

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015660.D
 Acq On : 23 Jun 2020 14:40
 Operator : SY/VA
 Sample : VW0623SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:21 AM

Quant Time: Jun 24 03:45:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126369	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.88	113	109461	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.32	98	437581	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.62	95	166340	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	26590	19.872	ug/l	94
3) Chloromethane	2.21	50	31335	19.942	ug/l	100
4) Vinyl Chloride	2.37	62	47097	18.541	ug/l	99
5) Bromomethane	2.78	94	38352	20.542	ug/l	96
6) Chloroethane	2.92	64	32009	19.148	ug/l	99
7) Trichlorofluoromethane	3.26	101	32606	17.095	ug/l	96
8) Diethyl Ether	3.68	74	21262	19.302	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42771	19.025	ug/l	98
10) Methyl Iodide	4.27	142	60261	18.957	ug/l	99
11) Tert butyl alcohol	5.21	59	13847	77.025	ug/l	97
12) 1,1-Dichloroethene	4.04	96	41382	18.904	ug/l	98
13) Acrolein	3.89	56	17553	101.196	ug/l	98
14) Allyl chloride	4.67	41	67912	19.122	ug/l	99
15) Acrylonitrile	5.37	53	43621	95.981	ug/l	98
16) Acetone	4.14	43	47086	99.196	ug/l	98
17) Carbon Disulfide	4.38	76	113358	17.992	ug/l	98
18) Methyl Acetate	4.67	43	20697	18.120	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	65074	19.752	ug/l	99
20) Methylene Chloride	4.91	84	54825	21.070	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46999	18.726	ug/l	98
22) Diisopropyl ether	6.31	45	137359	19.446	ug/l	97
23) Vinyl Acetate	6.26	43	397813	96.574	ug/l	100
24) 1,1-Dichloroethane	6.21	63	83913	18.872	ug/l	100
25) 2-Butanone	7.18	43	61973	96.601	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56300	18.878	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51360	19.023	ug/l	100
28) Bromochloromethane	7.51	49	35484	20.746	ug/l	98
29) Tetrahydrofuran	7.54	42	36060	95.651	ug/l	98
30) Chloroform	7.68	83	86536	18.977	ug/l	98
31) Cyclohexane	7.96	56	78942	18.354	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	73223	18.837	ug/l	100
36) 1,1-Dichloropropene	8.09	75	68778	19.288	ug/l	99
37) Ethyl Acetate	7.26	43	26568	19.513	ug/l	98
38) Carbon Tetrachloride	8.07	117	66150	19.137	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015660.D
 Acq On : 23 Jun 2020 14:40
 Operator : SY/VA
 Sample : VW0623SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:21 AM

Quant Time: Jun 24 03:45:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81776	18.934	ug/l	98
40) Benzene	8.32	78	187543	19.342	ug/l	100
41) Methacrylonitrile	7.48	41	15468	19.795	ug/l	95
42) 1,2-Dichloroethane	8.40	62	59433	19.814	ug/l	100
43) Isopropyl Acetate	8.43	43	55350	20.371	ug/l	99
44) Trichloroethene	9.09	130	49761	19.040	ug/l	92
45) 1,2-Dichloropropane	9.37	63	46048	19.430	ug/l	97
46) Dibromomethane	9.46	93	24206	19.740	ug/l	98
47) Bromodichloromethane	9.65	83	61909	19.355	ug/l	97
48) Methyl methacrylate	9.44	41	24634	19.831	ug/l	98
49) 1,4-Dioxane	9.47	88	5979	371.689	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	131833	100.612	ug/l	99
52) Toluene	10.39	92	123798	19.774	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	59858	19.372	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	71530	19.378	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33553	19.680	ug/l	96
56) Ethyl methacrylate	10.65	69	42563	20.064	ug/l	95
57) 1,3-Dichloropropane	10.93	76	60184	19.912	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	111585	111.155	ug/l	99
59) 2-Hexanone	10.97	43	90650	101.620	ug/l	99
60) Dibromochloromethane	11.13	129	38055	19.154	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31759	19.488	ug/l	98
64) Tetrachloroethene	10.87	164	42663	19.211	ug/l	97
65) Chlorobenzene	11.66	112	129561	19.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44862	19.197	ug/l	99
67) Ethyl Benzene	11.73	91	243096	19.599	ug/l	99
68) m/p-Xylenes	11.84	106	182749	39.237	ug/l	98
69) o-Xylene	12.16	106	84635	19.763	ug/l	99
70) Styrene	12.18	104	142386	19.460	ug/l	99
71) Bromoform	12.35	173	20186	18.774	ug/l #	96
73) Isopropylbenzene	12.46	105	236231	19.515	ug/l	99
74) N-amyl acetate	12.27	43	51054	19.895	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	38068	19.657	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28224m	19.499	ug/l	
77) Bromobenzene	12.75	156	52443	19.429	ug/l	98
78) n-propylbenzene	12.80	91	282741	19.404	ug/l	98
79) 2-Chlorotoluene	12.90	91	162558	19.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	204586	19.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10825	18.846	ug/l	94
82) 4-Chlorotoluene	12.99	91	172614	19.887	ug/l	100
83) tert-Butylbenzene	13.21	119	168285	19.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	203928	19.936	ug/l	99
85) sec-Butylbenzene	13.38	105	245404	19.813	ug/l	99
86) p-Isopropyltoluene	13.50	119	226953	20.167	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	109367	20.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106938	20.150	ug/l	97
89) n-Butylbenzene	13.82	91	217406	20.124	ug/l	99
90) Hexachloroethane	14.10	117	39184	19.566	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	93234	20.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6212	20.032	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062320\
Data File : VW015660.D
Acq On : 23 Jun 2020 14:40
Operator : SY/VA
Sample : VW0623SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

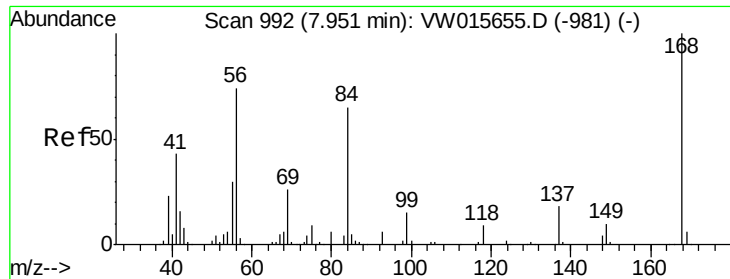
Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM

Quant Time: Jun 24 03:45:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60926	19.914	ug/l	97
94) Hexachlorobutadiene	15.24	225	36063	18.502	ug/l	96
95) Naphthalene	15.37	128	102248	20.206	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53932	20.474	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion:168 Resp: 224416

Ion Ratio Lower Upper

168 100

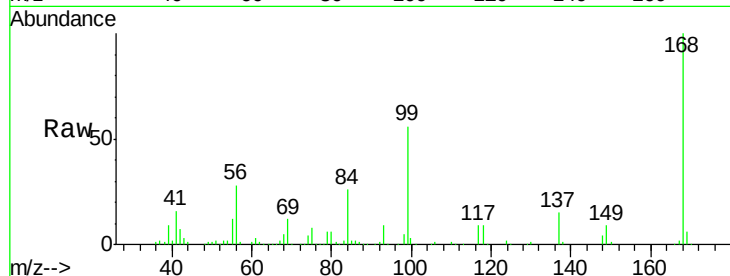
99 56.1 48.6 73.0

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 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

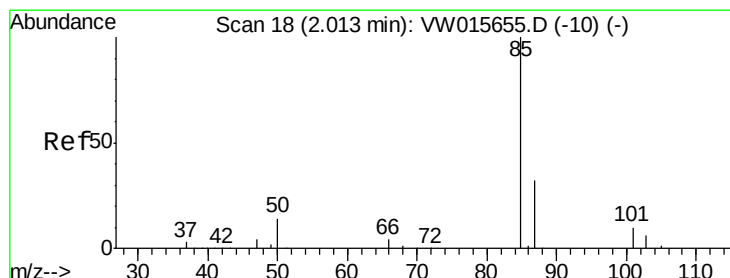
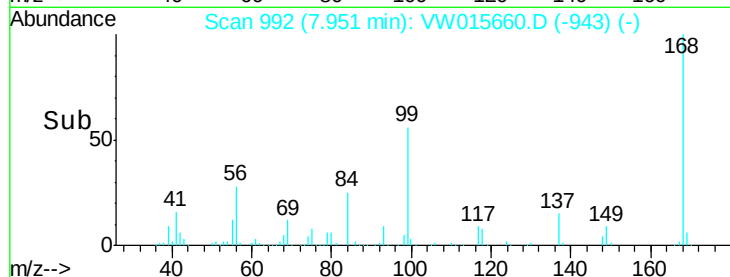
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.872 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015660.D

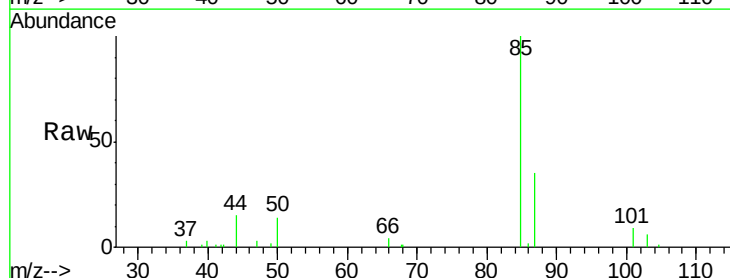
Acq: 23 Jun 2020 14:40

Tgt Ion: 85 Resp: 26590

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

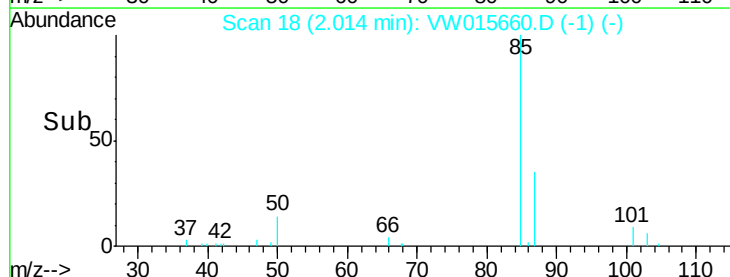
6000

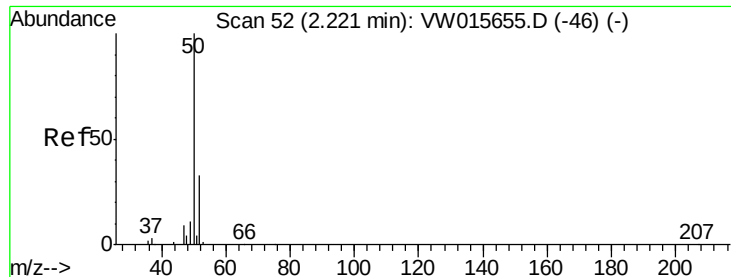
4000

2000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 19.942 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 50 Resp: 31335

Ion Ratio Lower Upper

50 100

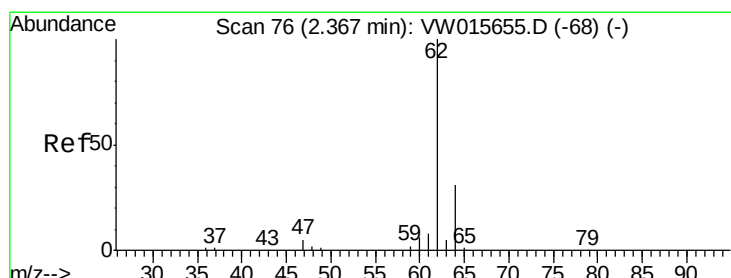
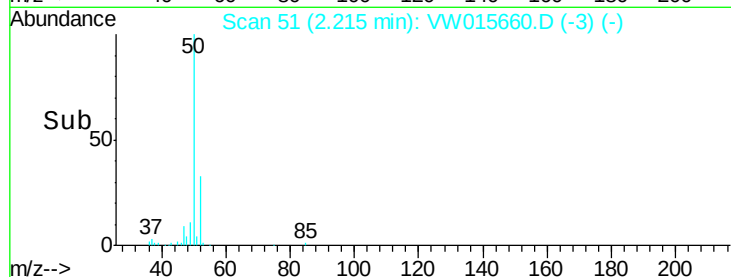
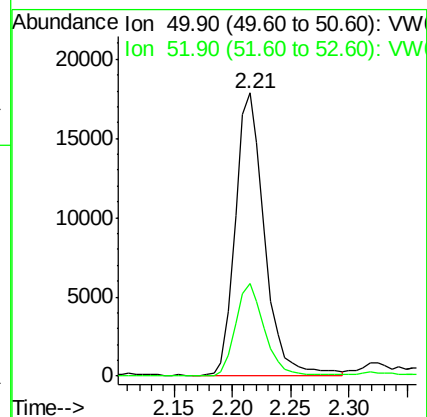
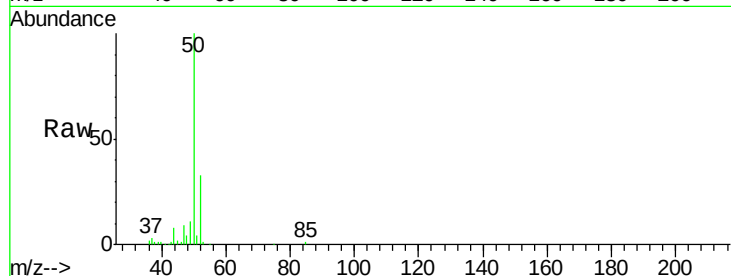
52 32.6 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



#4

Vinyl Chloride

Concen: 18.541 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015660.D

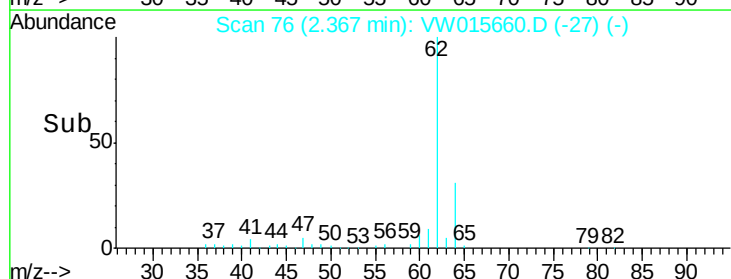
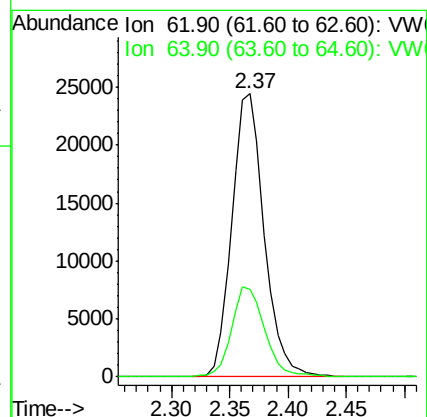
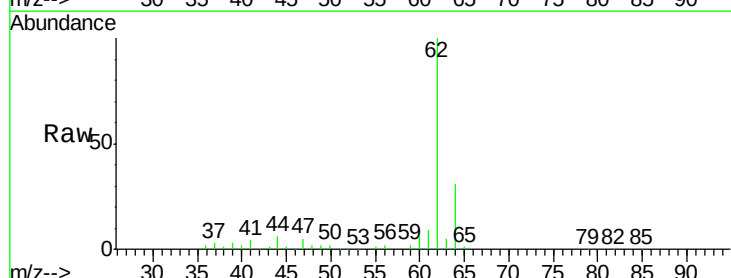
Acq: 23 Jun 2020 14:40

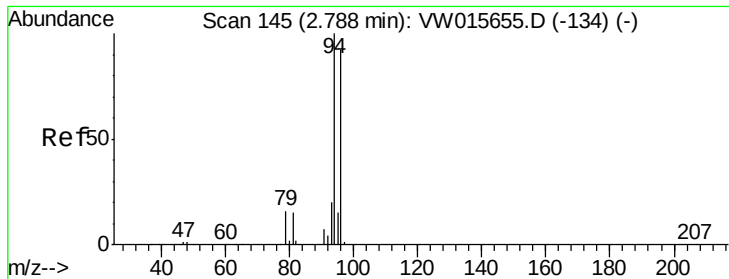
Tgt Ion: 62 Resp: 47097

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7





#5

Bromomethane

Concen: 20.542 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 94 Resp: 38352

