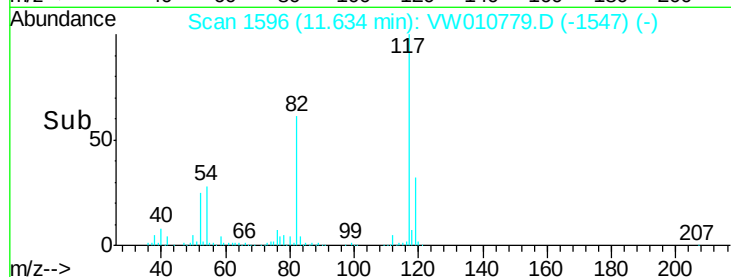
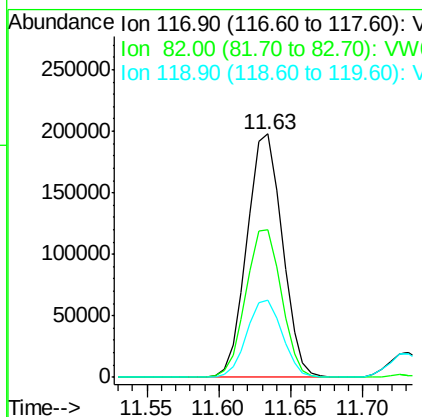
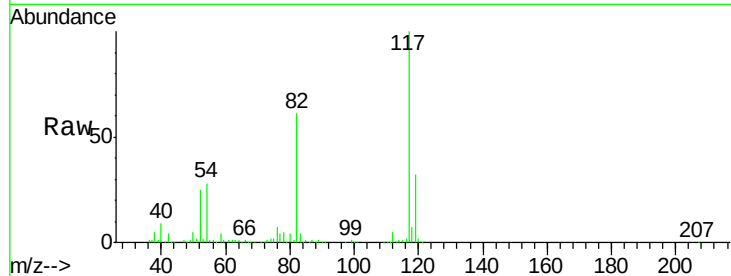
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.0	70.4
119	31.7	25.1	37.7

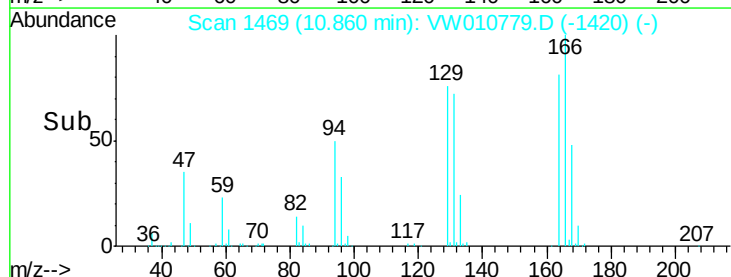
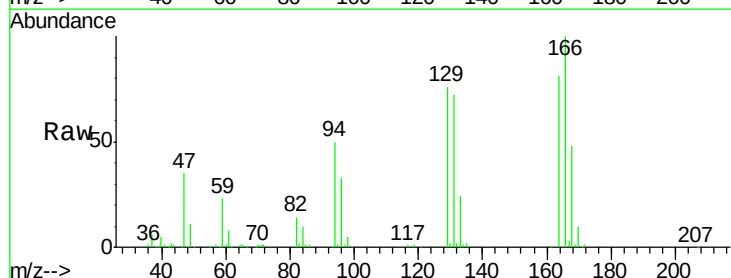
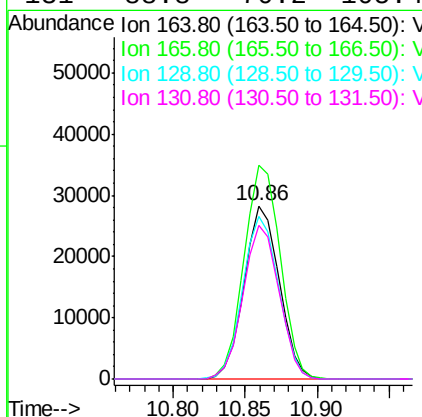
Manual Integrations
APPROVED

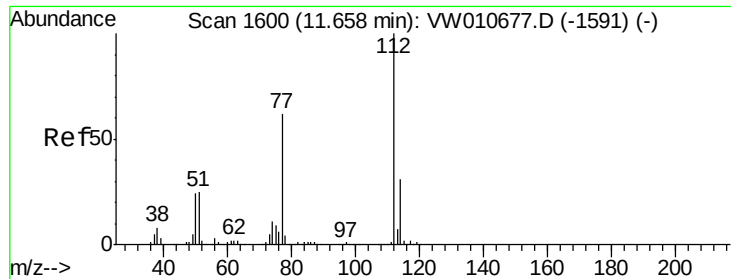
MMDadoda
6/13/2019 11:32:15 AM



#64
Tetrachloroethene
Concen: 21.420 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	99.2	148.8
129	94.1	74.6	112.0
131	88.8	70.2	105.4





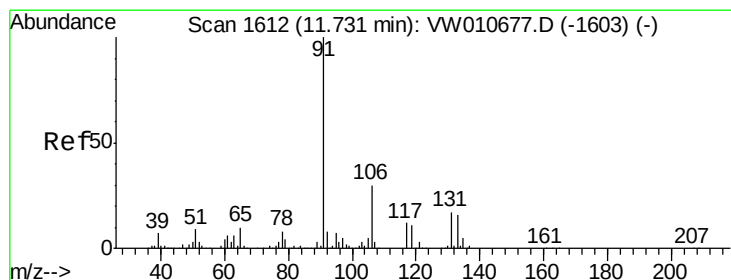
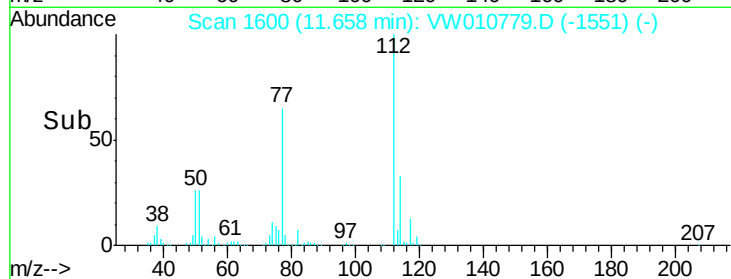
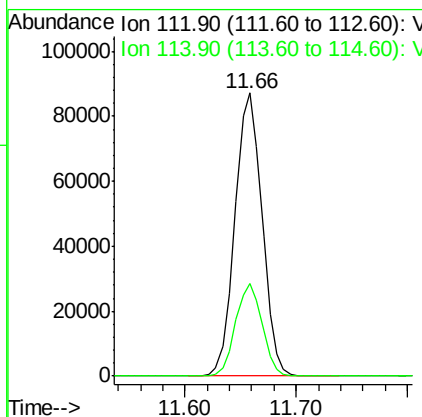
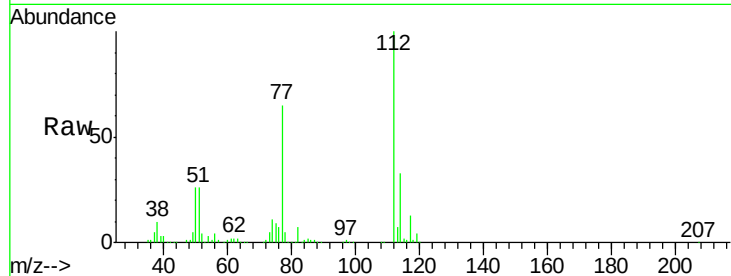
#65
Chlorobenzene
Concen: 22.231 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion:112 Resp: 147022
Ion Ratio Lower Upper
112 100
114 32.9 24.8 37.2

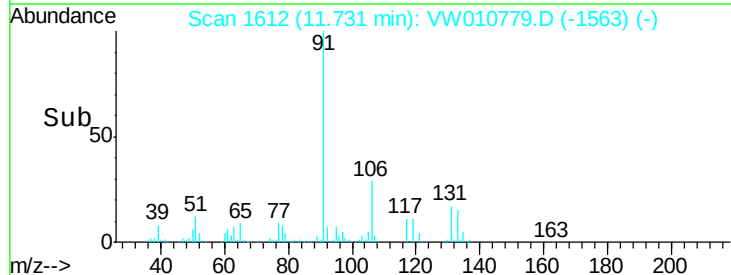
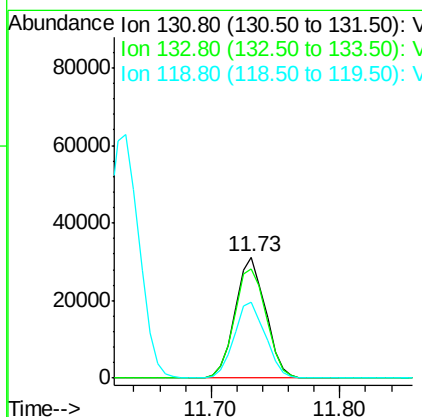
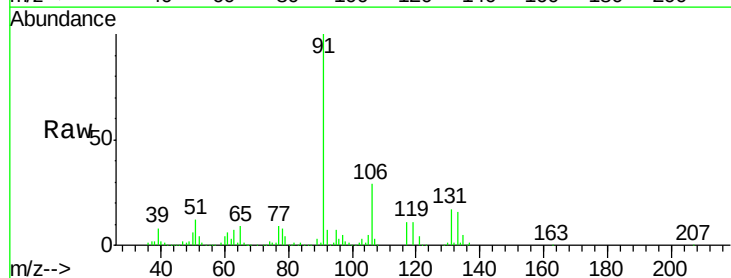
Manual Integrations
APPROVED

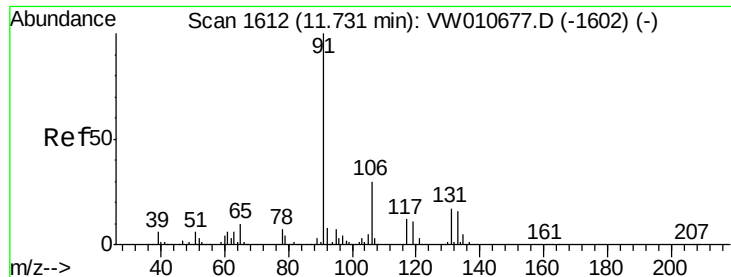
MMDadoda
6/13/2019 11:32:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.350 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion:131 Resp: 51168
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 64.4 32.4 97.0