Ion Ratio Lower Upper

94 100

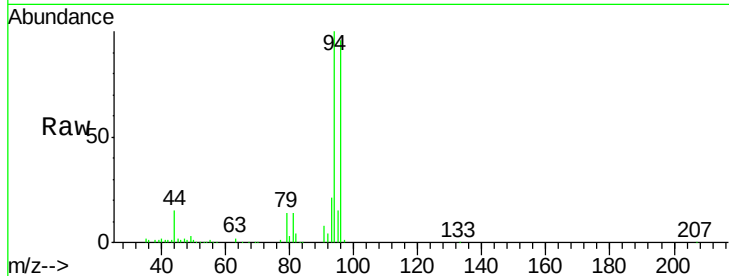
96 95.9 73.8 110.6

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

20000

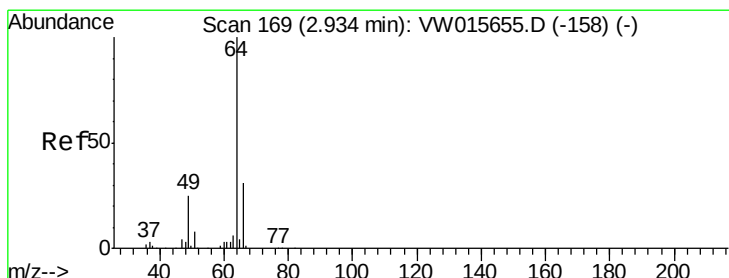
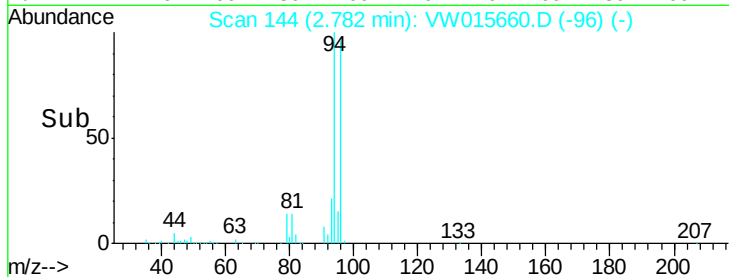
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.148 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015660.D

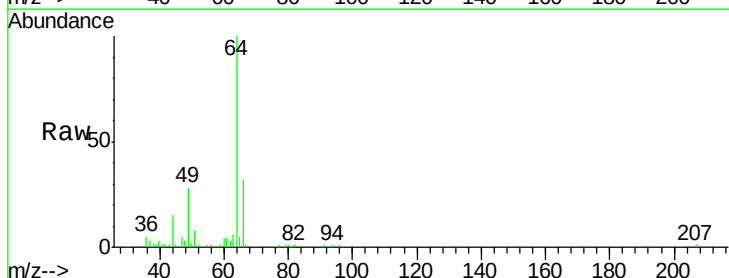
Acq: 23 Jun 2020 14:40

Tgt Ion: 64 Resp: 32009

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

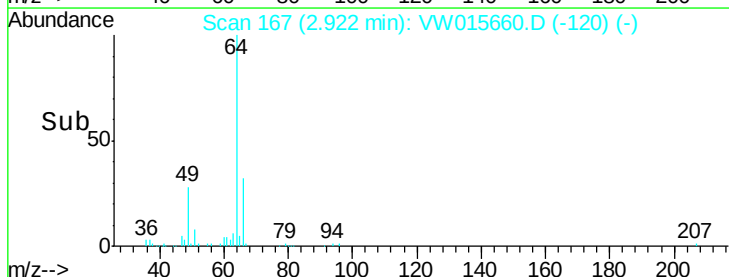
15000

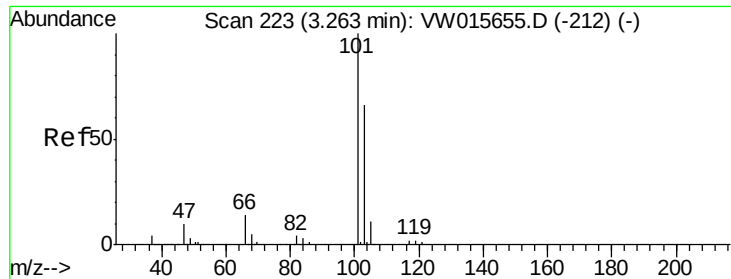
10000

5000

0

Time-->





#7

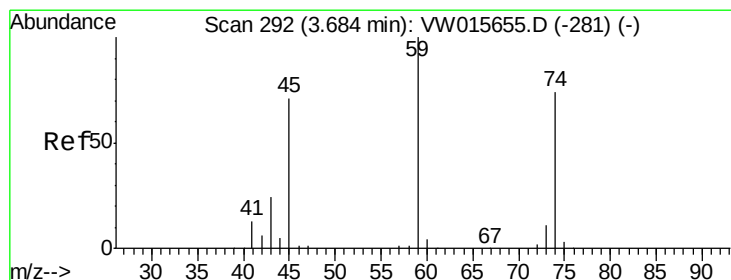
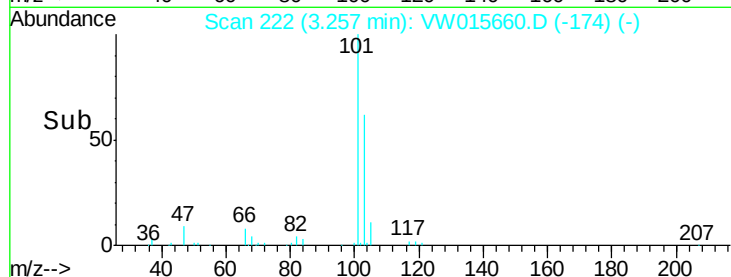
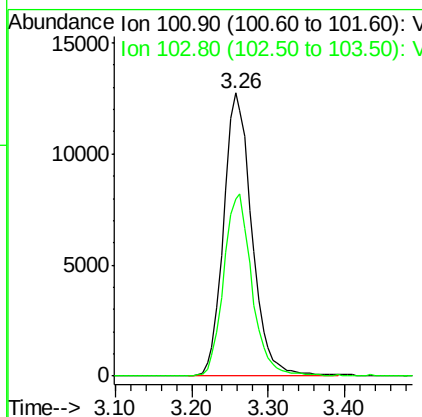
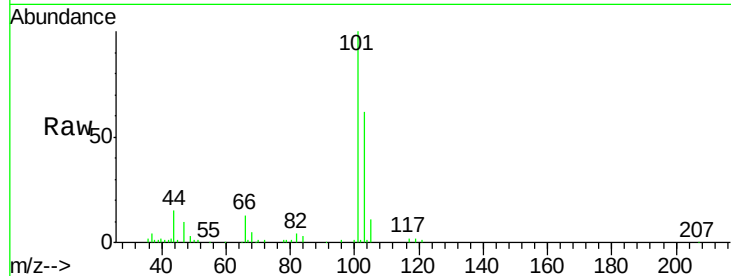
Trichlorofluoromethane
Concen: 17.095 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.6	78.8

Manual Integrations
APPROVED

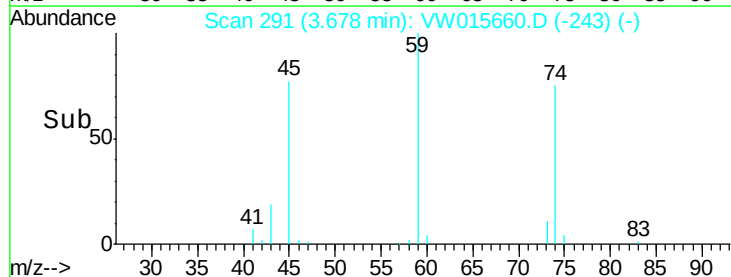
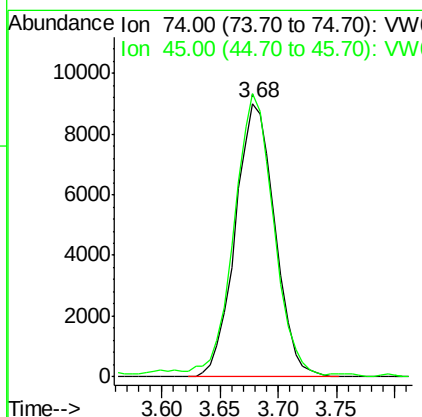
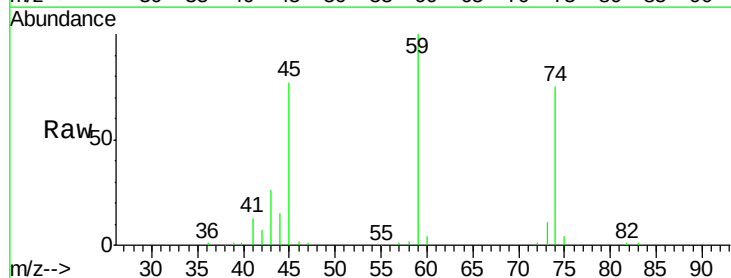
MMDadoda
6/24/2020 10:58:21 AM

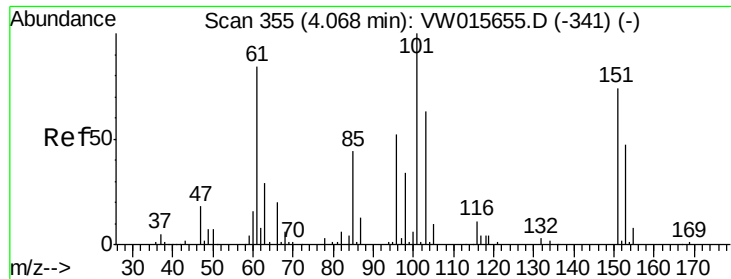


#8

Diethyl Ether
Concen: 19.302 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.025 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

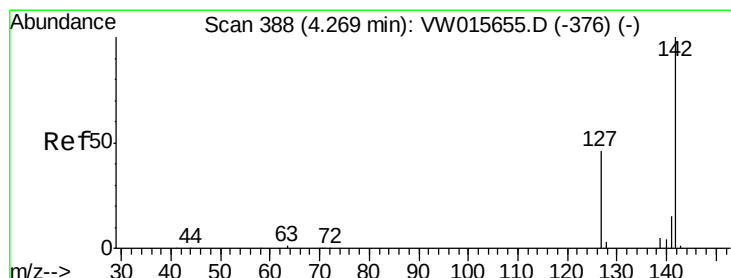
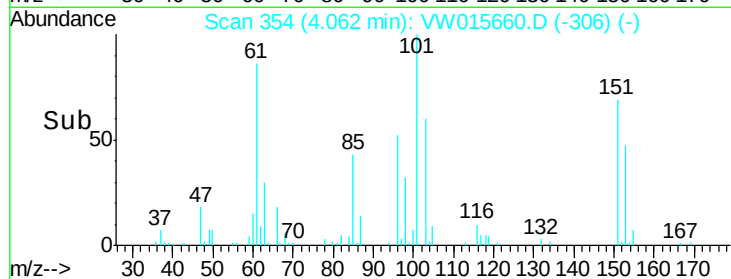
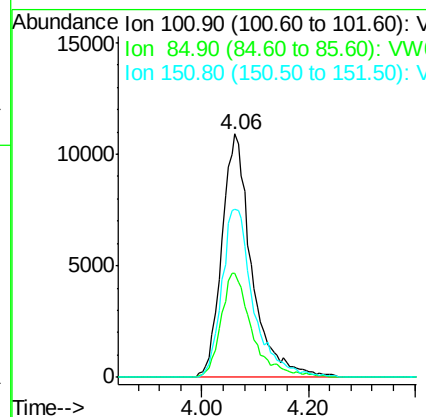
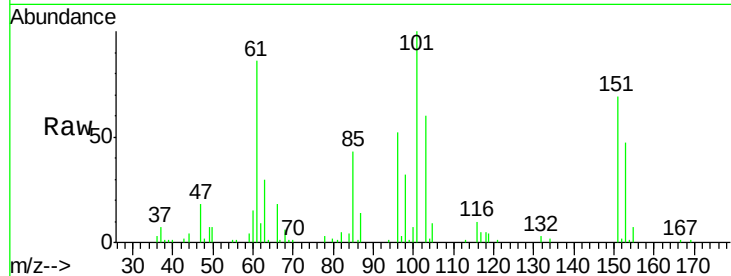
ClientSampled :

VW0623SBS01

Tot Ion:	101	Resp:	42771
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.6	55.0
151	73.2	60.4	90.6

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#10

Methyl Iodide

Concen: 18.957 ug/l

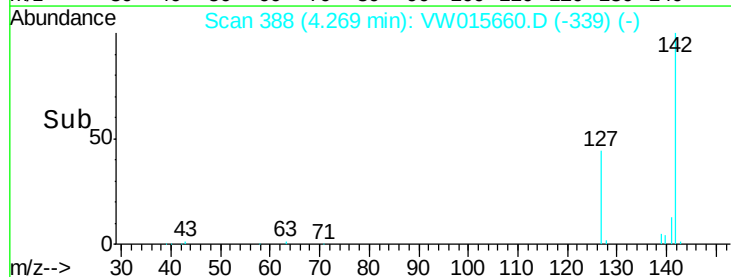
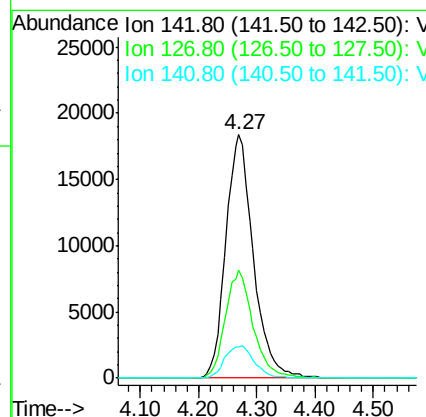
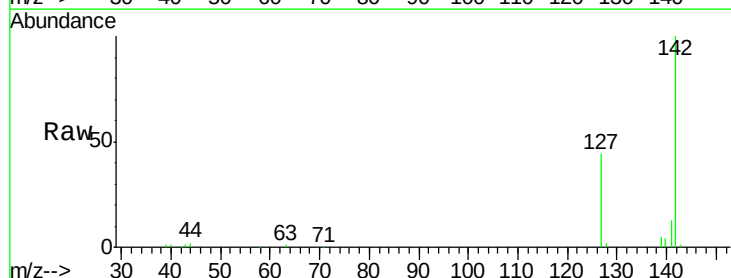
RT: 4.27 min Scan# 388

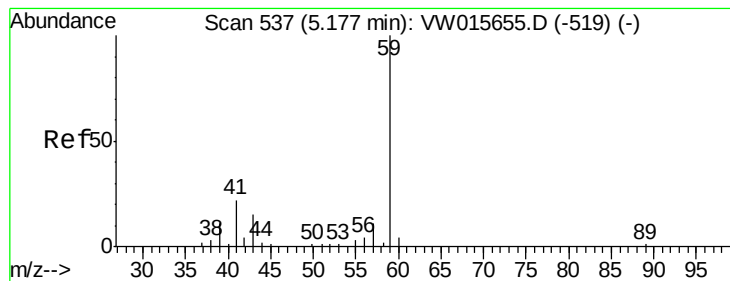
Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	142	Resp:	60261
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.4	54.6
141	14.3	11.6	17.4





#11

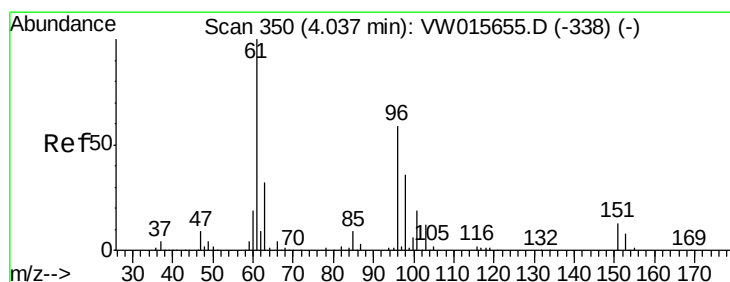
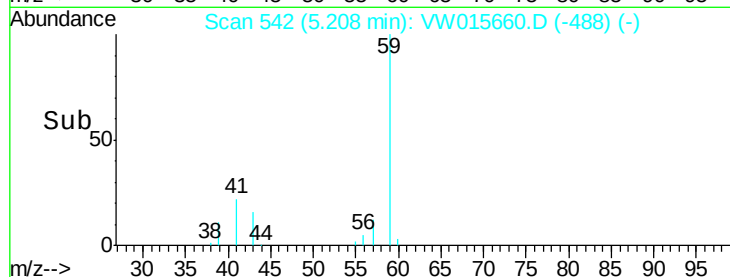
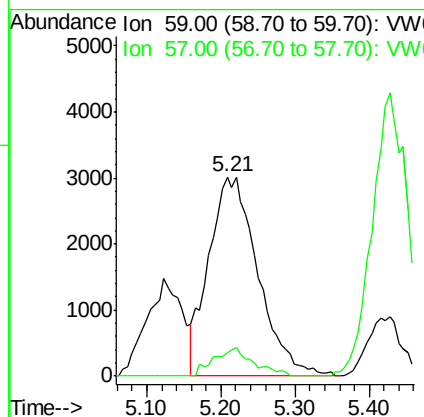
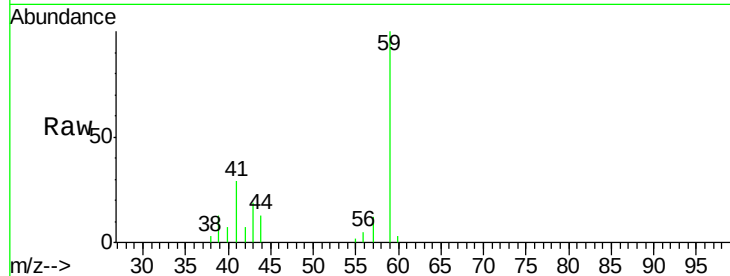
Tert butyl alcohol
 Concen: 77.025 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.4	12.6

Manual Integrations
 APPROVED

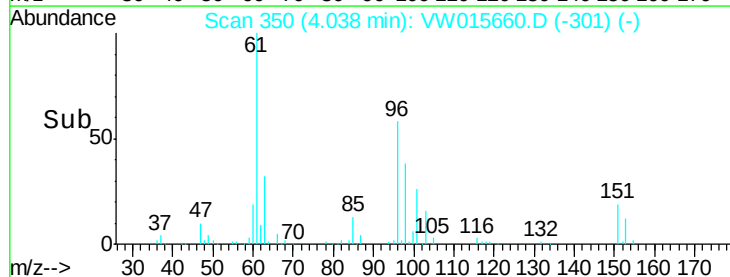
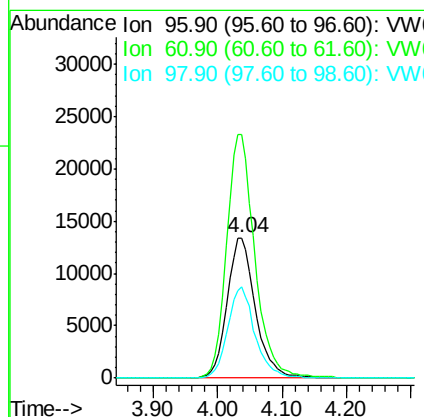
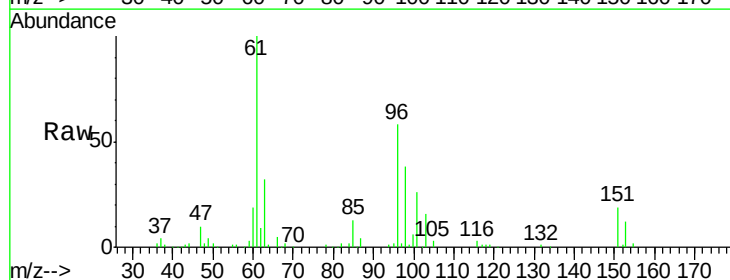
MMDadoda
 6/24/2020 10:58:21 AM

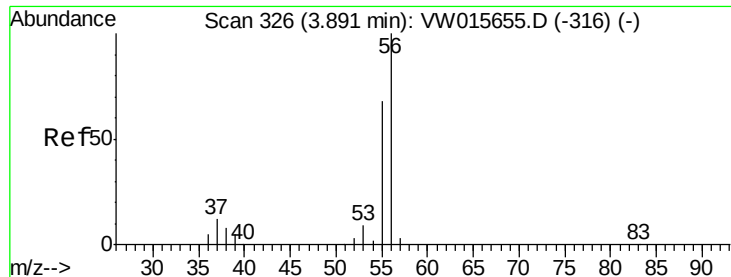


#12

1,1-Dichloroethene
 Concen: 18.904 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	136.7	205.1
98	65.0	49.2	73.8





#13

Acrolein

Concen: 101.196 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 56 Resp: 17553

Ion Ratio Lower Upper

56 100

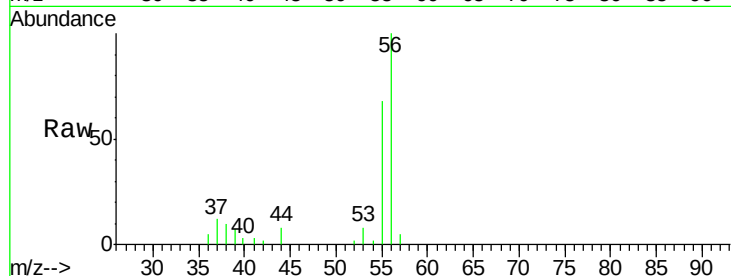
55 71.5 56.2 84.2

Manual Integrations

APPROVED

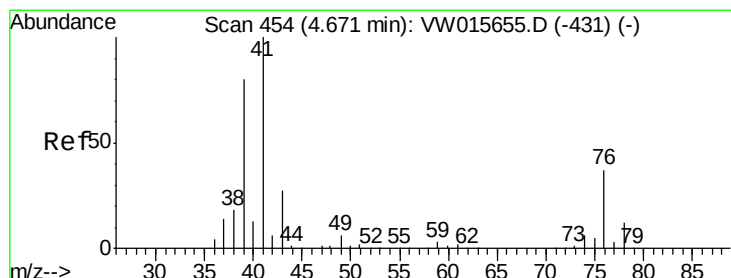
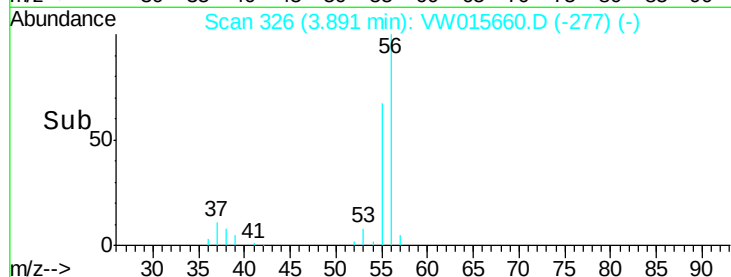
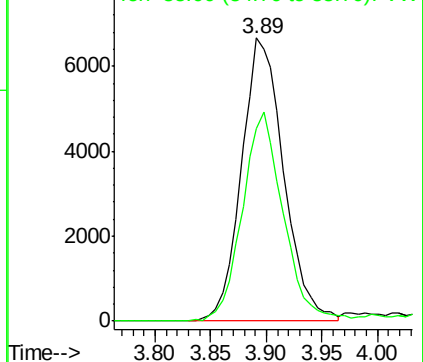
MMDadoda

6/24/2020 10:58:21 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.122 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

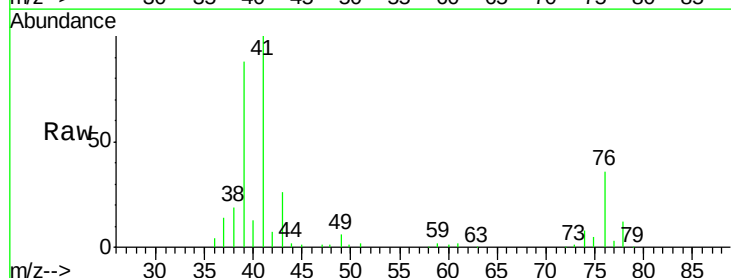
Tgt Ion: 41 Resp: 67912

Ion Ratio Lower Upper

41 100

39 80.7 64.6 97.0

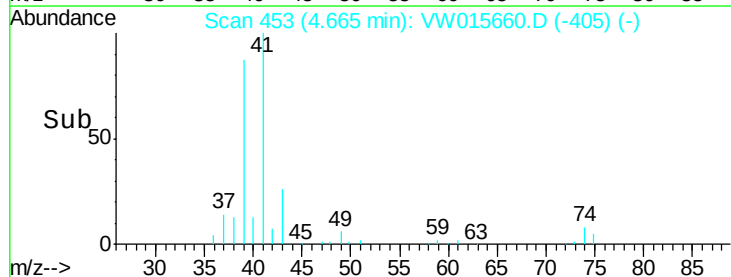
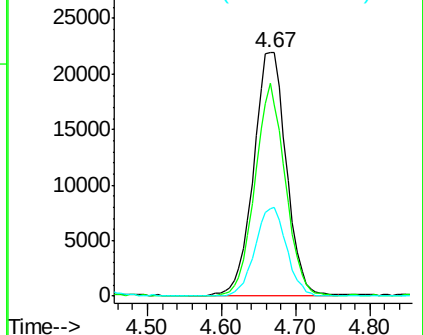
76 35.0 29.1 43.7

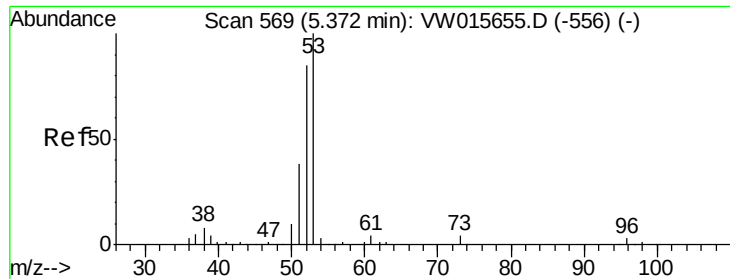


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 95.981 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

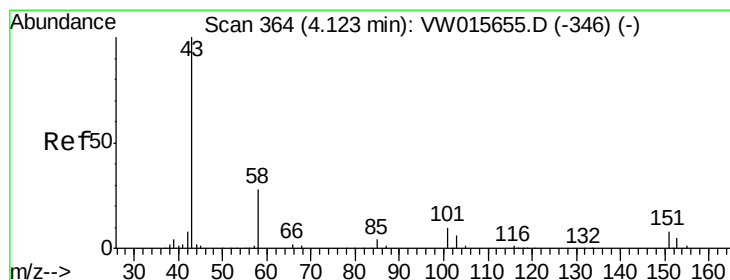
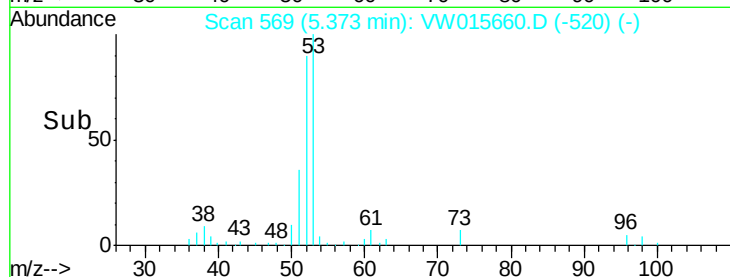
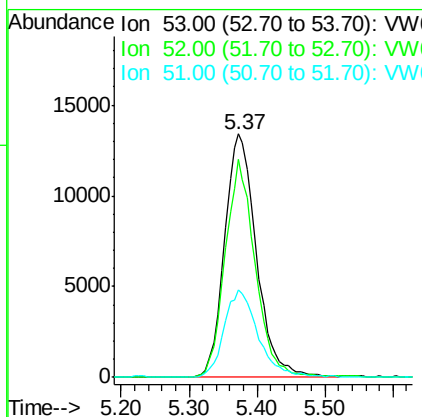
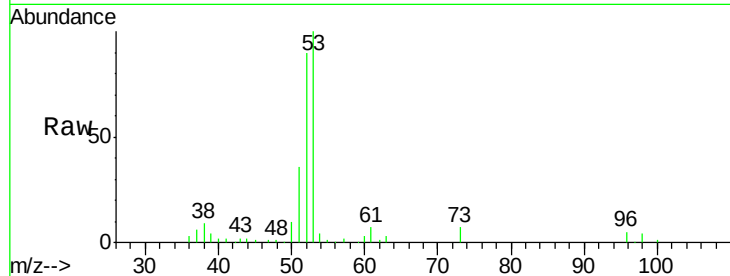
ClientSampleId :

VW0623SBS01

Tot Ion:	53	Resp:	43621
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.8	98.6
51	38.1	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#16

Acetone

Concen: 99.196 ug/l

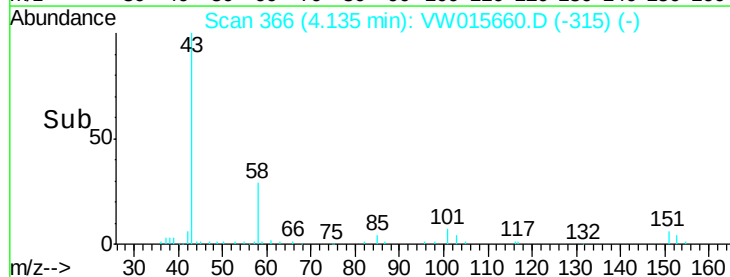
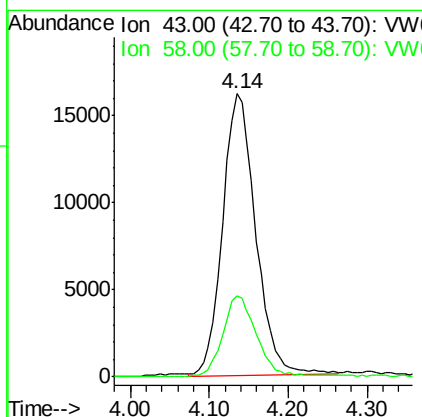
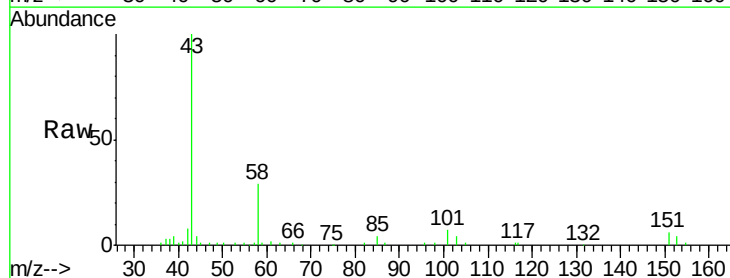
RT: 4.14 min Scan# 366

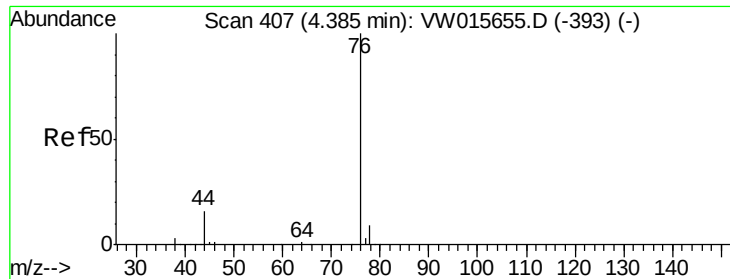
Delta R.T. 0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	43	Resp:	47086
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.6	33.8