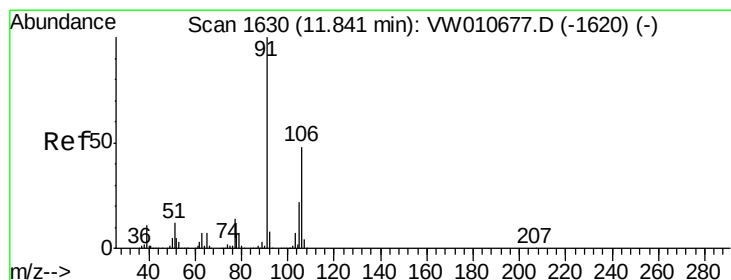
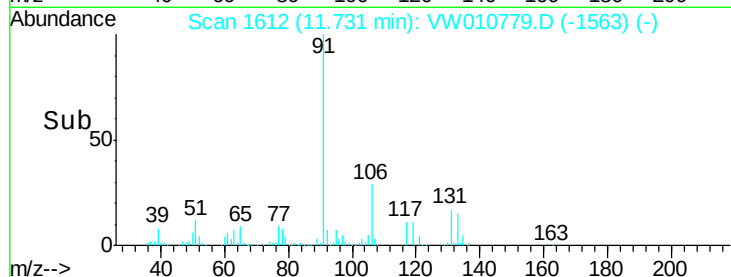
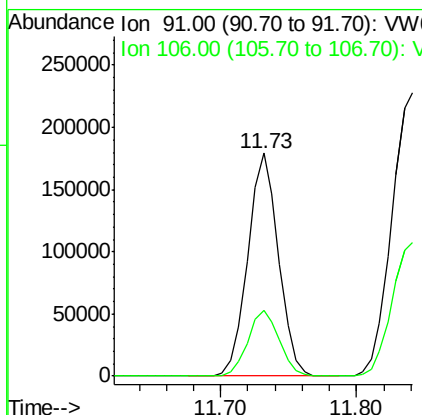
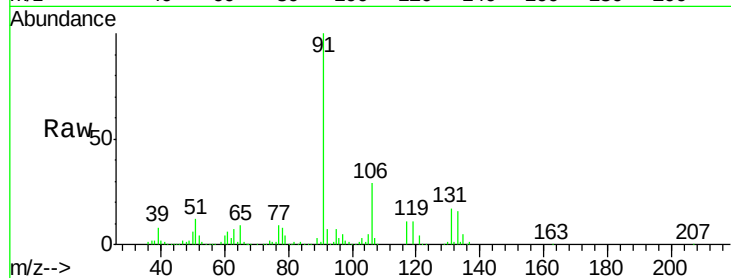
#67
Ethyl Benzene
Concen: 22.277 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.2	36.4

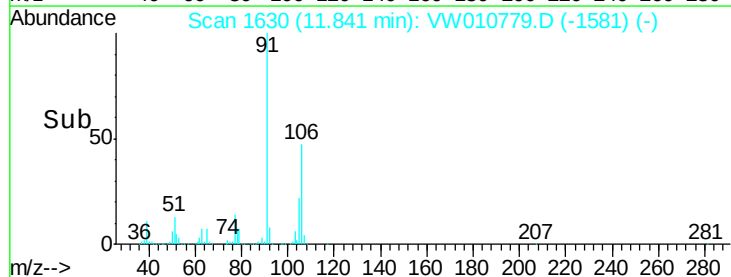
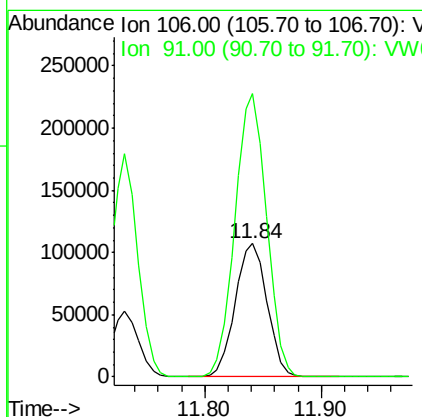
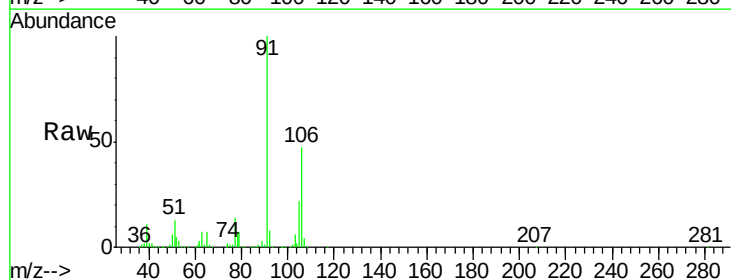
Manual Integrations
APPROVED

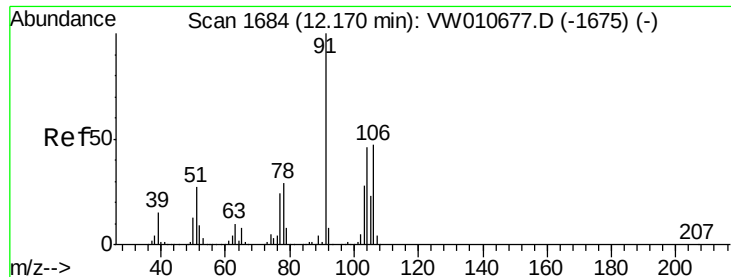
MMDadoda
6/13/2019 11:32:15 AM



#68
m/p-Xylenes
Concen: 44.974 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.5	166.5	249.7





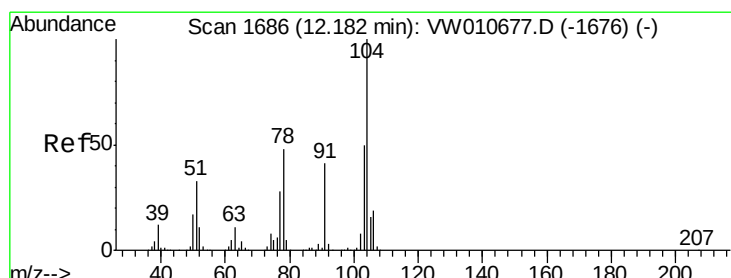
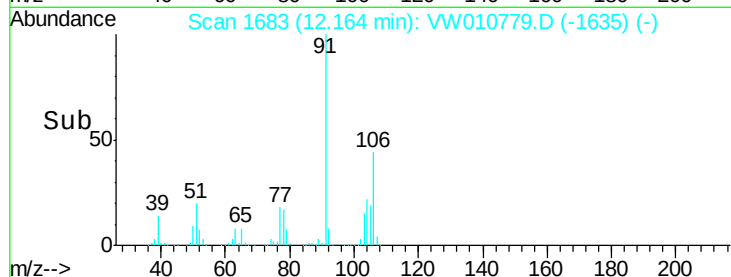
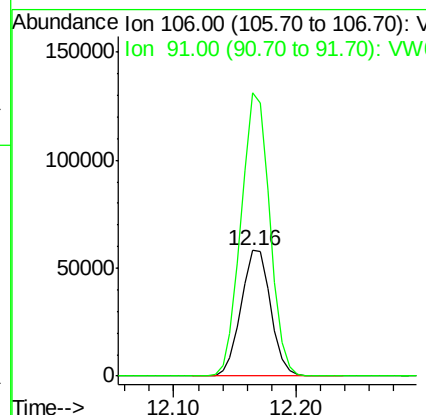
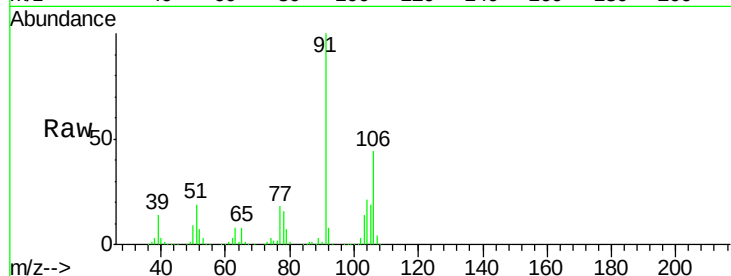
#69
o-Xylene
Concen: 22.566 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.1	108.9	326.6

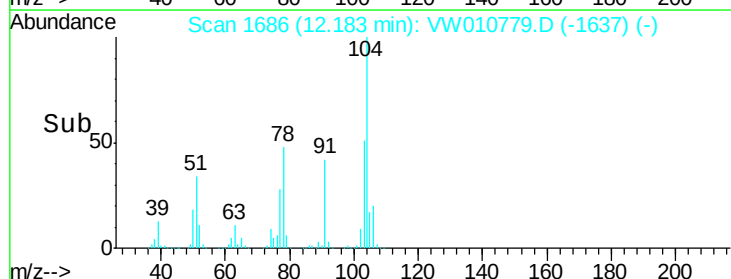
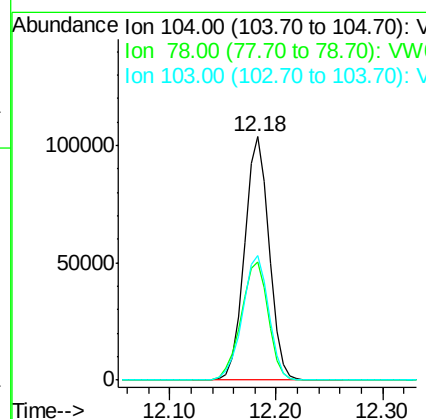
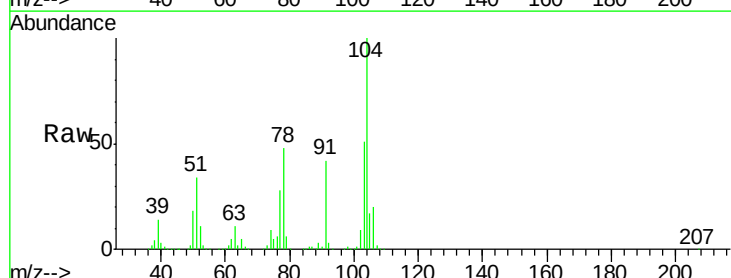
Manual Integrations
APPROVED

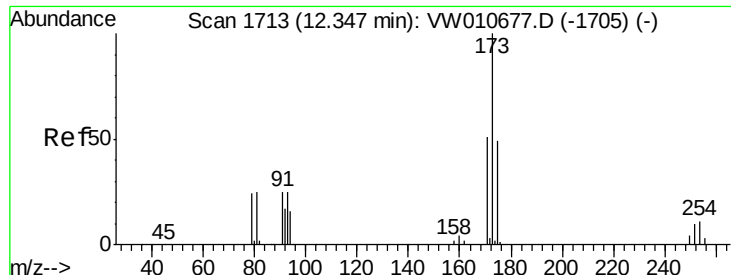
MMDadoda
6/13/2019 11:32:15 AM



#70
Styrene
Concen: 22.454 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.7	64.1
103	54.9	43.6	65.4





#71

Bromoform

Concen: 20.808 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBS01

Tot Ion:173 Resp: 24637

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

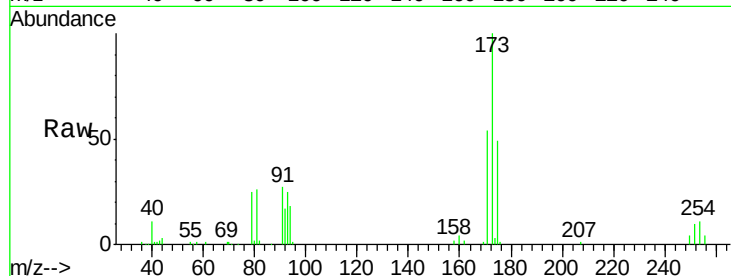
254 0.1 0.1 0.1

Manual Integrations

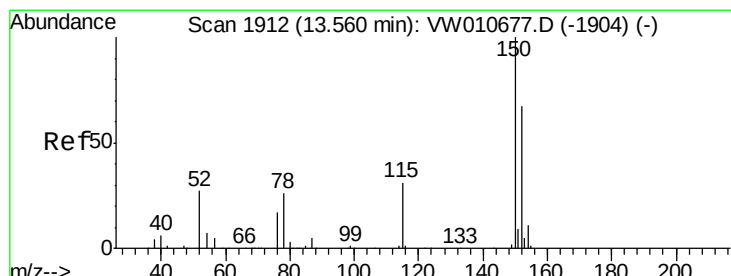
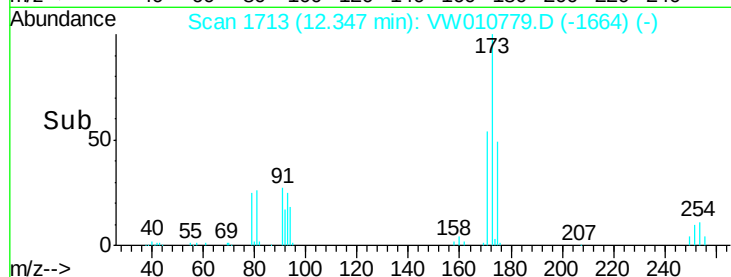
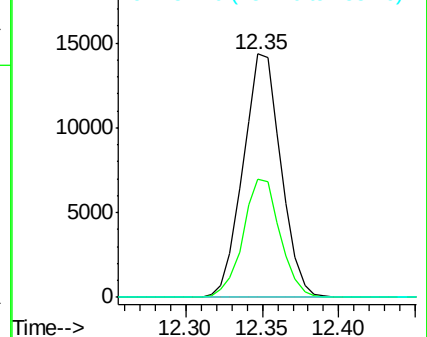
APPROVED