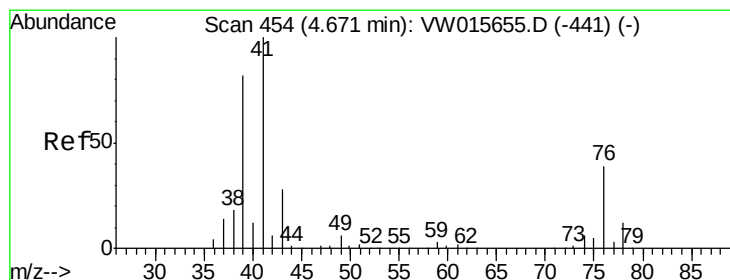
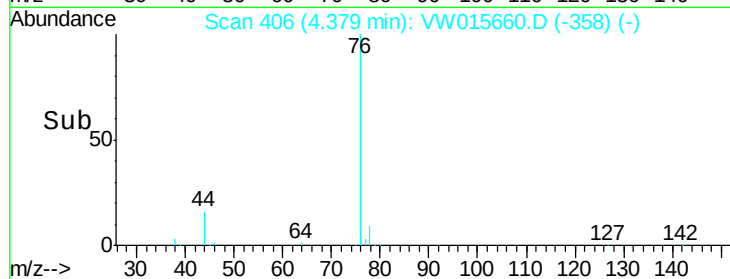
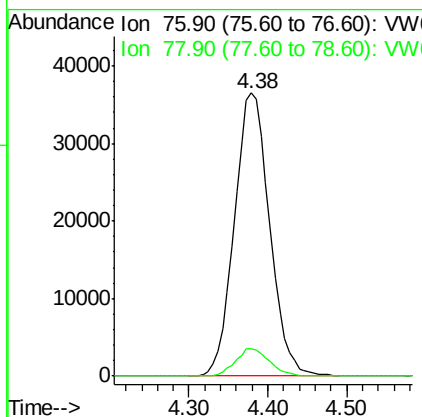
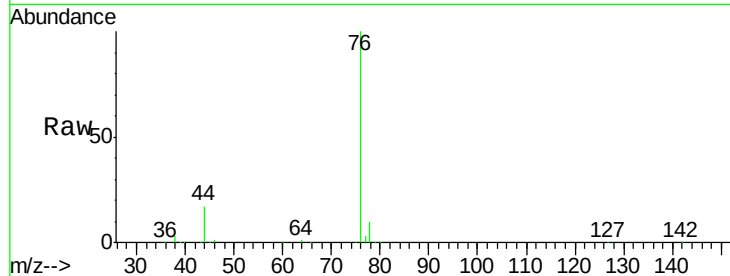
#17
Carbon Disulfide
Concen: 17.992 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

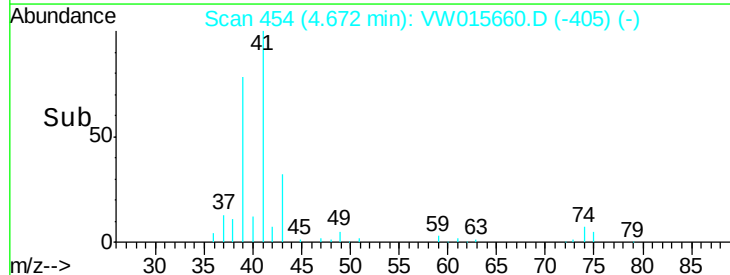
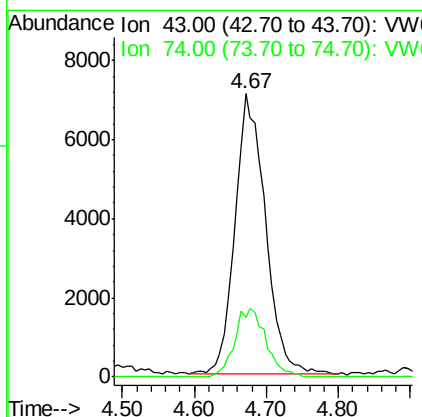
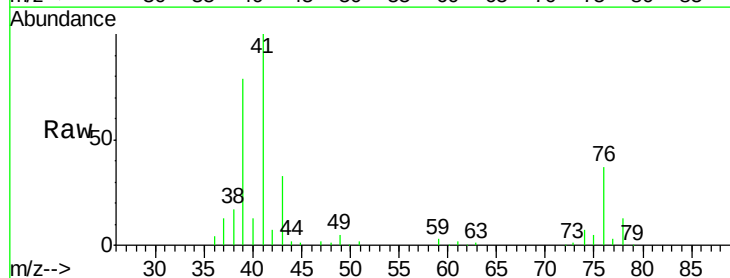
Manual Integrations
APPROVED

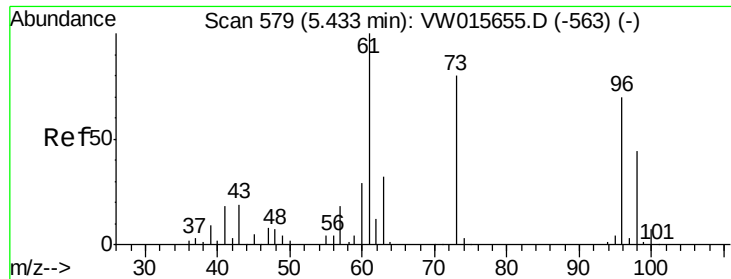
MMDadoda
6/24/2020 10:58:21 AM



#18
Methyl Acetate
Concen: 18.120 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.0	28.6





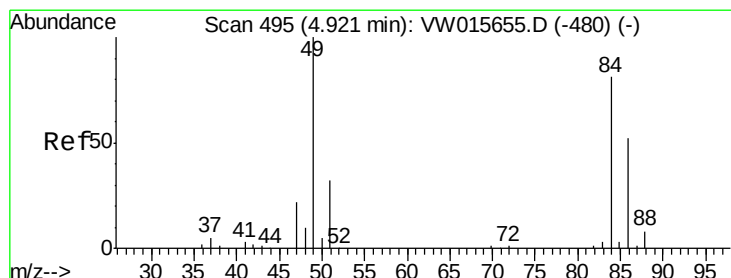
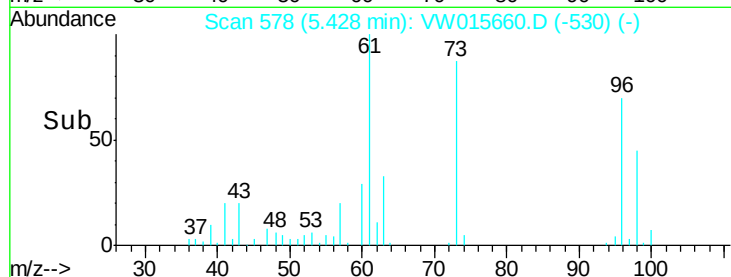
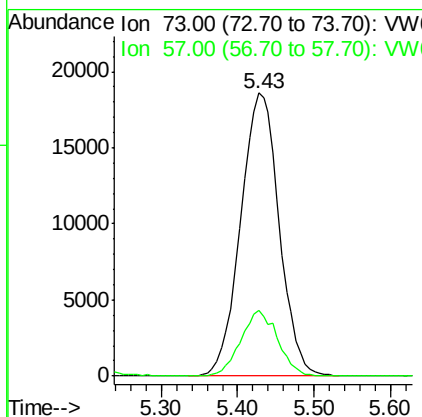
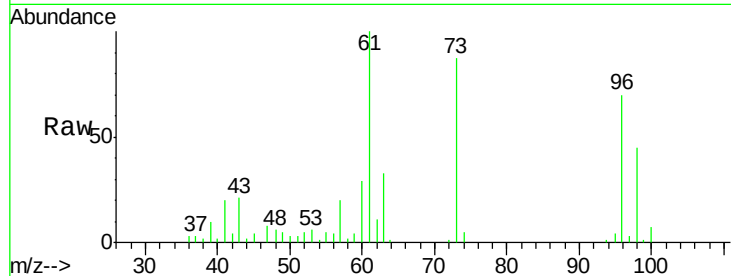
#19
Methyl tert-butyl Ether
Concen: 19.752 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 73 Resp: 65074
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1

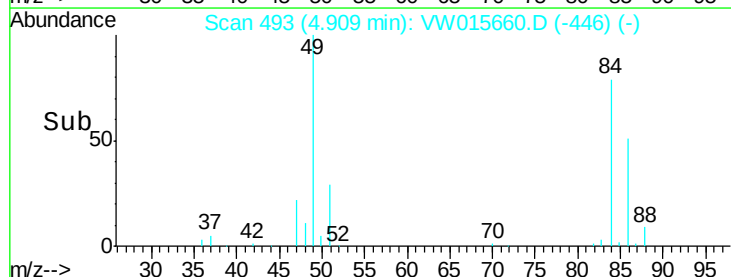
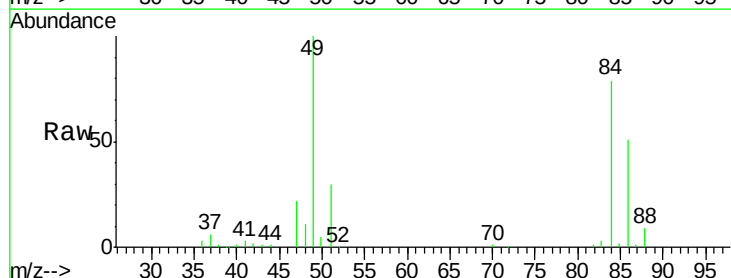
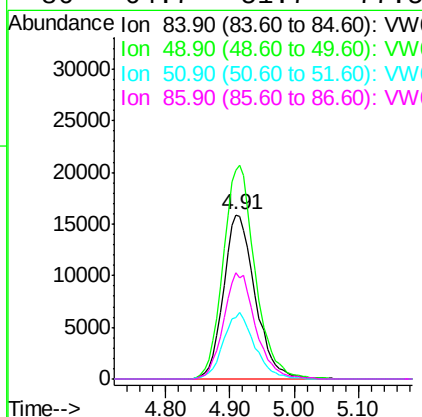
Manual Integrations
APPROVED

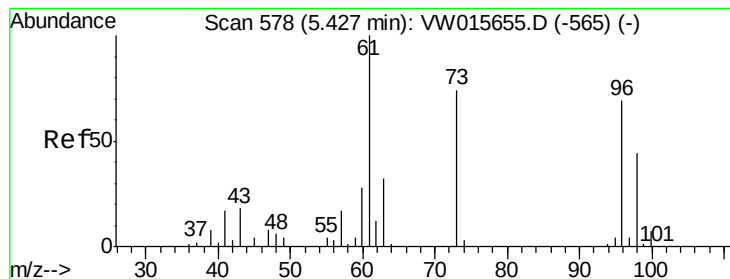
MMDadoda
6/24/2020 10:58:21 AM



#20
Methylene Chloride
Concen: 21.070 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion: 84 Resp: 54825
Ion Ratio Lower Upper
84 100
49 127.4 99.3 148.9
51 37.6 31.8 47.6
86 64.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 18.726 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 96 Resp: 46999

Ion Ratio Lower Upper

96 100

61 142.1 116.2 174.2

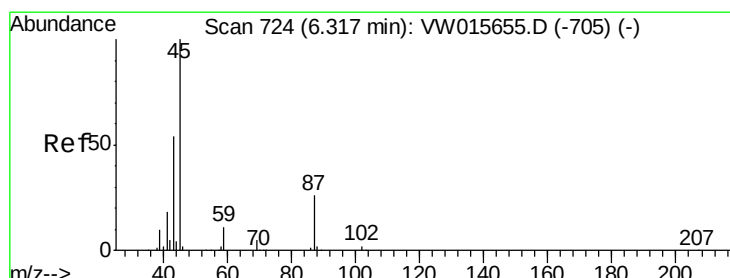
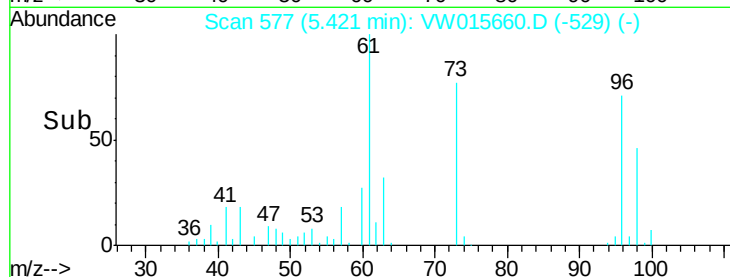
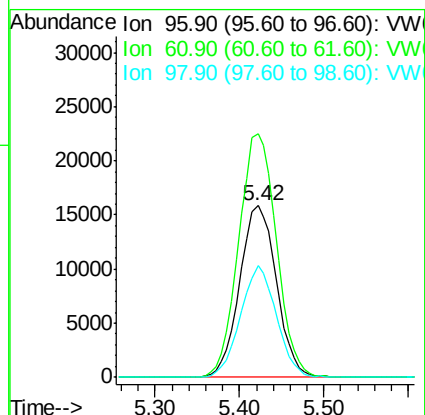
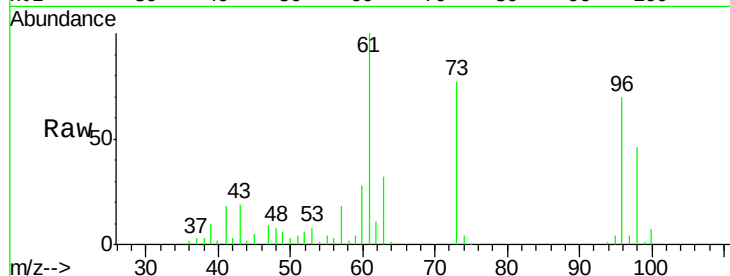
98 64.9 51.4 77.0

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



#22

Diisopropyl ether

Concen: 19.446 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion: 45 Resp: 137359

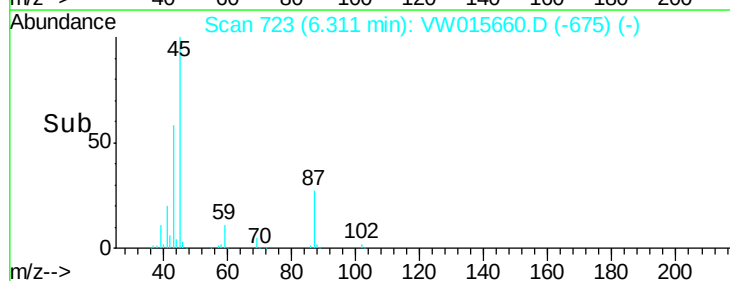
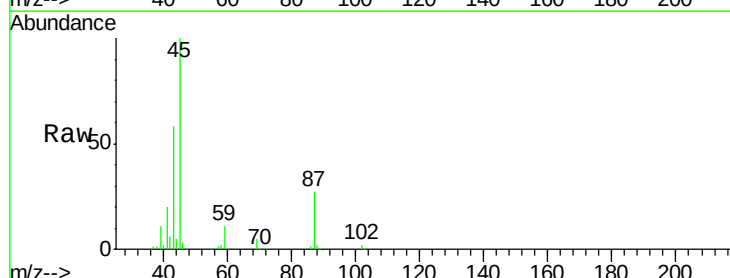
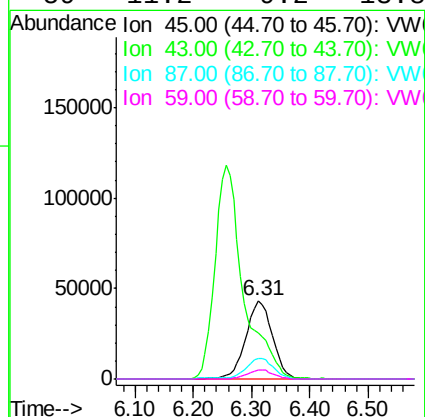
Ion Ratio Lower Upper

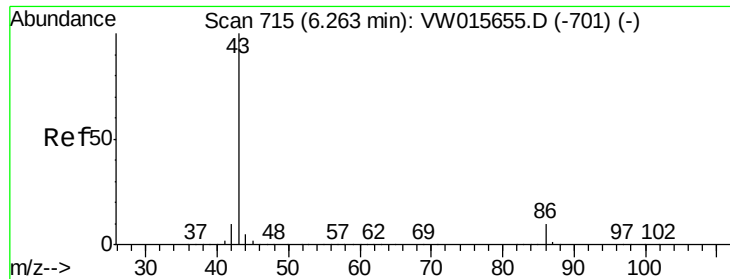
45 100

43 58.0 43.9 65.9

87 27.0 21.2 31.8

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 96.574 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 43 Resp: 397813

Ion Ratio Lower Upper

43 100

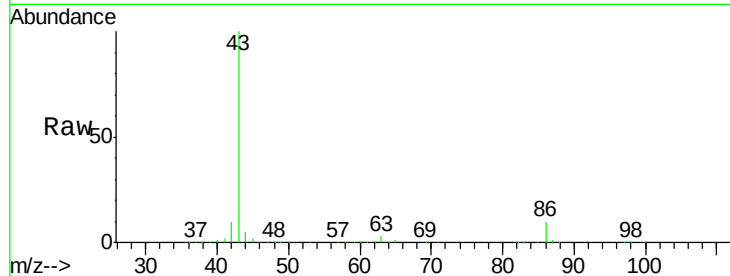
86 10.3 8.3 12.5

Manual Integrations

APPROVED

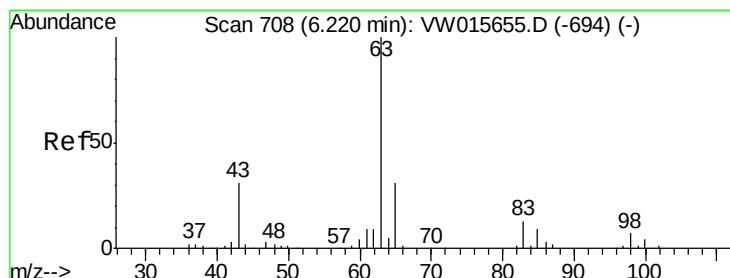
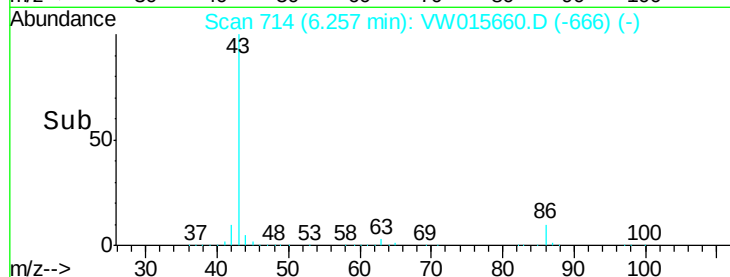
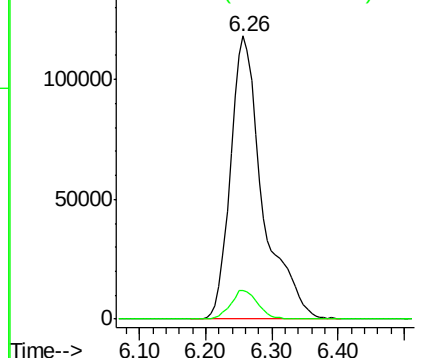
MMDadoda

6/24/2020 10:58:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 18.872 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

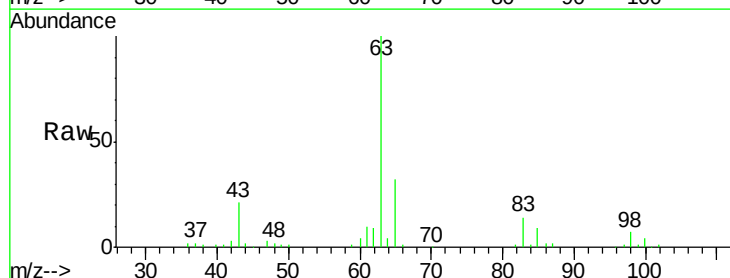
Tgt Ion: 63 Resp: 83913

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

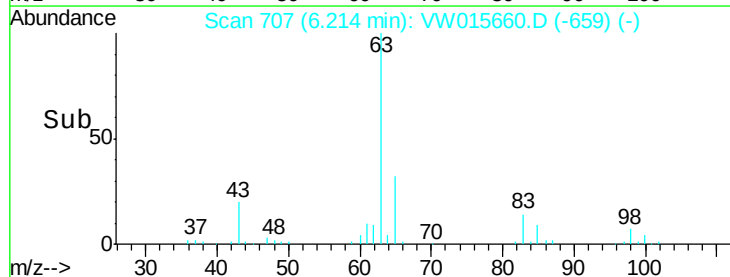
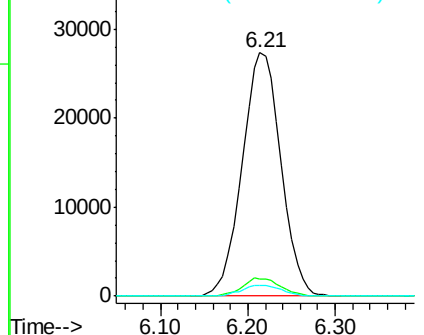
100 4.4 2.1 6.3

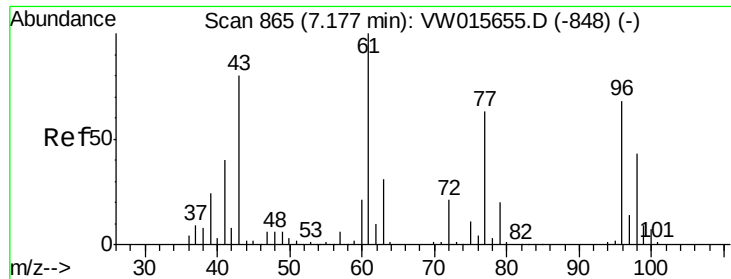


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 96.601 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tot Ion: 43 Resp: 61973

Ion Ratio Lower Upper

43 100

72 26.2 21.1 31.7

Instrument :

MSVOA_W

ClientSampleId :

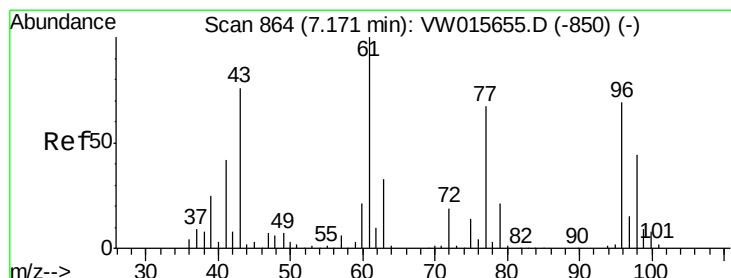
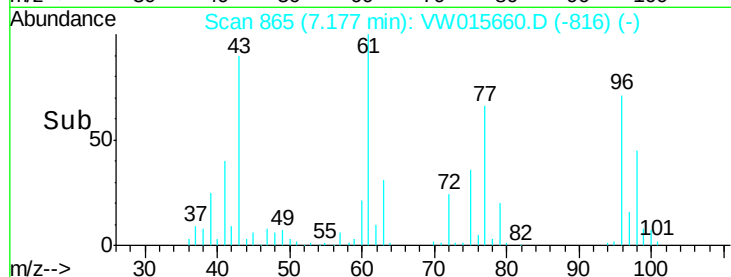
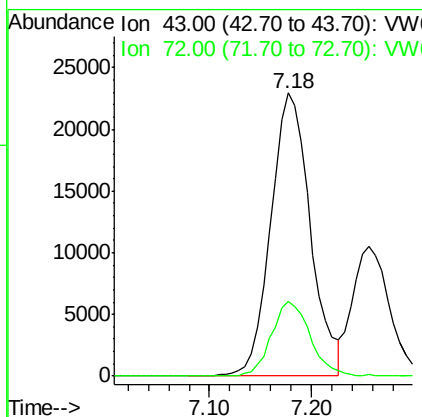
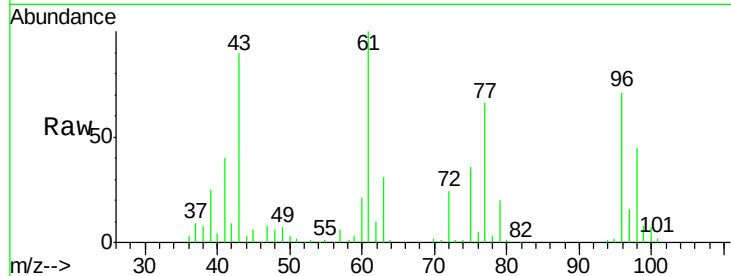
VW0623SBS01

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



#26

2,2-Dichloropropane

Concen: 18.878 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015660.D

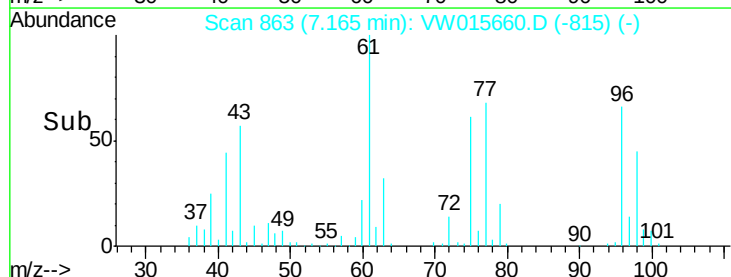
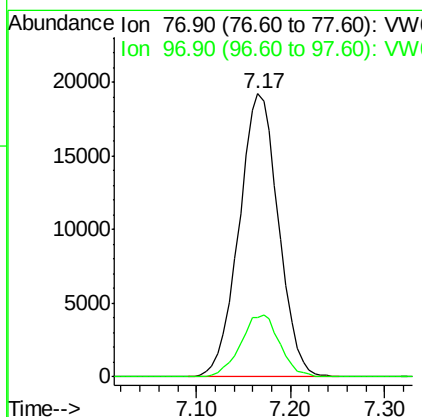
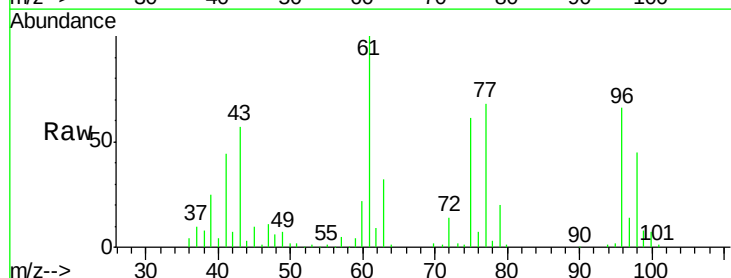
Acq: 23 Jun 2020 14:40

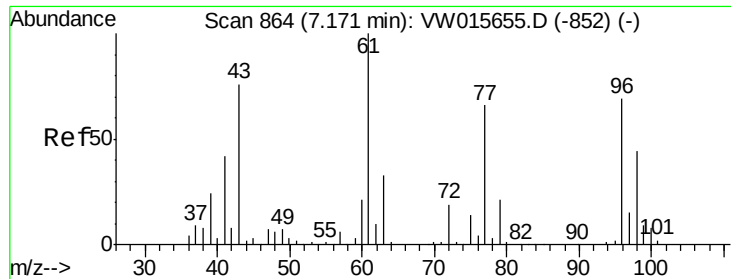
Tgt Ion: 77 Resp: 56300

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.5





#27

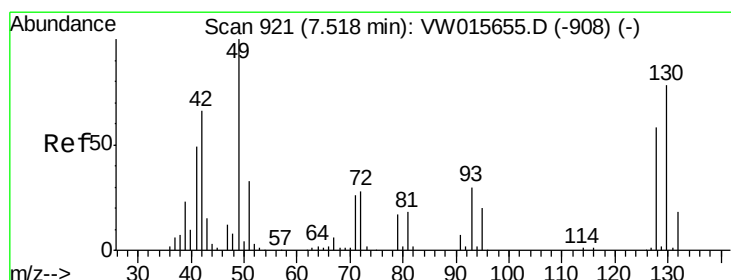
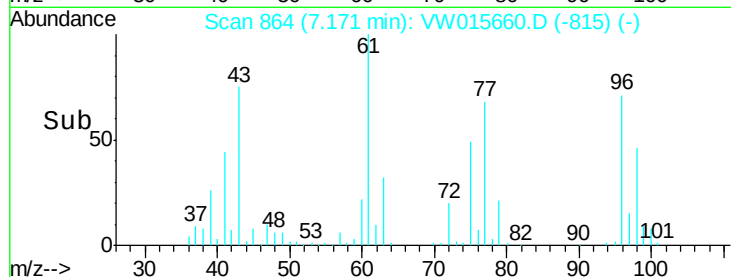
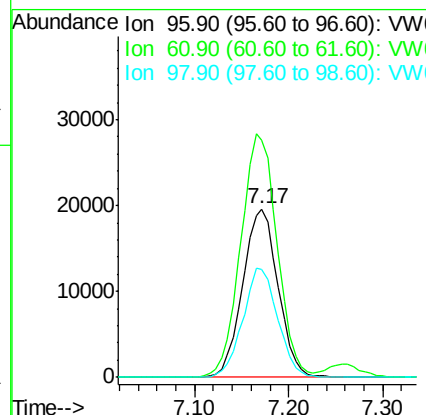
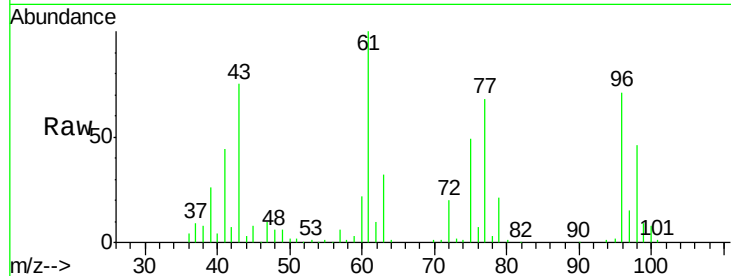
cis-1,2-Dichloroethene
Concen: 19.023 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	296.8
98	63.9	0.0	128.0

Manual Integrations
APPROVED

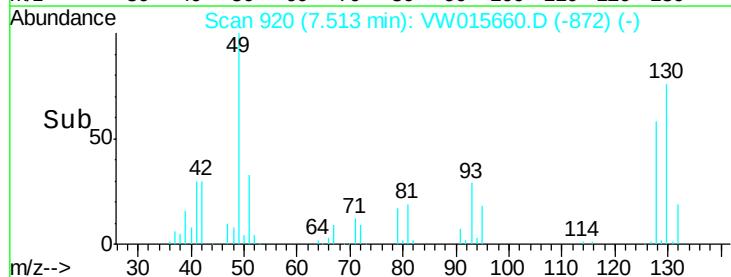
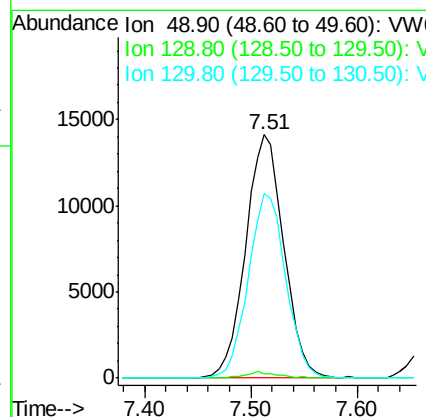
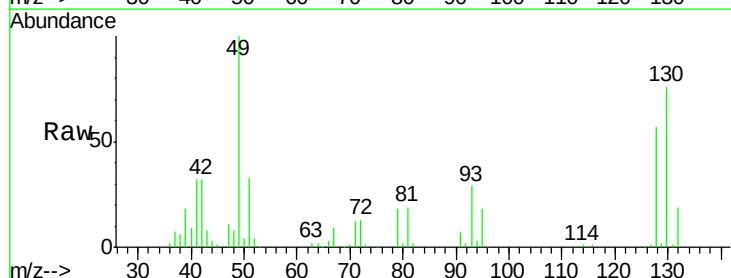
MMDadoda
6/24/2020 10:58:21 AM

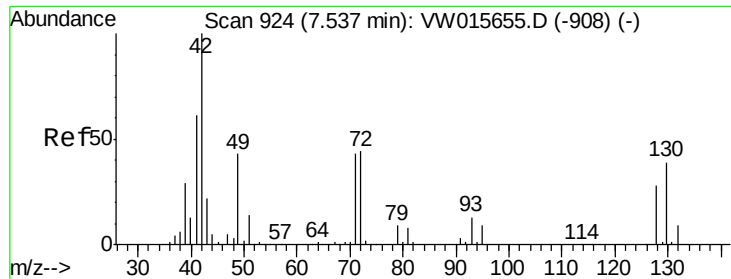


#28

Bromochloromethane
Concen: 20.746 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.2
130	74.6	61.0	91.4