MMDadoda

6/13/2019 11:32:15 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

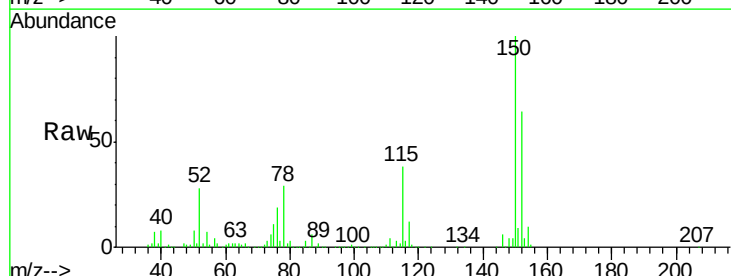
Tgt Ion:152 Resp: 165732

Ion Ratio Lower Upper

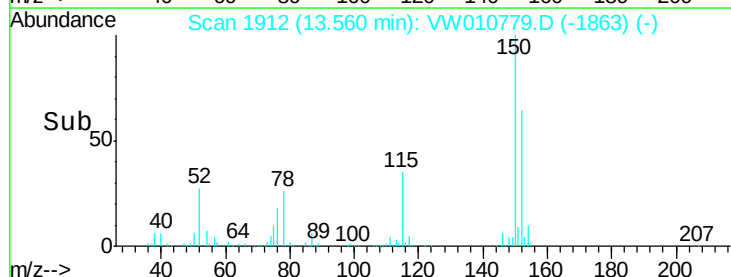
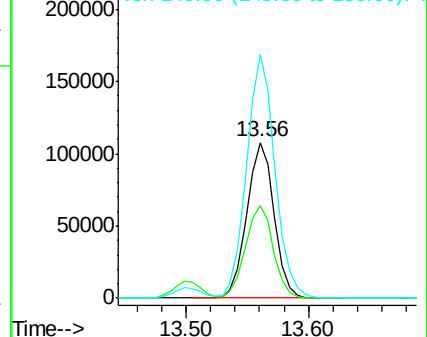
152 100

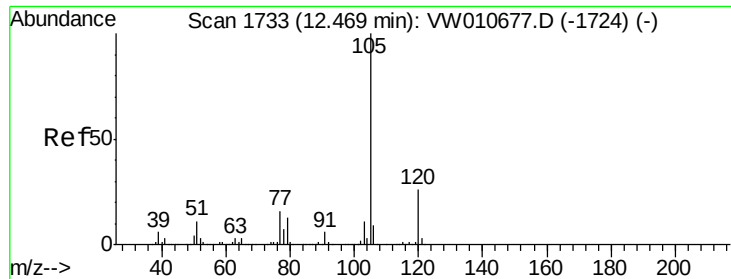
115 60.4 29.8 89.3

150 163.4 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: 21.758 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion:105 Resp: 270971

Ion Ratio Lower Upper

105 100

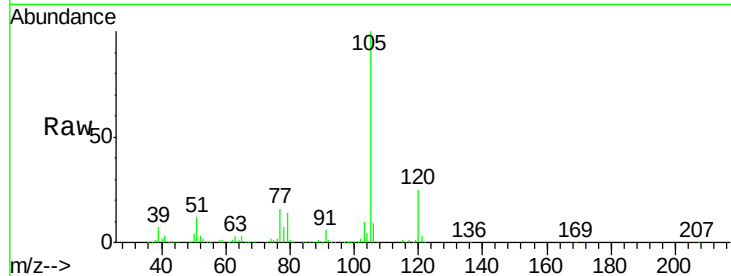
120 25.6 13.1 39.1

Manual Integrations

APPROVED

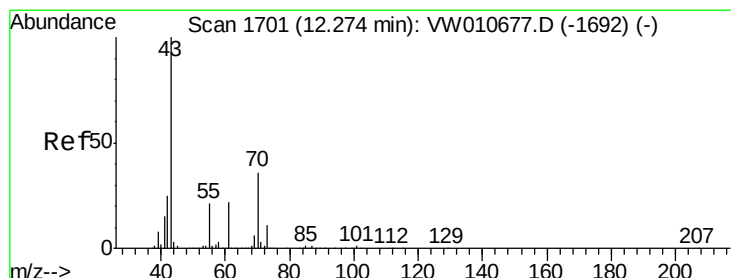
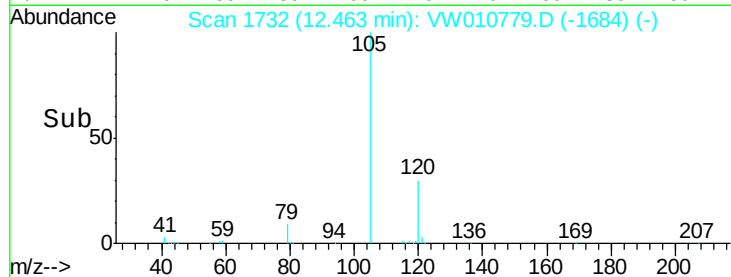
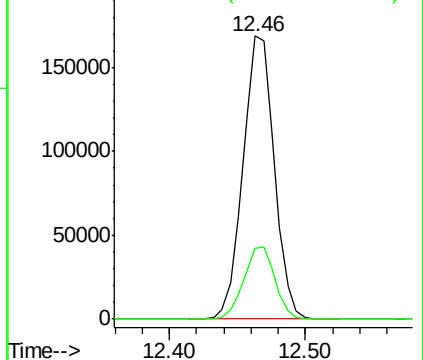
MMDadoda

6/13/2019 11:32:15 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: 22.136 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion: 43 Resp: 89096

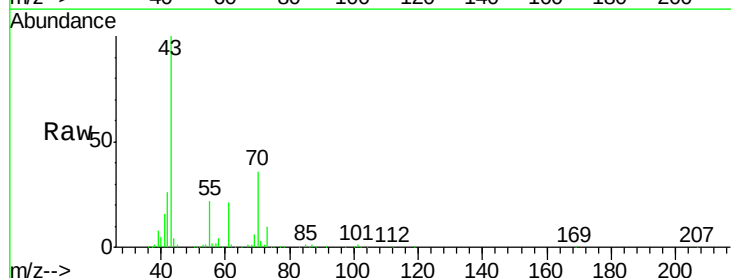
Ion Ratio Lower Upper

43 100

70 35.5 29.2 43.8

55 22.2 17.5 26.3

61 21.5 17.4 26.2

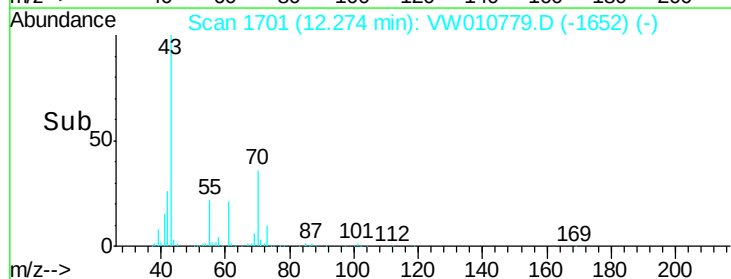
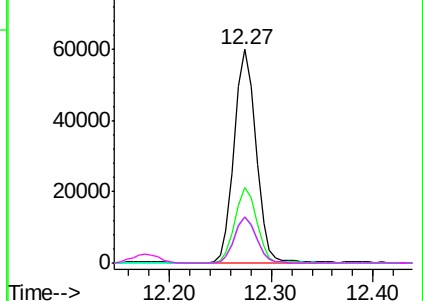


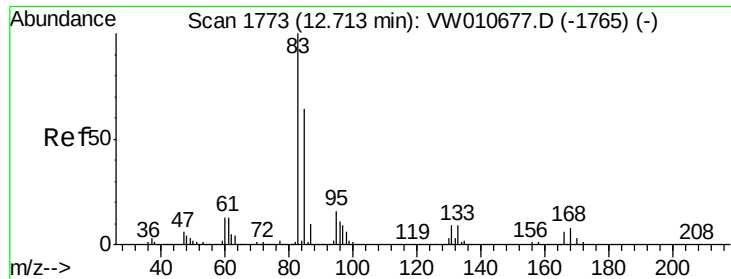
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.964 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

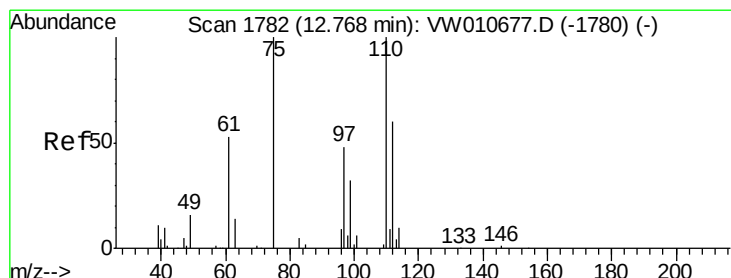
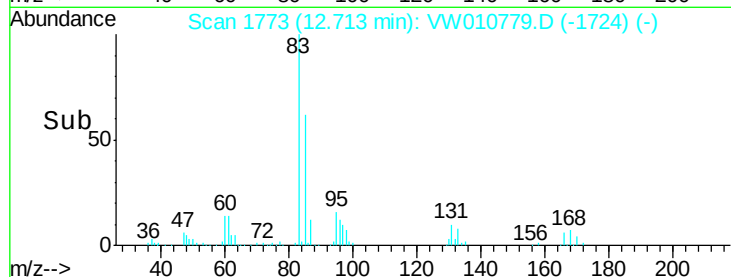
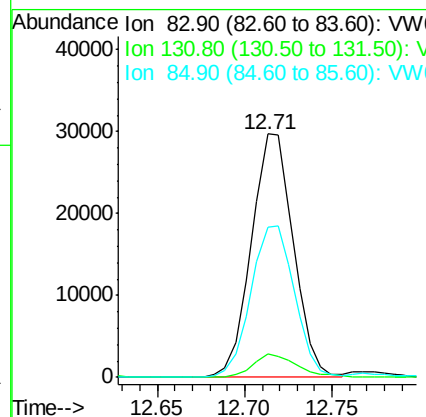
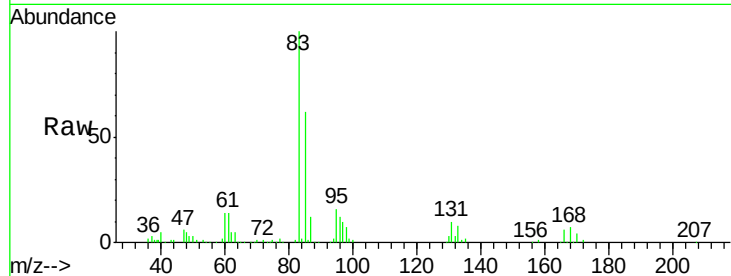
ClientSampleId :