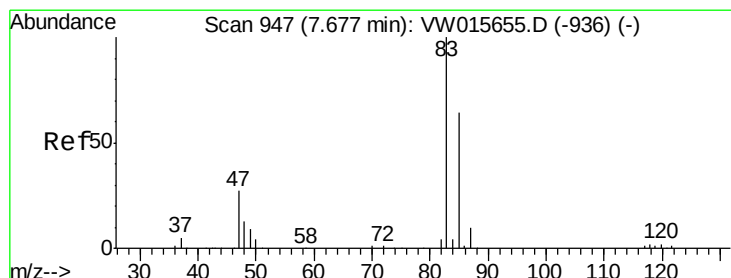
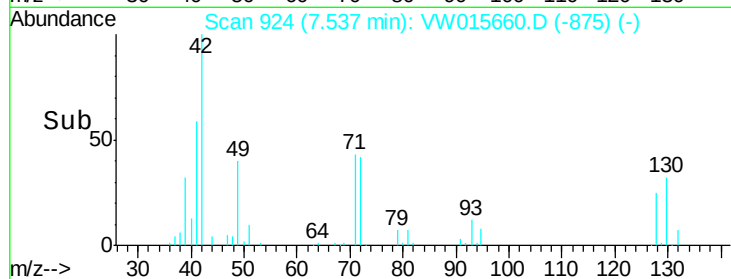
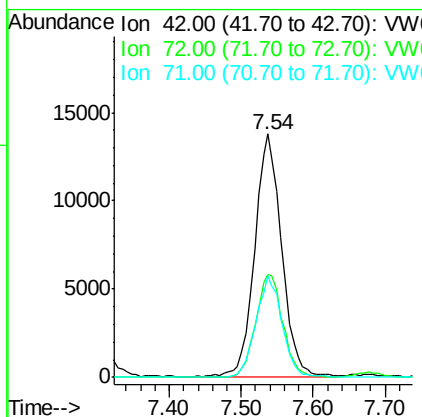
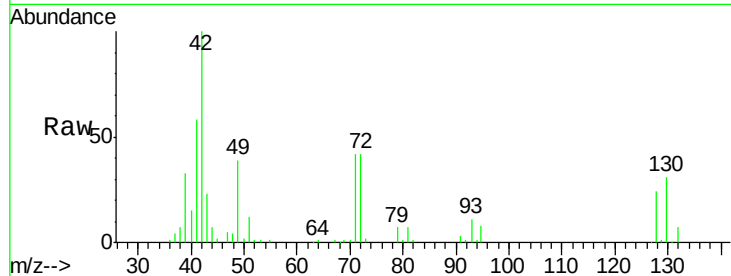
#29
Tetrahydrofuran
Concen: 95.651 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.0	52.6
71	40.0	32.6	49.0

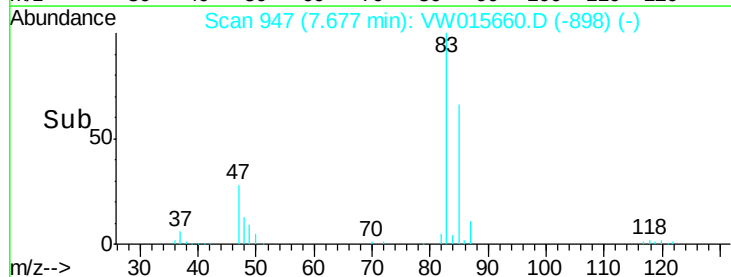
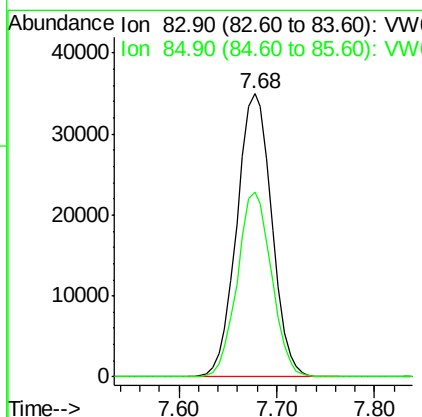
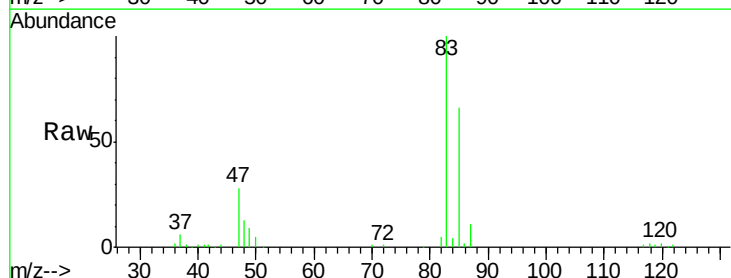
Manual Integrations
APPROVED

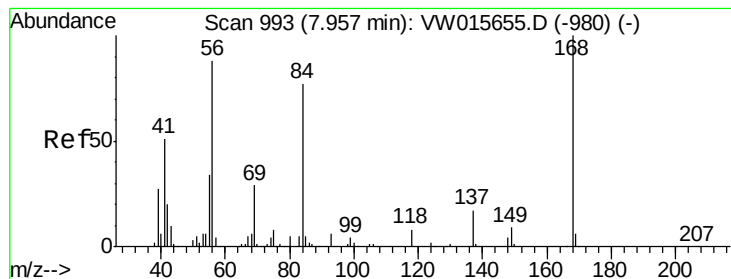
MMDadoda
6/24/2020 10:58:21 AM



#30
Chloroform
Concen: 18.977 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.4





#31

Cyclohexane

Concen: 18.354 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 56 Resp: 78942

Ion Ratio Lower Upper

56 100

69 37.8 26.2 39.4

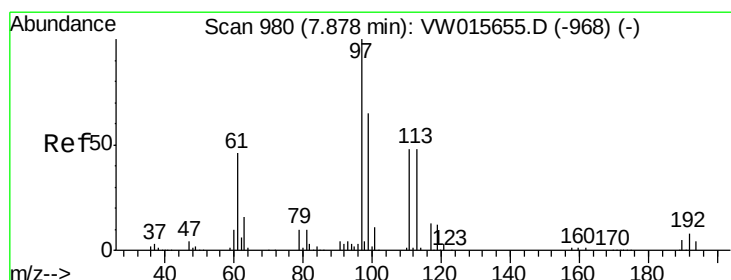
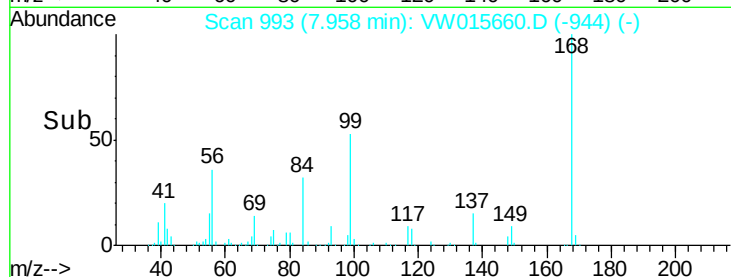
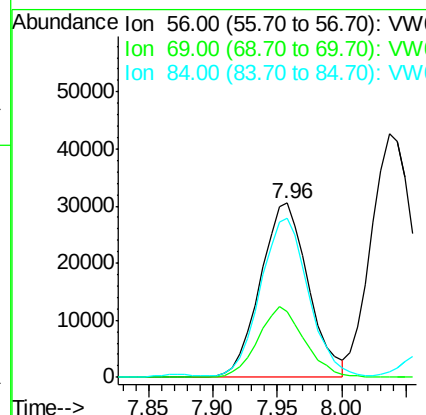
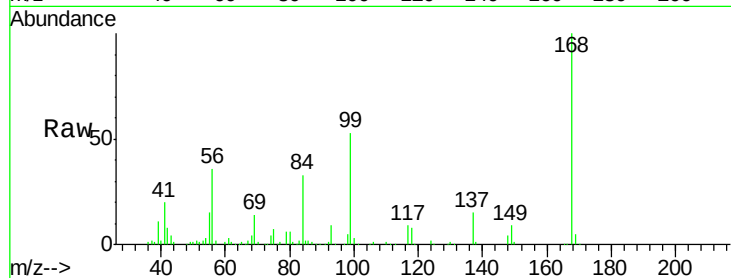
84 89.9 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



#32

1,1,1-Trichloroethane

Concen: 18.837 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

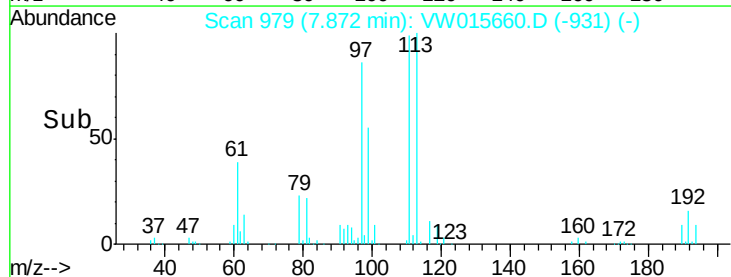
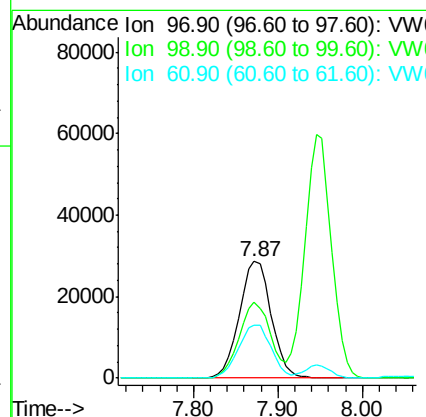
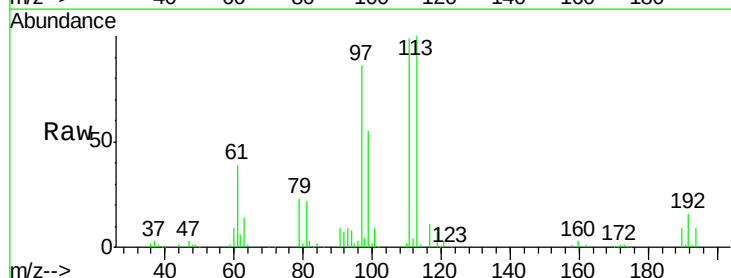
Tgt Ion: 97 Resp: 73223

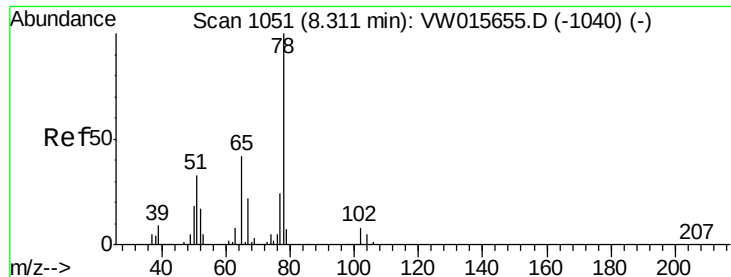
Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 46.8 37.3 55.9





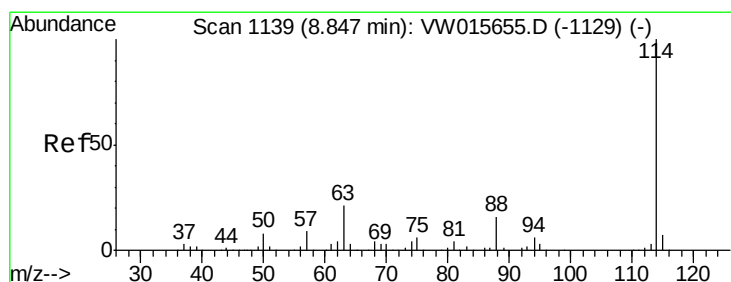
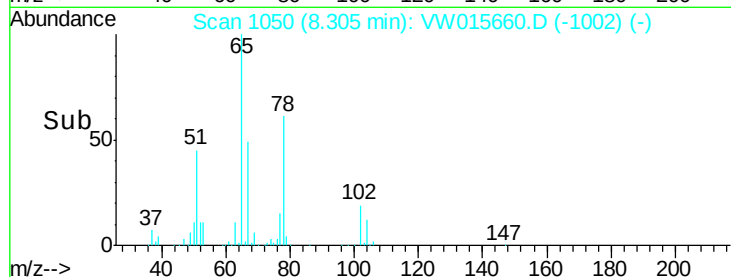
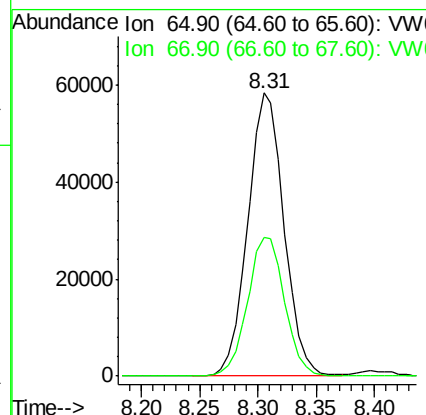
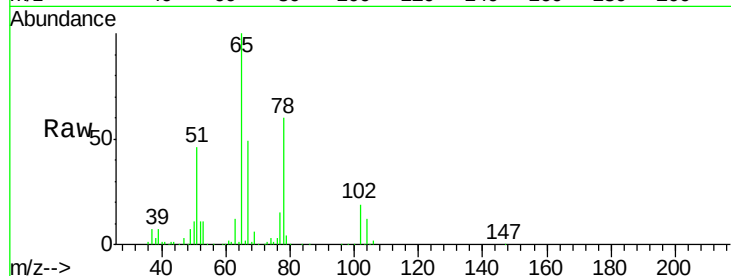
#33
 1,2-Dichloroethane-d4
 Concen: 50.610 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126369		
67	50.1	0.0	102.2	

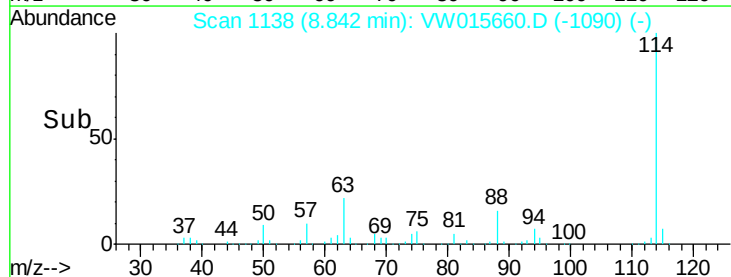
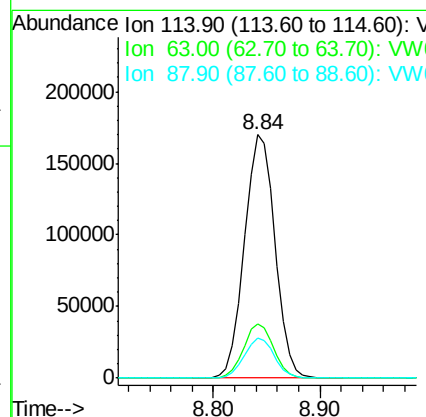
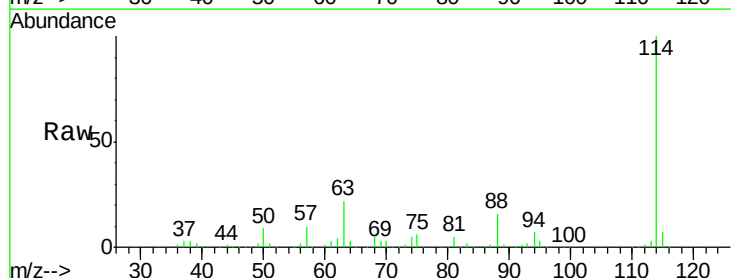
Manual Integrations
 APPROVED

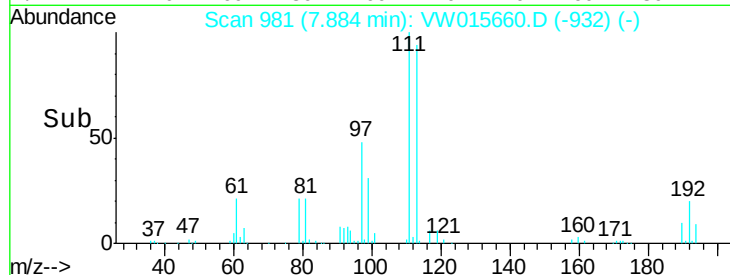
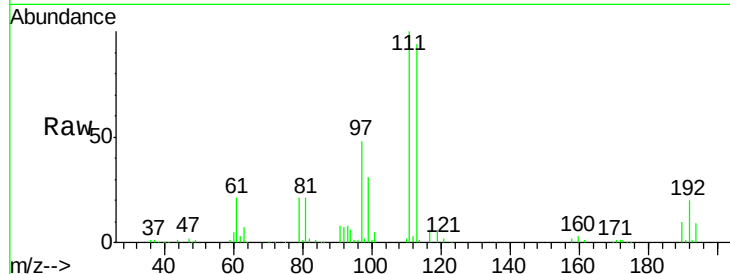
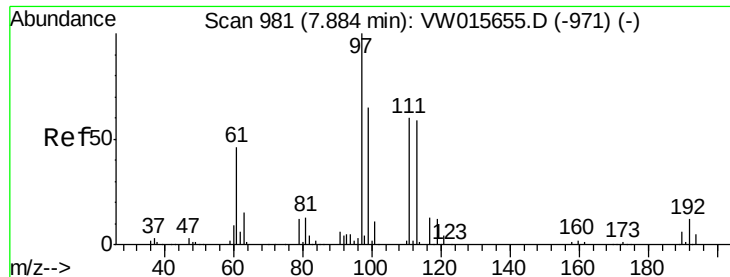
MMDadoda
 6/24/2020 10:58:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	342843		
63	22.3	0.0	42.4	
88	16.4	0.0	32.6	





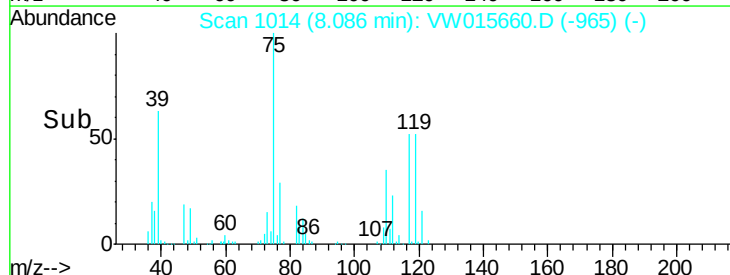
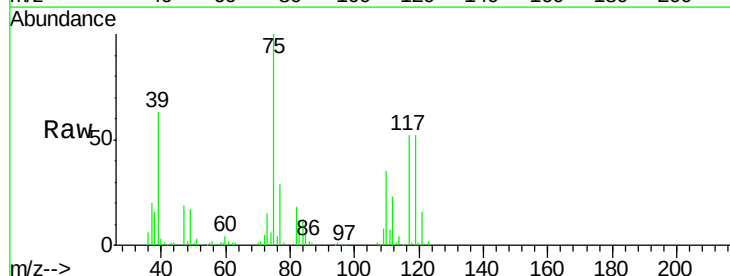
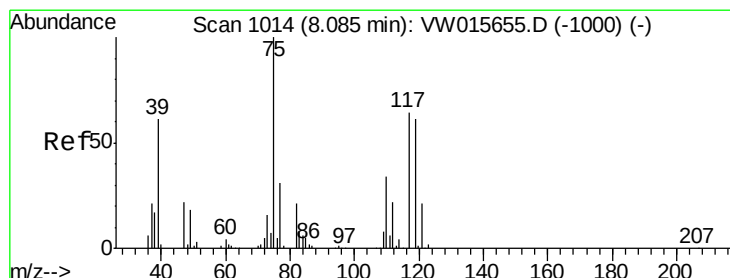
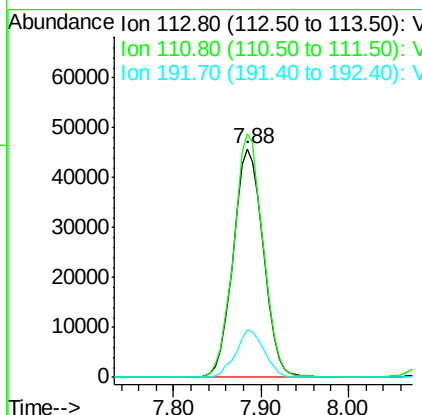
#35
Dibromofluoromethane
Concen: 50.757 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109461		
111	104.3	82.3	123.5	
192	19.9	16.4	24.6	

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

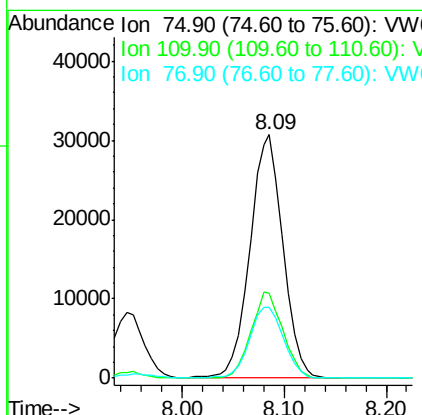
Manual Integrations
APPROVED

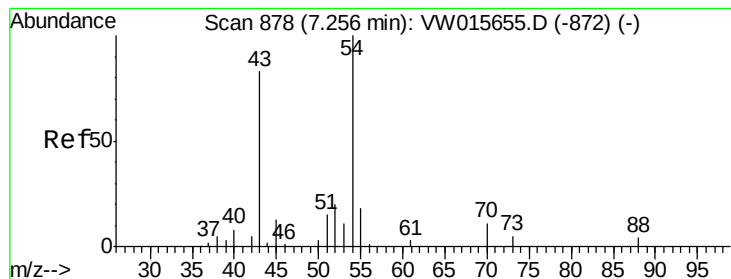
MMDadoda
6/24/2020 10:58:21 AM



#36
1,1-Dichloropropene
Concen: 19.288 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68778		
110	34.4	17.0	51.0	
77	30.5	24.6	36.8	





#37

Ethyl Acetate

Concen: 19.513 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

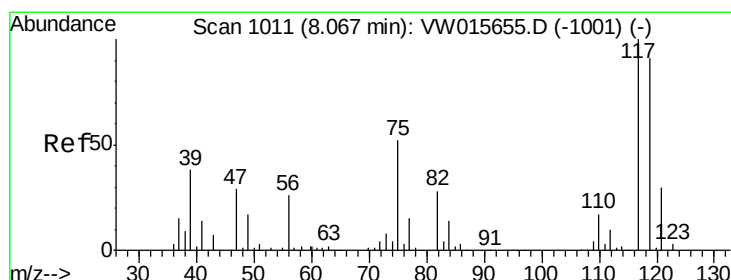
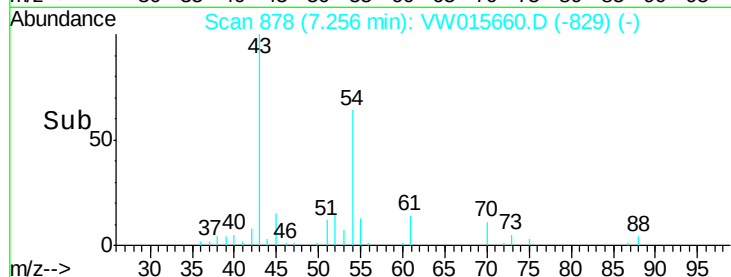
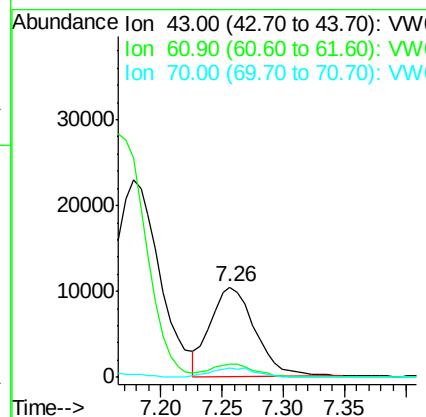
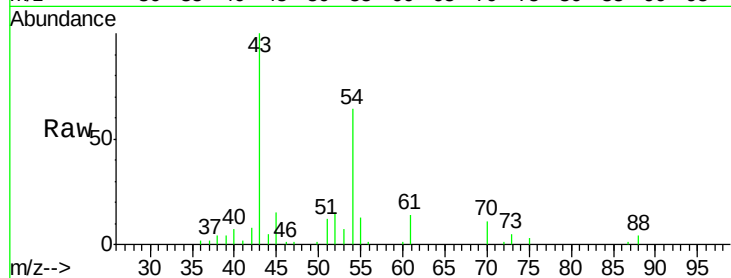
ClientSampleId :

VW0623SBS01

Tot Ion:	43	Resp:	26568
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.4	15.6
70	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#38

Carbon Tetrachloride

Concen: 19.137 ug/l

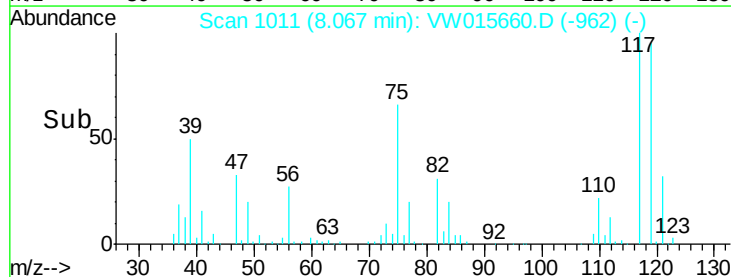
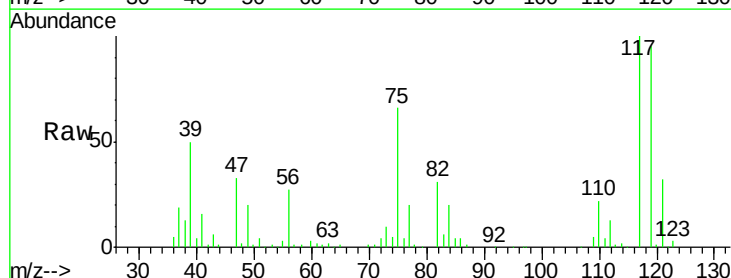
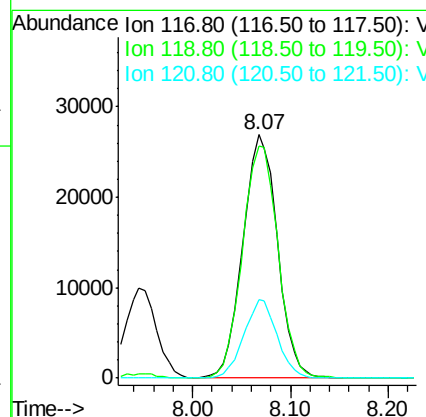
RT: 8.07 min Scan# 1011

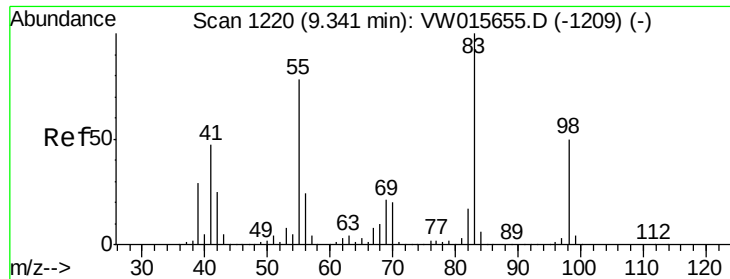
Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	117	Resp:	66150
Ion	Ratio	Lower	Upper
117	100		
119	95.1	73.2	109.8
121	32.1	23.9	35.9





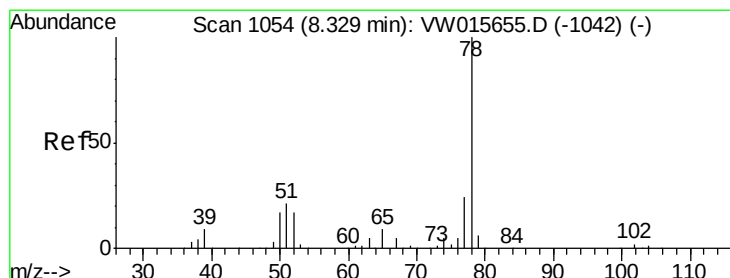
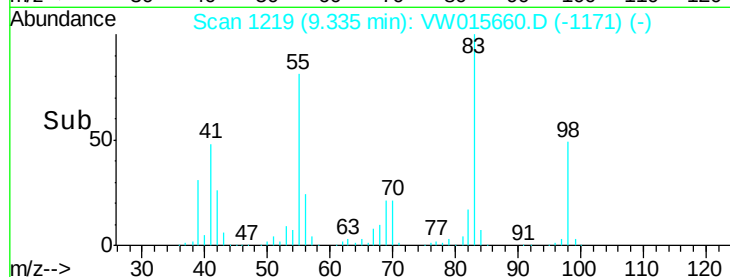
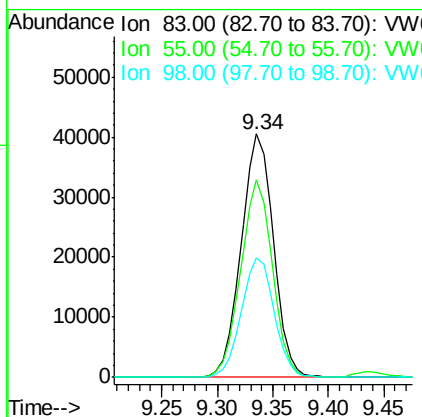
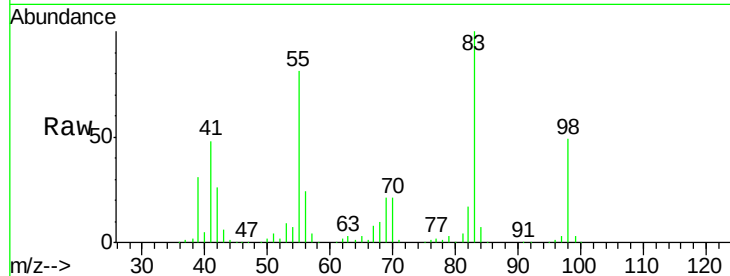
#39
Methylvlcyclohexane
Concen: 18.934 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	83	Resp	81776
Ion	Ratio	Lower	Upper
83	100		
55	81.0	62.8	94.2
98	49.2	39.9	59.9

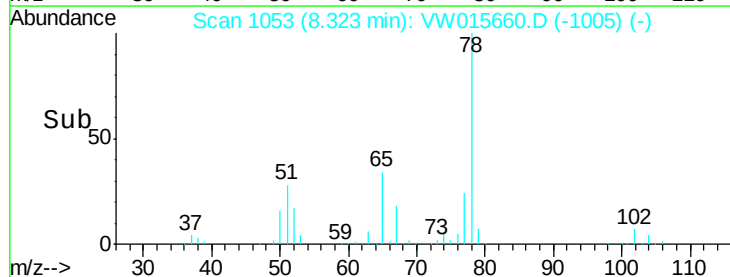
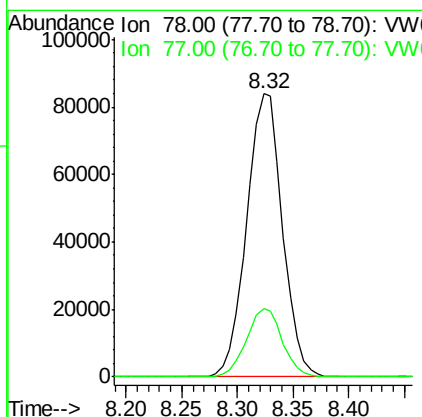
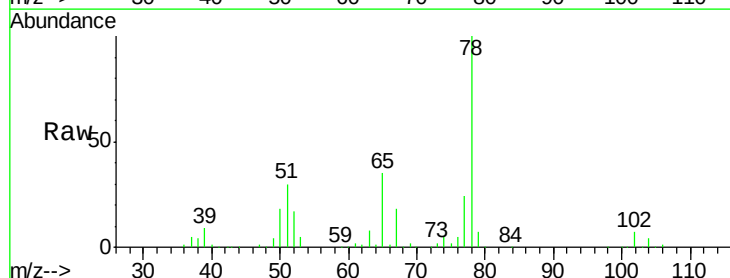
Manual Integrations
APPROVED