VW0612SBSD01

Tot Ion:	83	Resp:	49704
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#76

1,2,3-Trichloropropane

Concen: 21.634 ug/l m

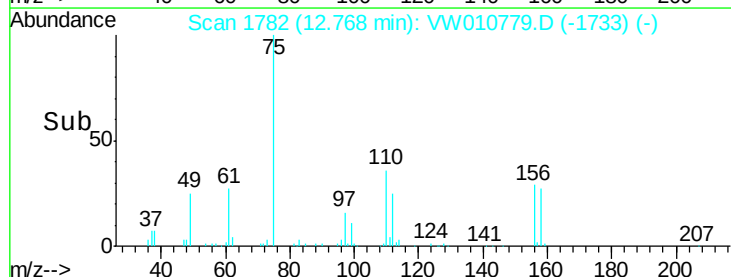
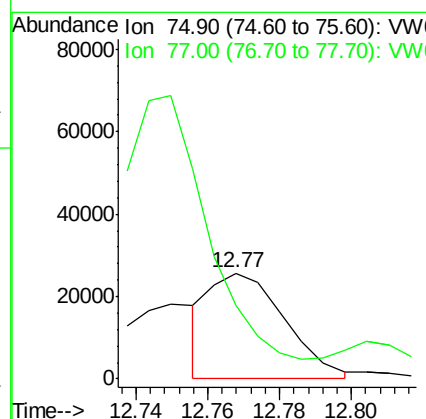
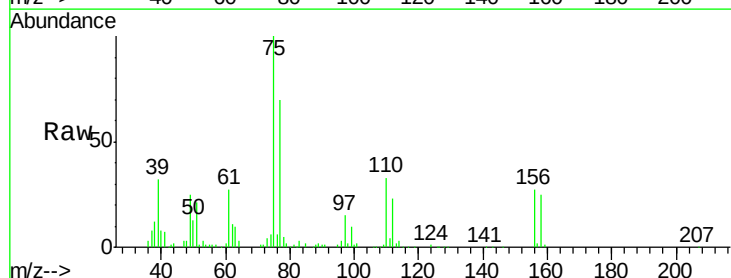
RT: 12.77 min Scan# 1782

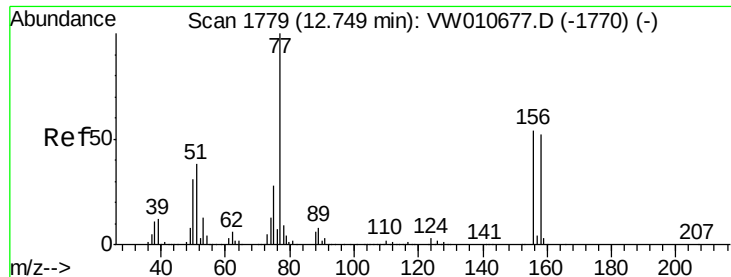
Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	75	Resp:	37652
Ion Ratio	Lower	Upper	
75	100		
77	338.6	0.0	0.0#





#77

Bromobenzene

Concen: 21.661 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBS01

Tot Ion:156 Resp: 58886

Ion Ratio Lower Upper

156 100

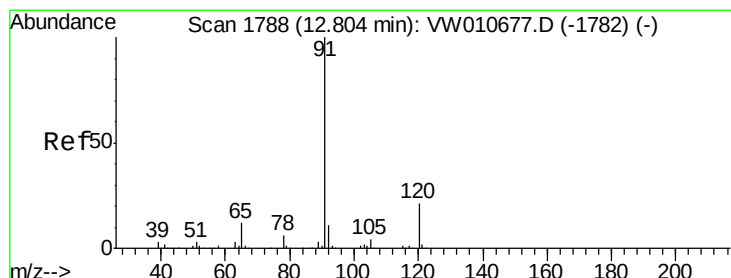
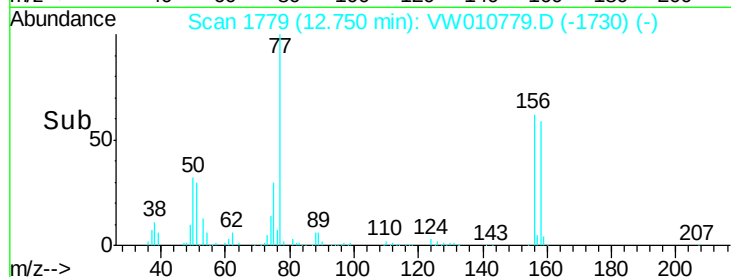
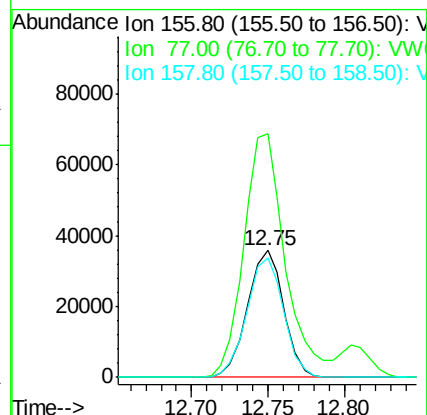
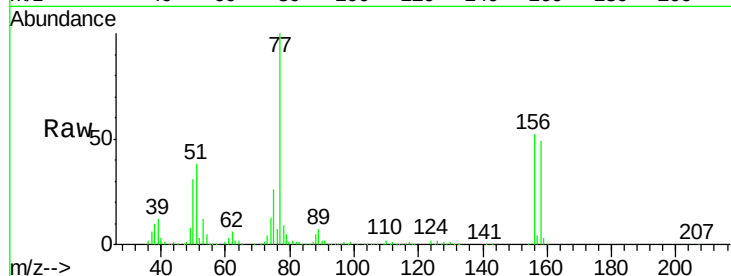
77 216.5 106.5 319.4

158 96.0 48.3 144.9

Manual Integrations
APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#78

n-propylbenzene

Concen: 21.696 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010779.D

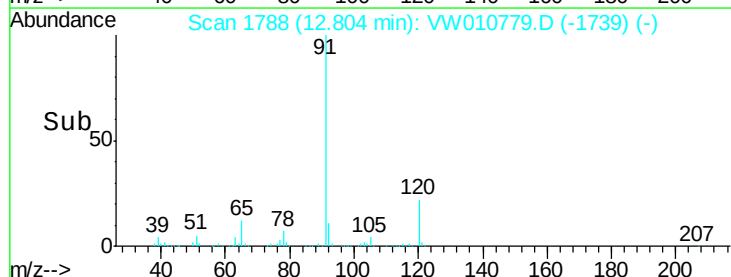
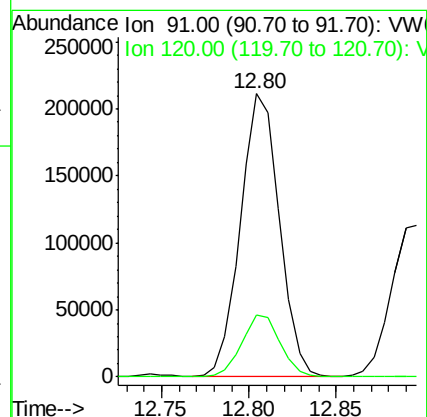
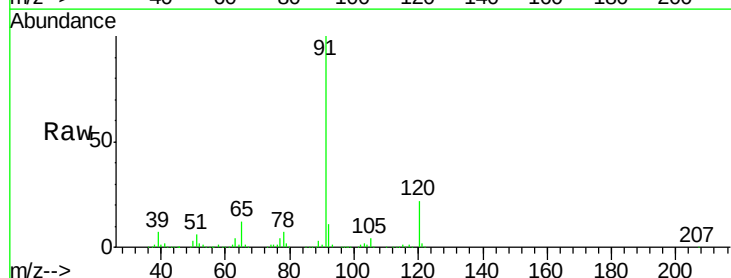
Acq: 12 Jun 2019 15:42

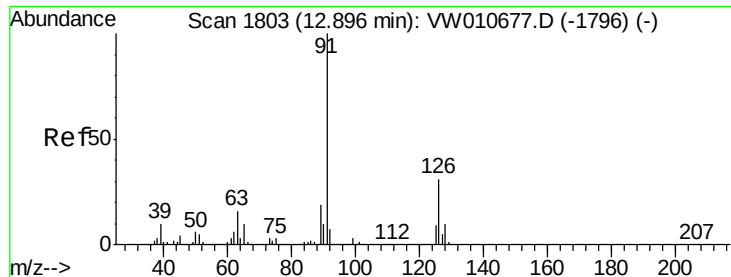
Tgt Ion: 91 Resp: 325808

Ion Ratio Lower Upper

91 100

120 21.7 10.8 32.4





#79

2-Chlorotoluene

Concen: 21.954 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VW0612SBSD01

Tot Ion: 91 Resp: 188358

Ion Ratio Lower Upper

91 100

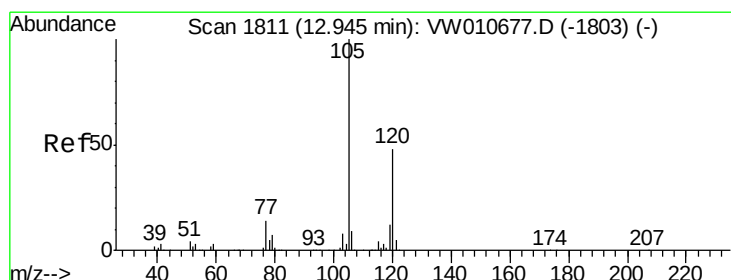
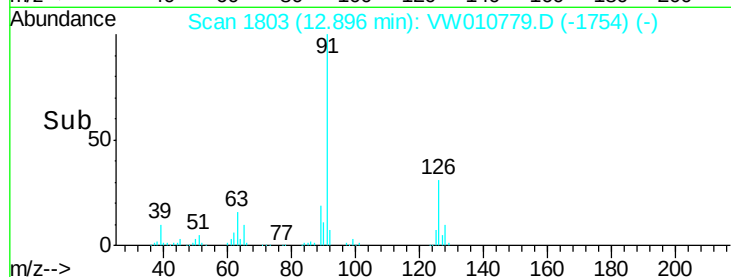
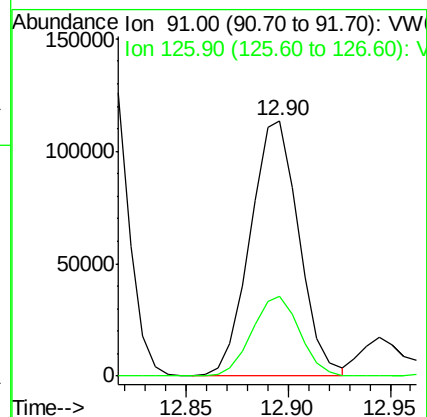
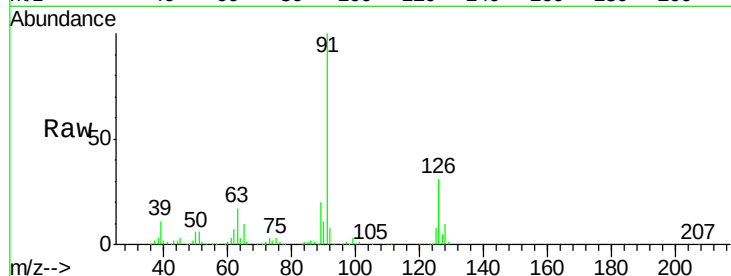
126 30.7 15.7 47.0

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:32:15 AM



#80

1,3,5-Trimethylbenzene

Concen: 21.914 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010779.D

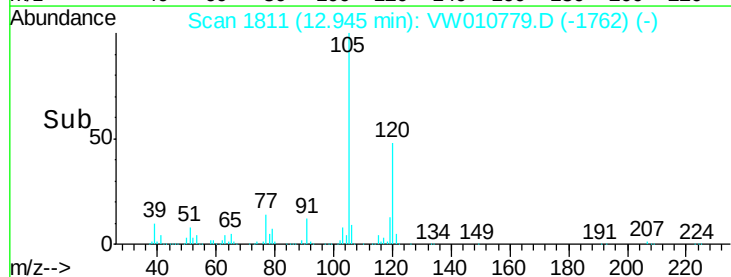
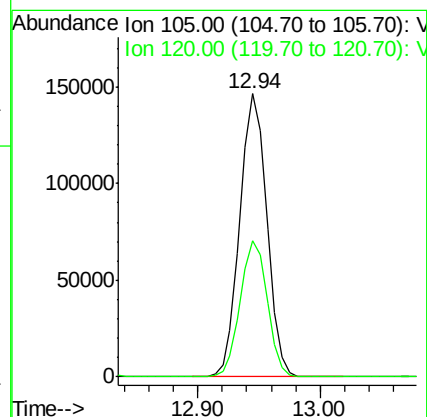
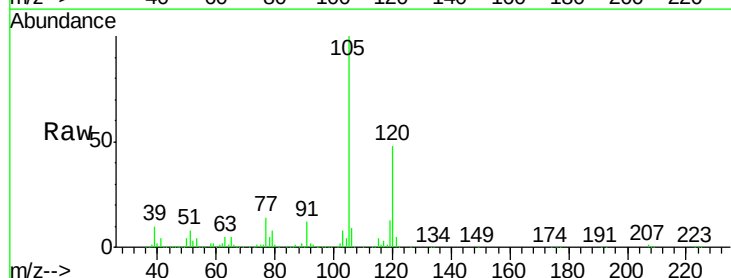
Acq: 12 Jun 2019 15:42

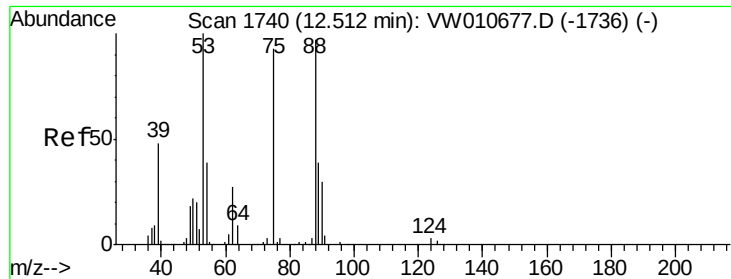
Tgt Ion: 105 Resp: 223392

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.223 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

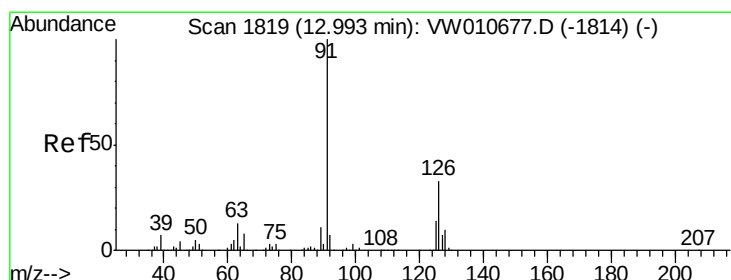
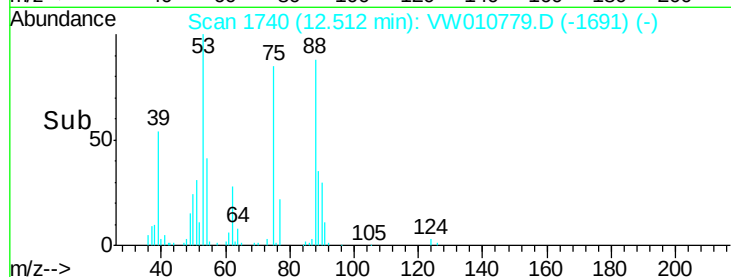
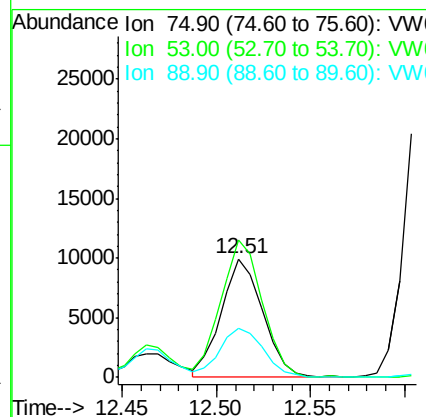
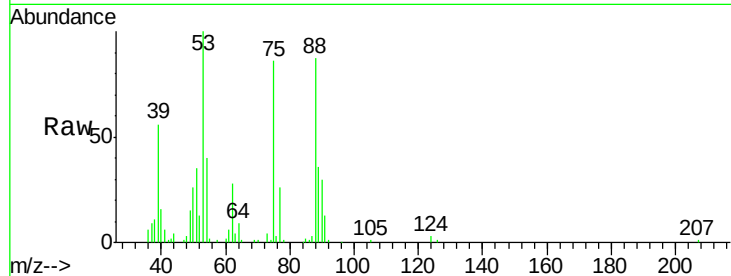
ClientSampleId :

VW0612SBSD01

Tot Ion:	75	Resp:	15314
Ion	Ratio	Lower	Upper
75	100		
53	113.6	90.1	135.1
89	43.8	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#82

4-Chlorotoluene

Concen: 22.133 ug/l

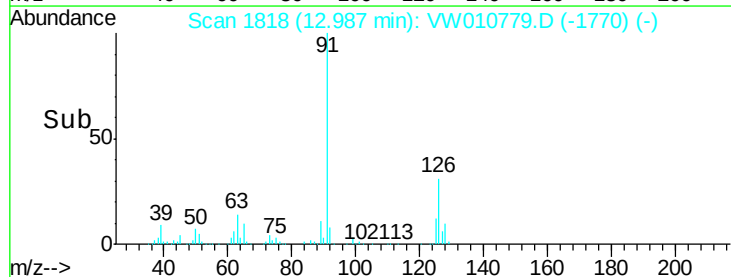
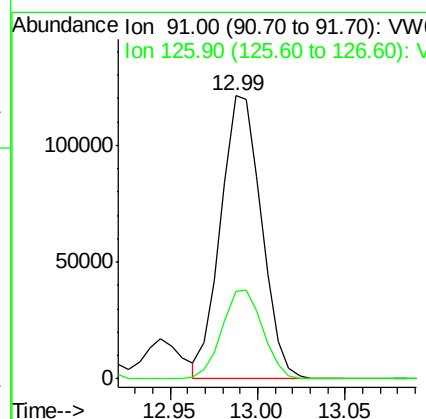
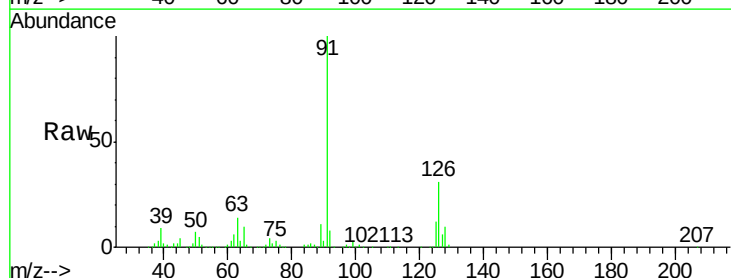
RT: 12.99 min Scan# 1818

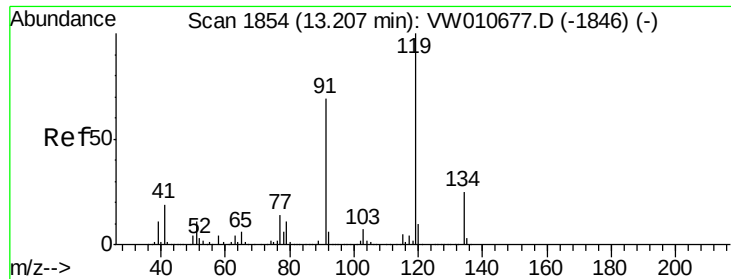
Delta R.T. -0.01 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	91	Resp:	195958
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





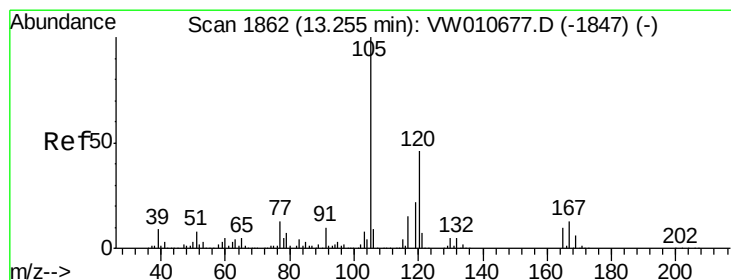
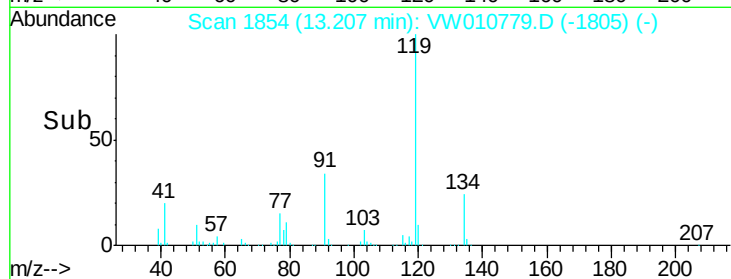
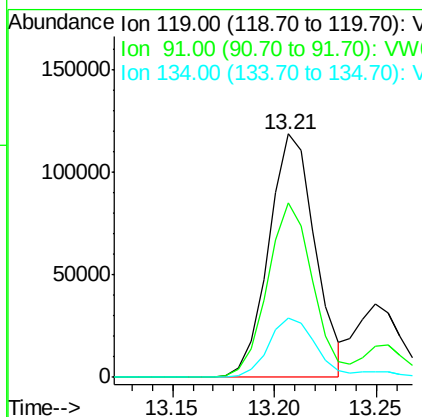
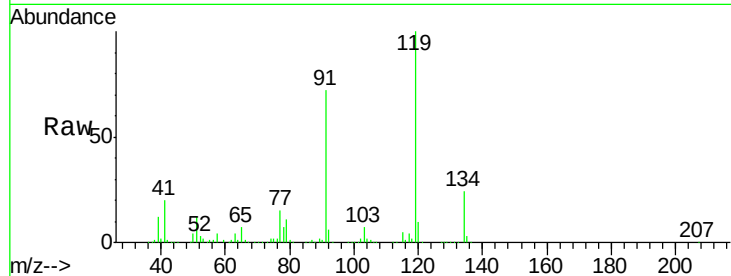
#83
tert-Butylbenzene
Concen: 21.725 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187947		
91	70.8	35.1	105.3	
134	24.8	13.6	40.7	

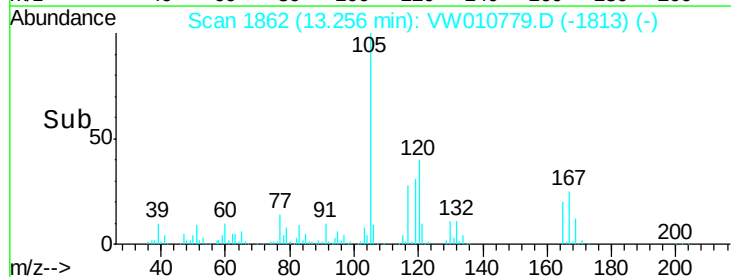
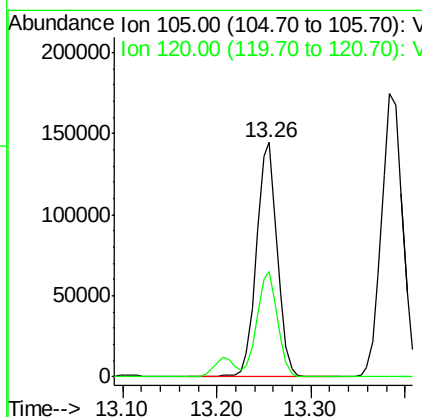
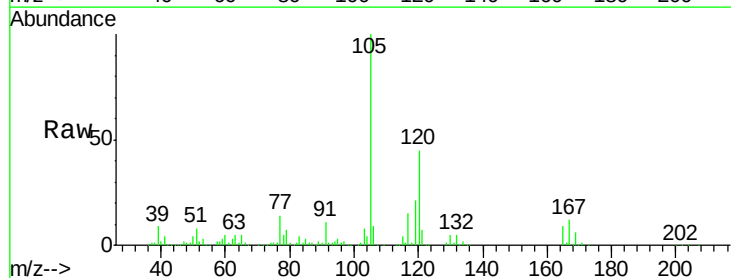
Manual Integrations
APPROVED

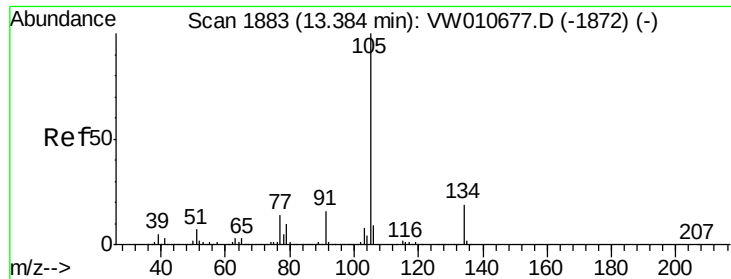
MMDadoda
6/13/2019 11:32:15 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.950 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225168		
120	44.5	22.5	67.5	





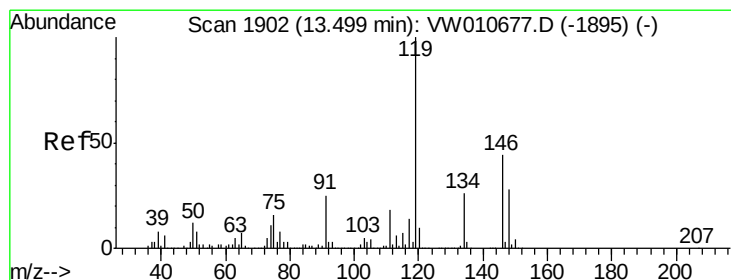
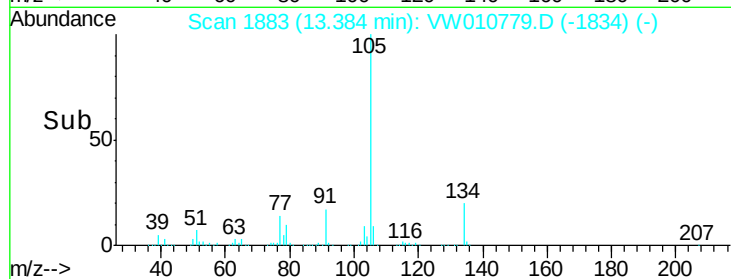
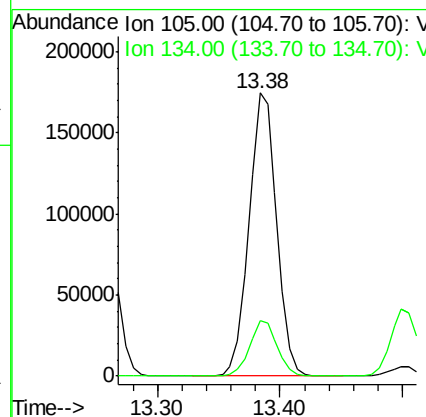
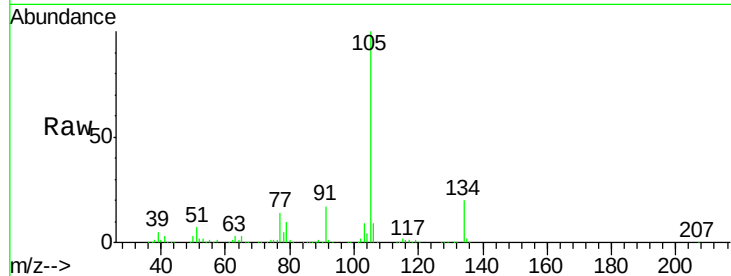
#85
 sec-Butylbenzene
 Concen: 21.666 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	272904		
134	19.6	9.7	28.9	

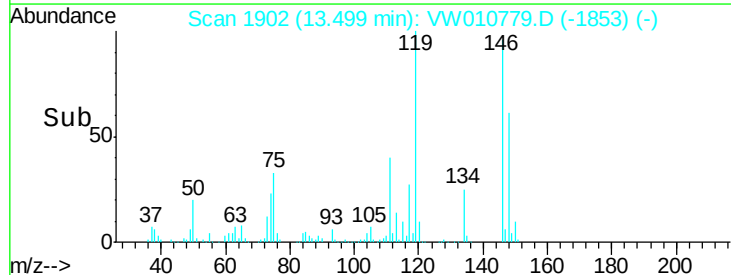
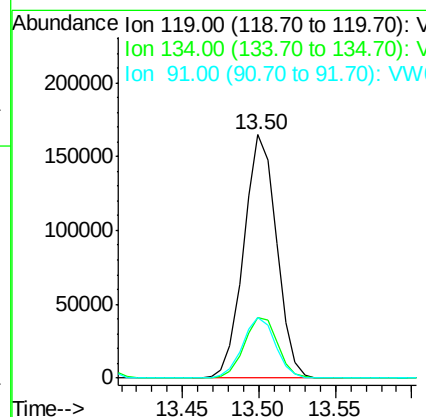
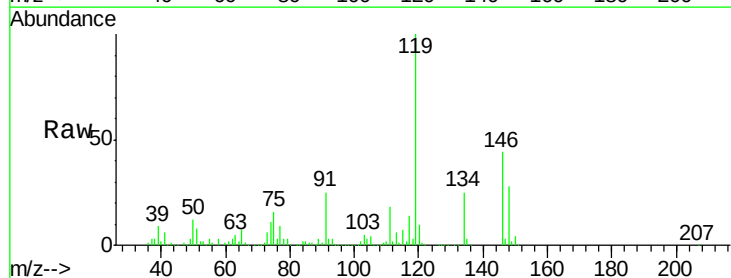
Manual Integrations
 APPROVED

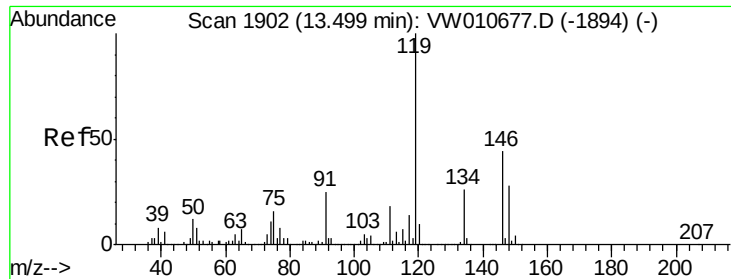
MMDadoda
 6/13/2019 11:32:15 AM



#86
 p-Isopropyltoluene
 Concen: 21.728 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	244743		
134	25.6	13.0	39.0	
91	24.9	12.2	36.4	





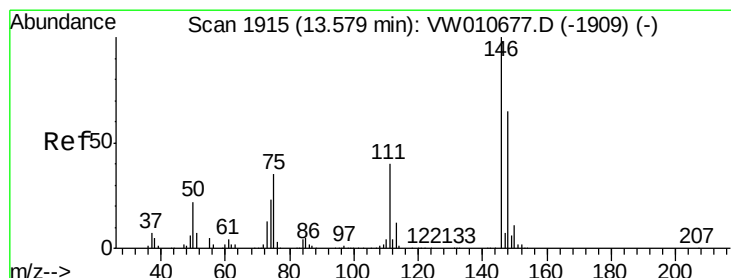
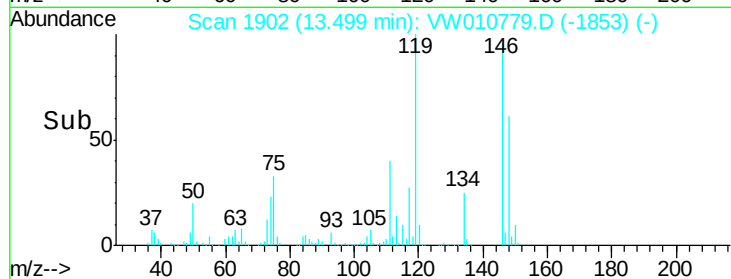
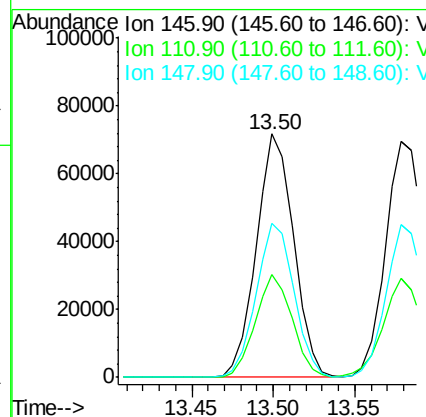
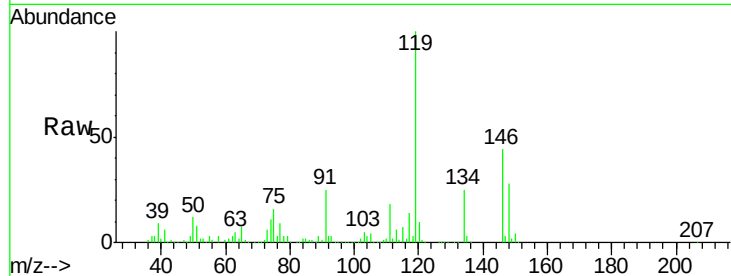
#87
 1,3-Dichlorobenzene
 Concen: 21.765 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114105		
111	41.5	20.4	61.3	
148	64.1	31.5	94.5	

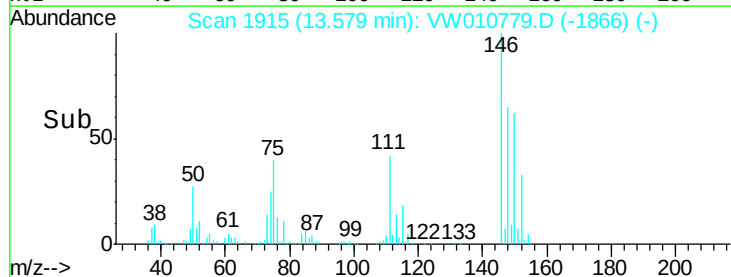
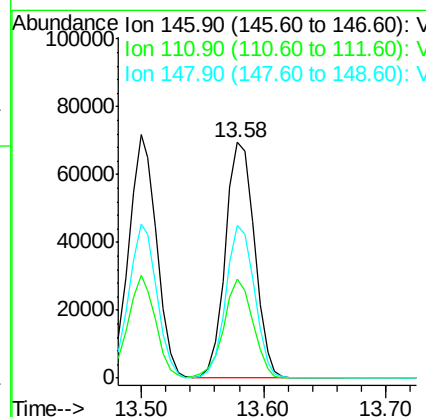
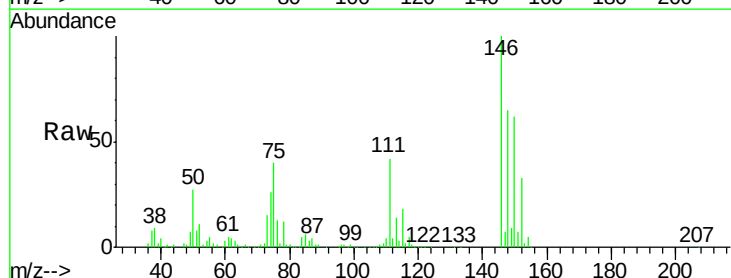
Manual Integrations
 APPROVED

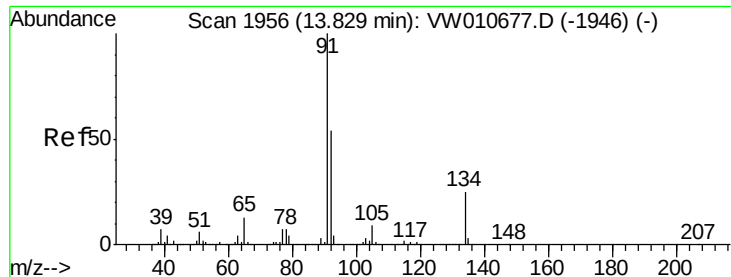
MMDadoda
 6/13/2019 11:32:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.061 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114662		
111	42.4	20.3	60.9	
148	63.8	32.4	97.2	





#89

n-Butylbenzene

Concen: 22.033 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

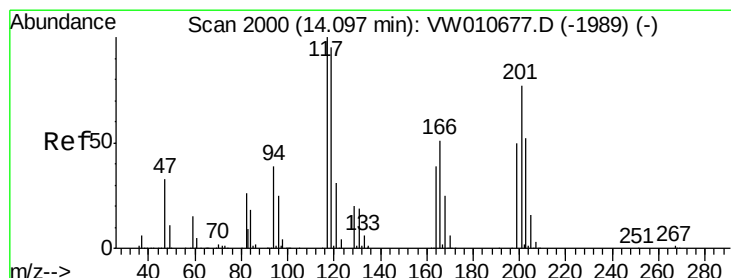
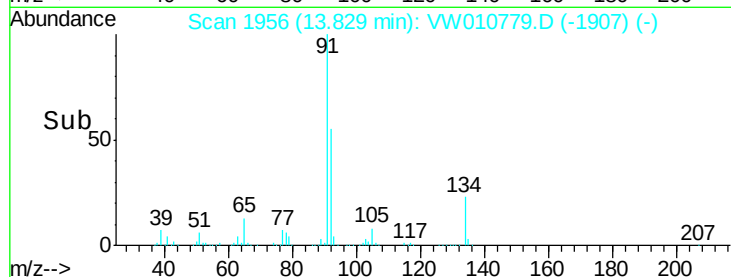
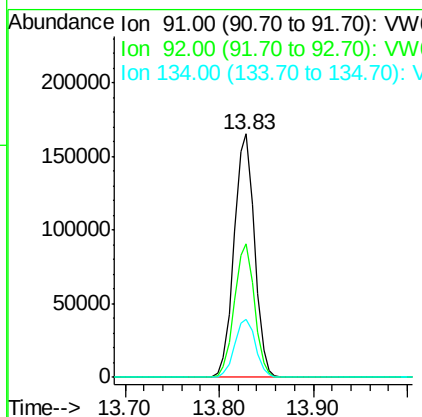
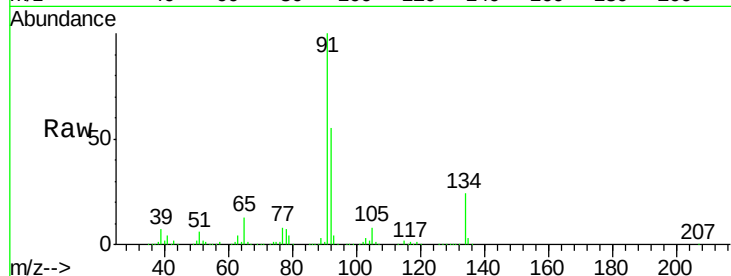
ClientSampleId :

VW0612SBSD01

Tot Ion:	91	Resp:	247624
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	24.5	12.3	36.9

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#90

Hexachloroethane

Concen: 21.441 ug/l

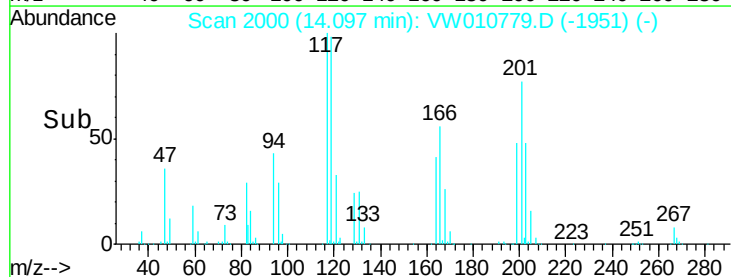
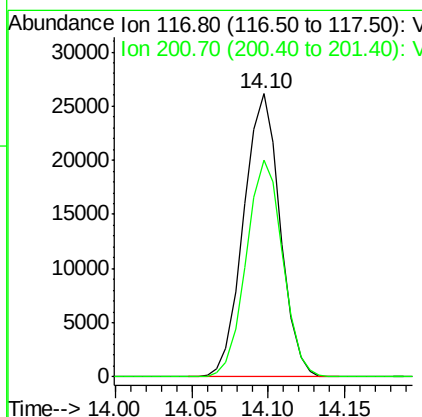
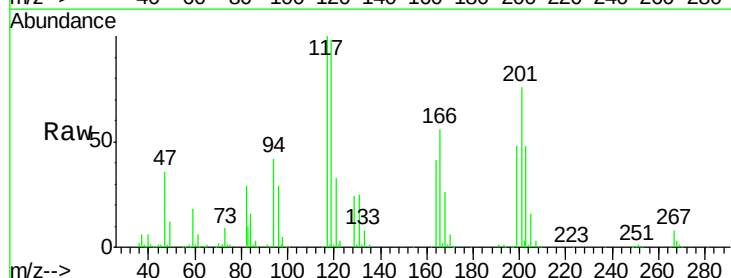
RT: 14.10 min Scan# 2000

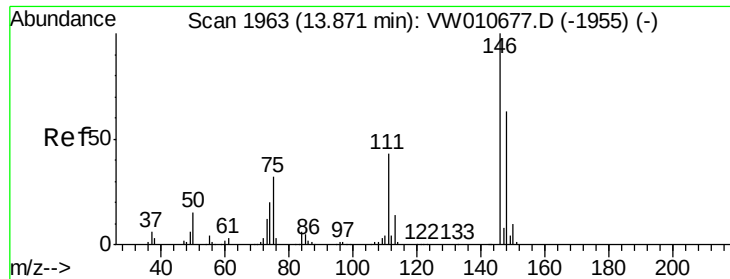
Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	117	Resp:	43251
Ion	Ratio	Lower	Upper
117	100		
201	76.7	38.8	116.4





#91

1,2-Dichlorobenzene

Concen: 21.891 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Instrument :

MSVOA_W

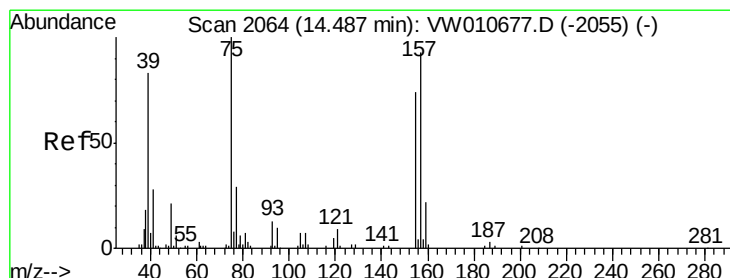
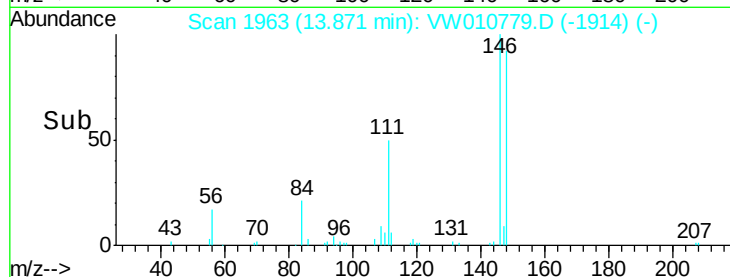
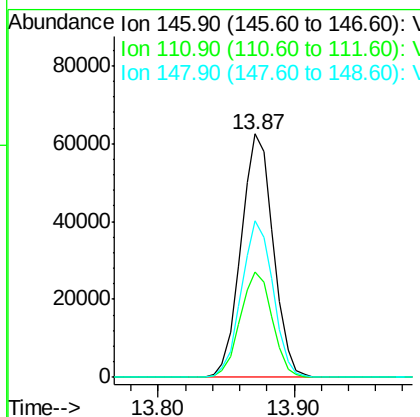
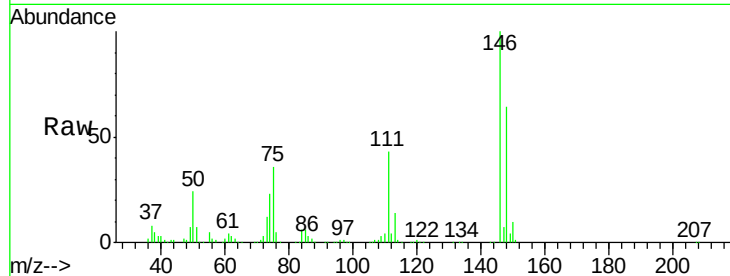
ClientSampleId :

VW0612SBSD01

Tot Ion:	146	Resp:	103208
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.5	64.5
148	63.2	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.125 ug/l

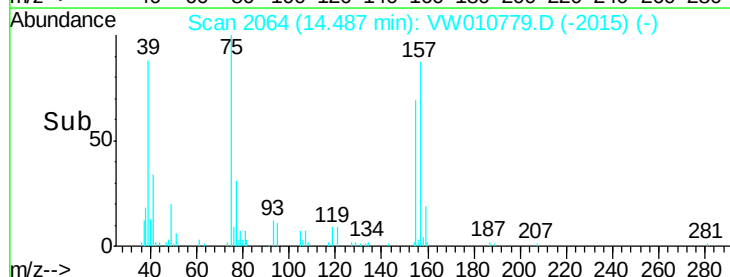
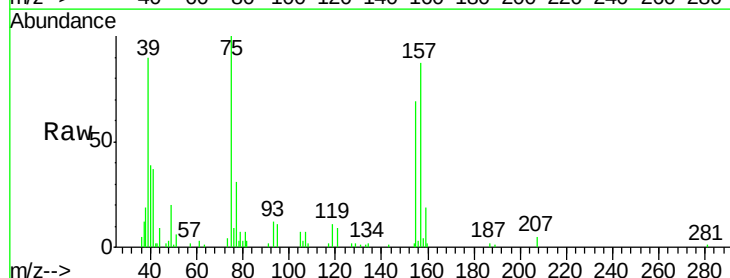
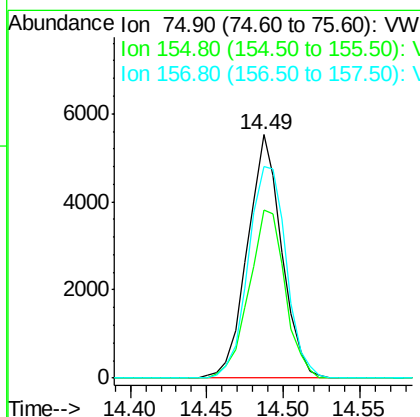
RT: 14.49 min Scan# 2064

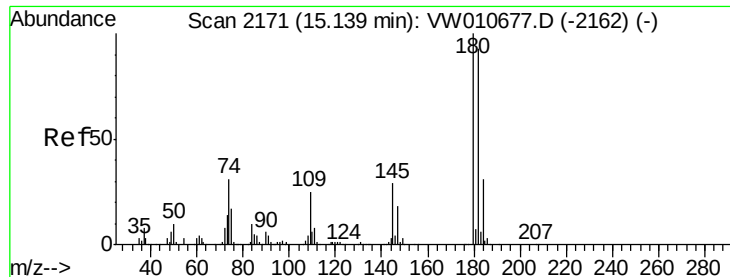
Delta R.T. 0.00 min

Lab File: VW010779.D

Acq: 12 Jun 2019 15:42

Tgt Ion:	75	Resp:	8601
Ion Ratio	Lower	Upper	
75	100		
155	72.8	38.8	116.4
157	96.4	48.4	145.0





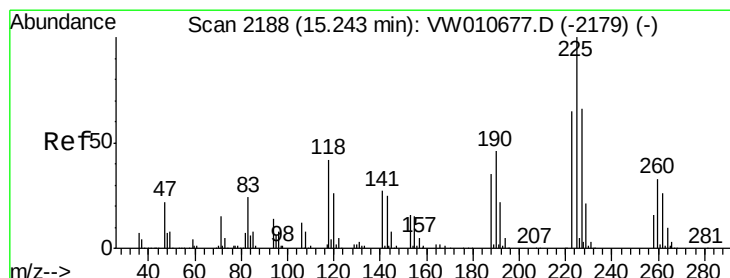
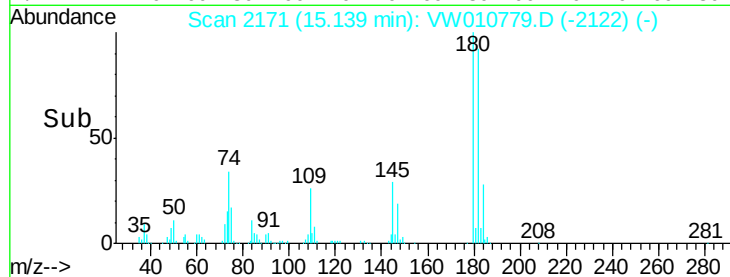
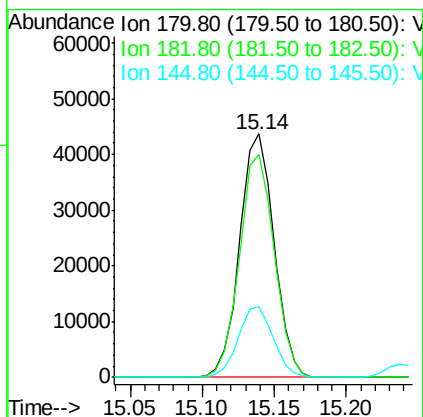
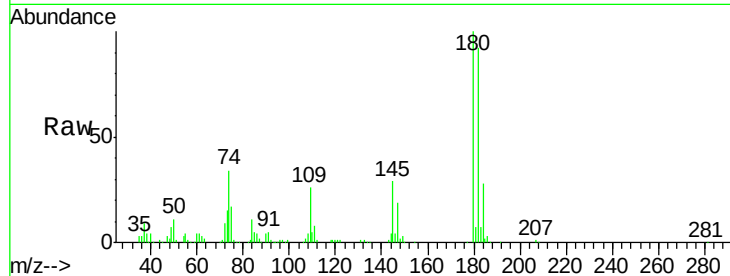
#93
 1,2,4-Trichlorobenzene
 Concen: 21.902 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0612SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.1	141.4
145	29.6	15.2	45.5

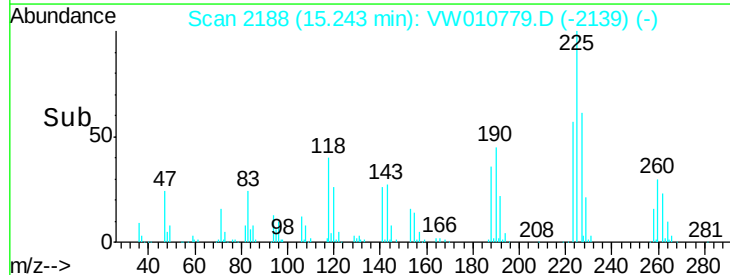
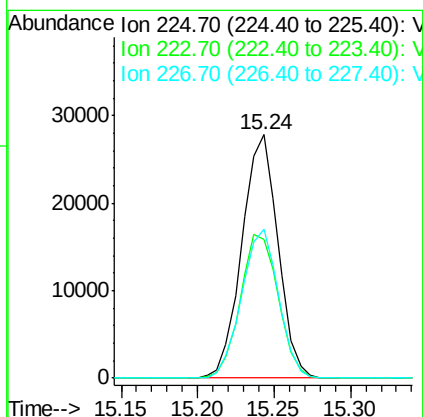
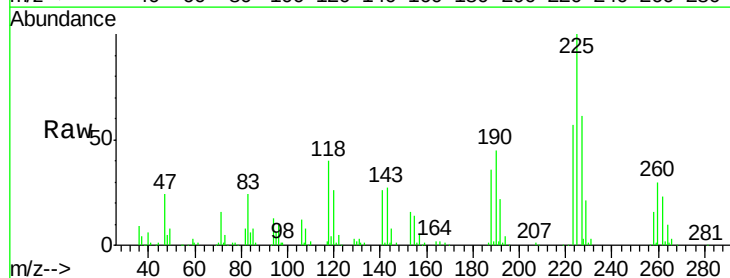
Manual Integrations
 APPROVED

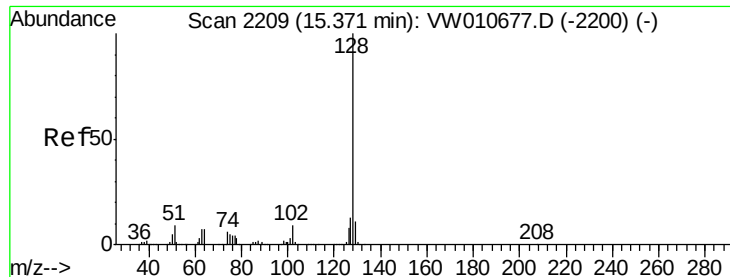
MMDadoda
 6/13/2019 11:32:15 AM



#94
 Hexachlorobutadiene
 Concen: 21.929 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010779.D
 Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.2	96.6
227	62.6	32.0	96.0





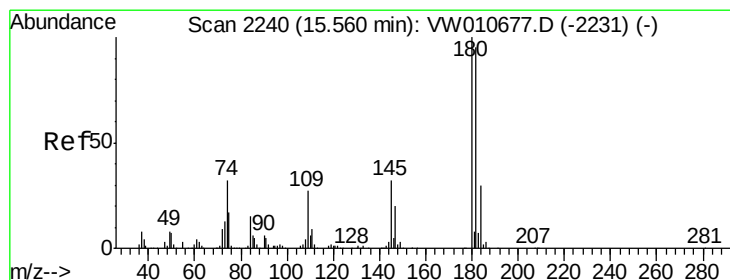
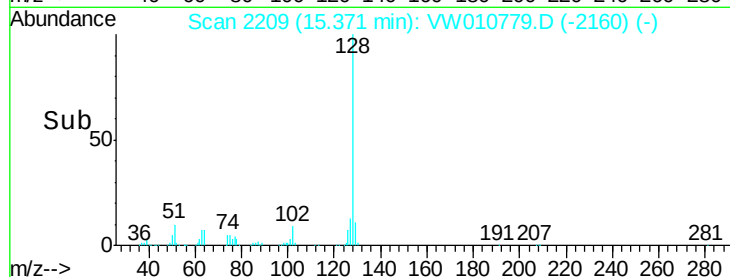
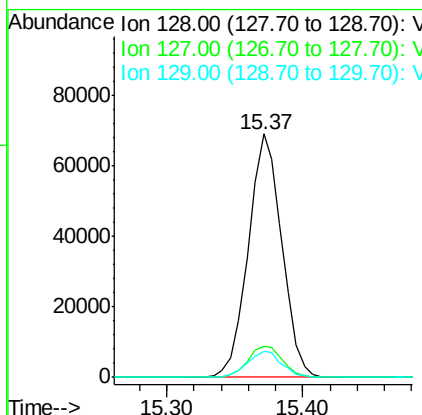
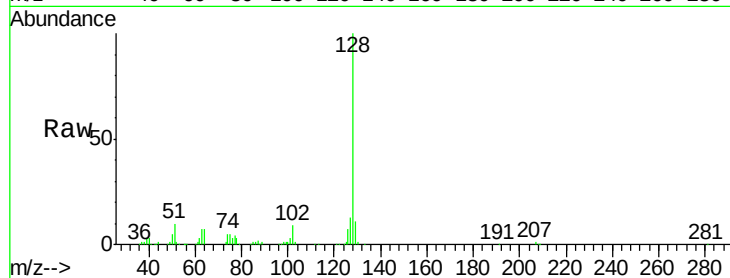
#95
Naphthalene
Concen: 19.858 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VW0612SBSD01

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

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.604 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010779.D
Acq: 12 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	32.5	16.1	48.3