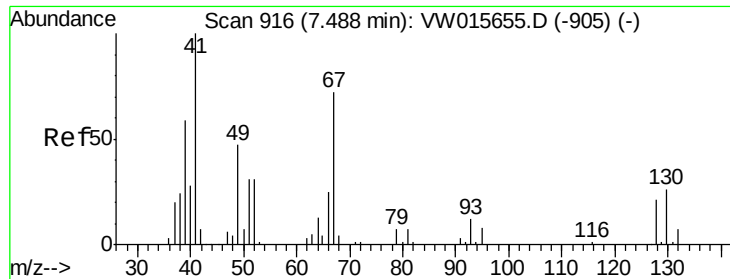
MMDadoda
6/24/2020 10:58:21 AM



#40
Benzene
Concen: 19.342 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	78	Resp	187543
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





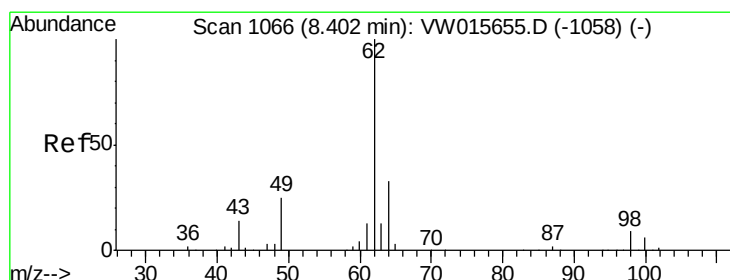
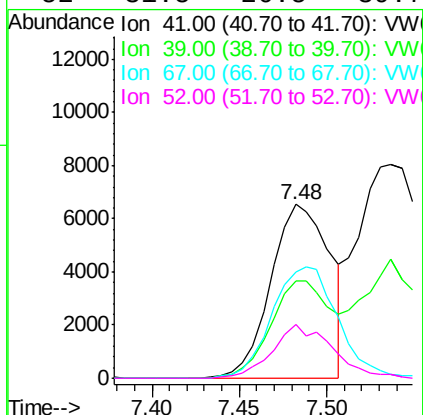
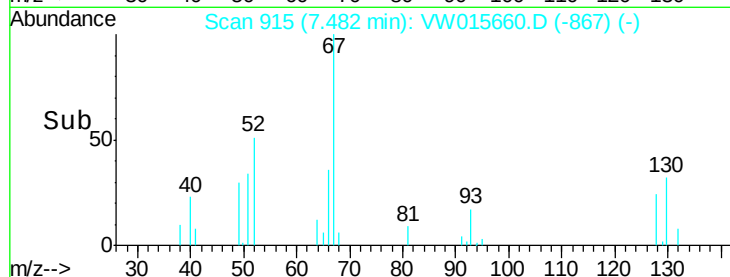
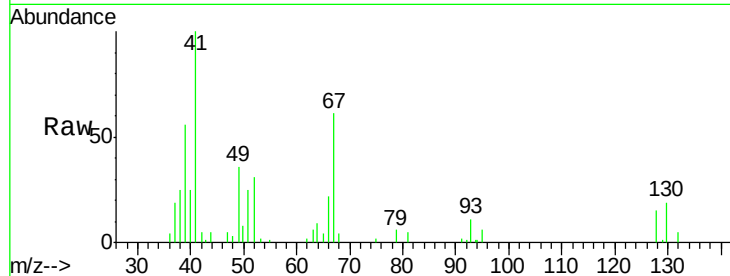
#41
Methacrylonitrile
Concen: 19.795 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion:	41	Resp:	15468
Ion	Ratio	Lower	Upper
41	100		
39	56.6	52.0	78.0
67	71.3	57.5	86.3
52	31.5	26.5	39.7

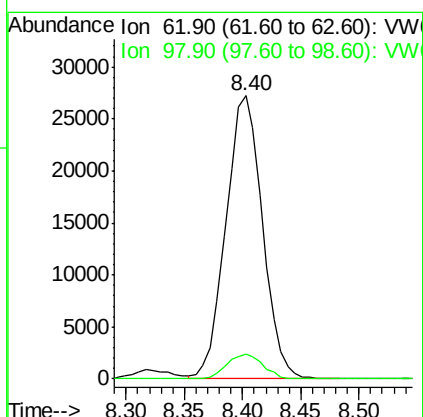
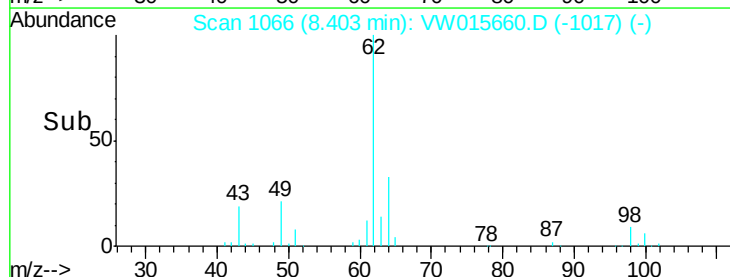
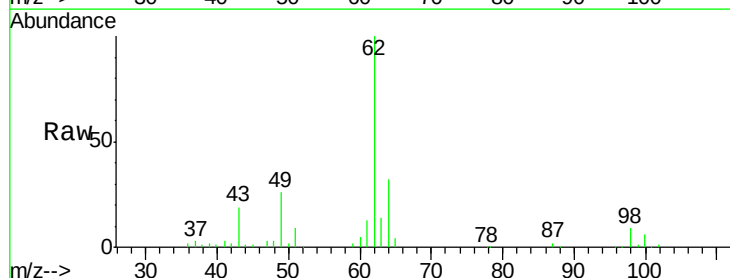
Manual Integrations
APPROVED

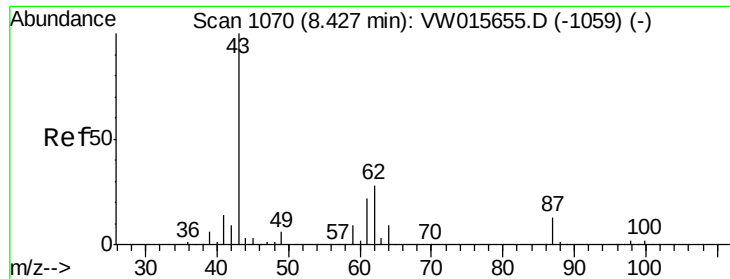
MMDadoda
6/24/2020 10:58:21 AM



#42
1,2-Dichloroethane
Concen: 19.814 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion:	62	Resp:	59433
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.371 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

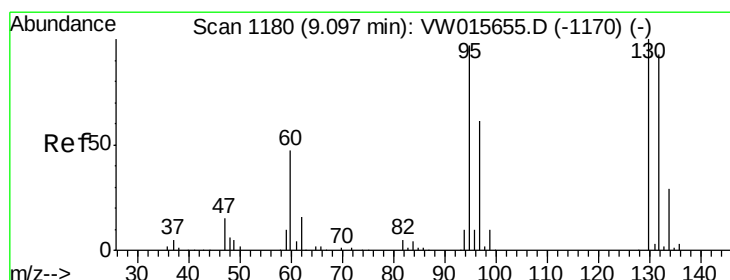
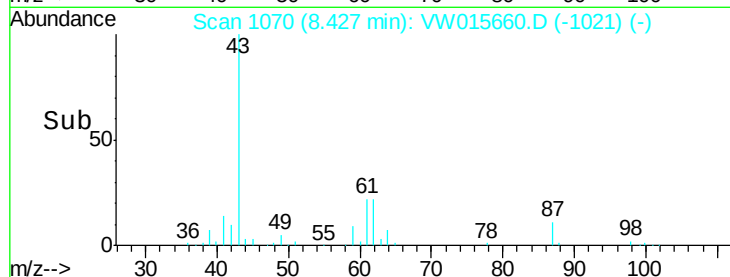
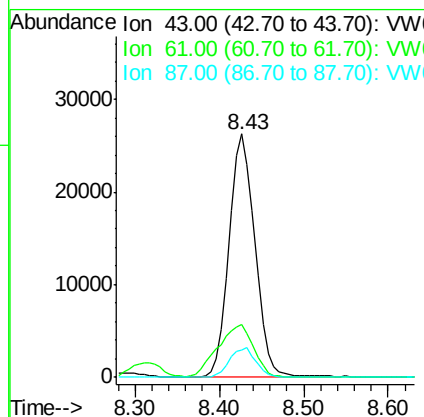
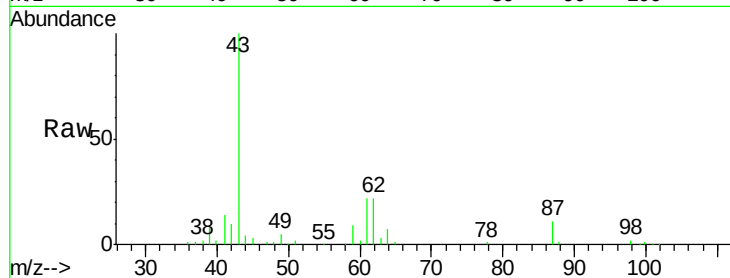
ClientSampleId :

VW0623SBS01

Tot Ion:	43	Resp:	55350
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.7	37.1
87	12.3	10.2	15.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#44

Trichloroethene

Concen: 19.040 ug/l

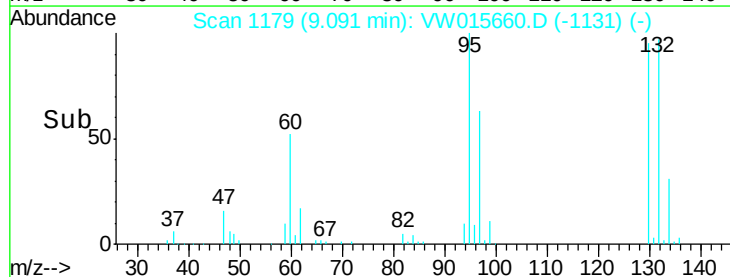
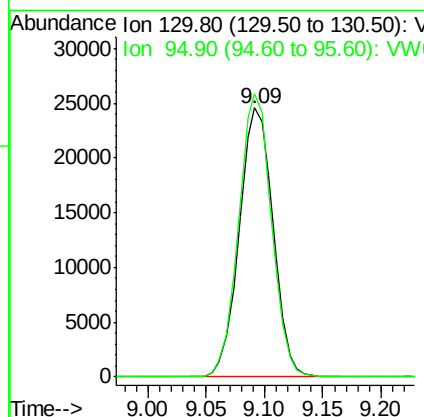
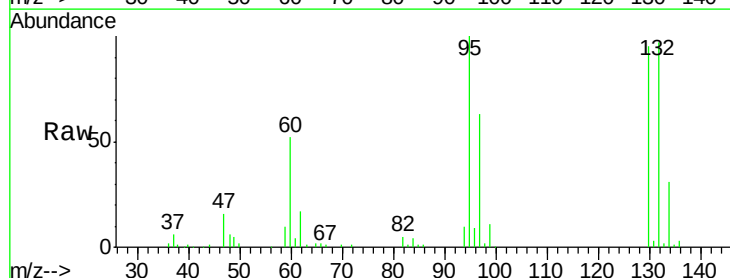
RT: 9.09 min Scan# 1179

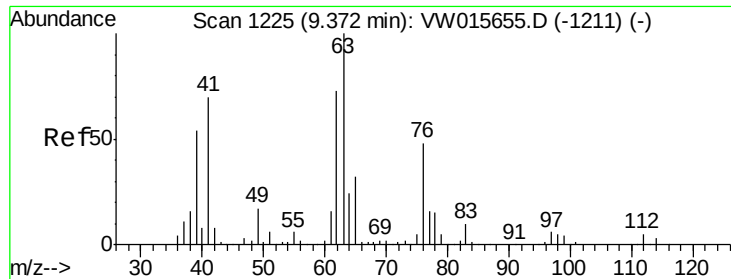
Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	130	Resp:	49761
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	194.4





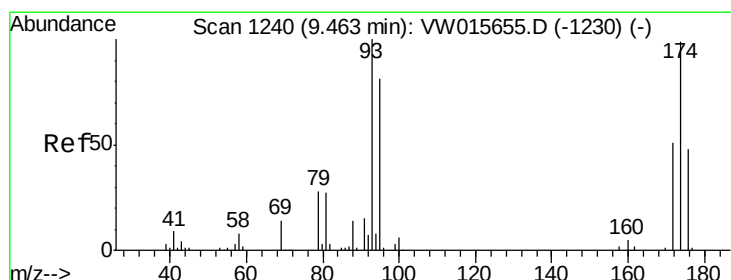
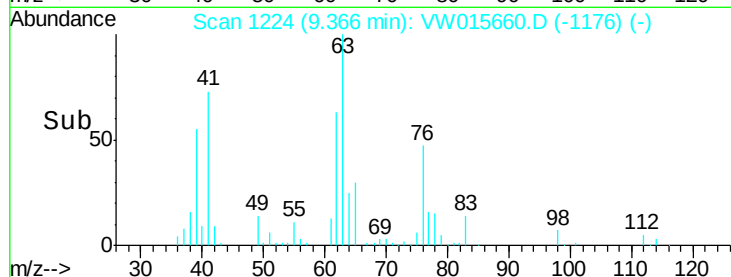
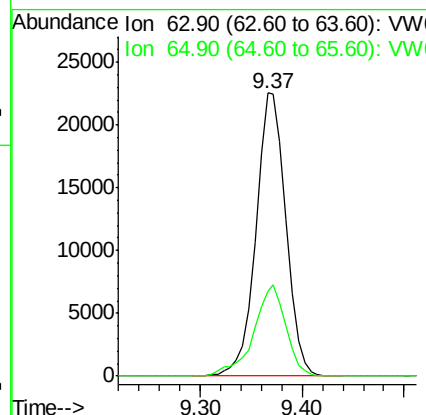
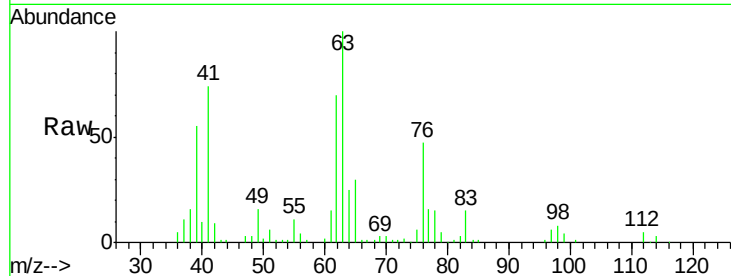
#45
 1,2-Dichloropropane
 Concen: 19.430 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.3	37.9

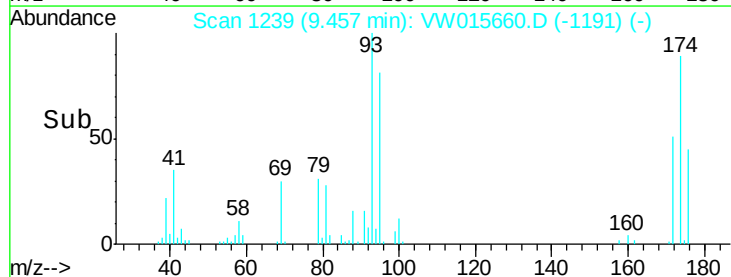
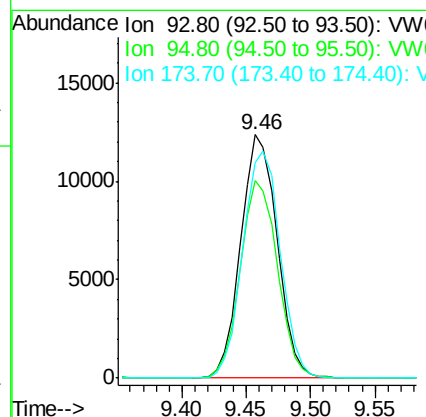
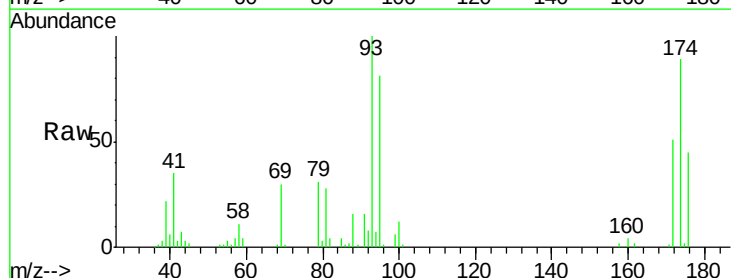
Manual Integrations
 APPROVED

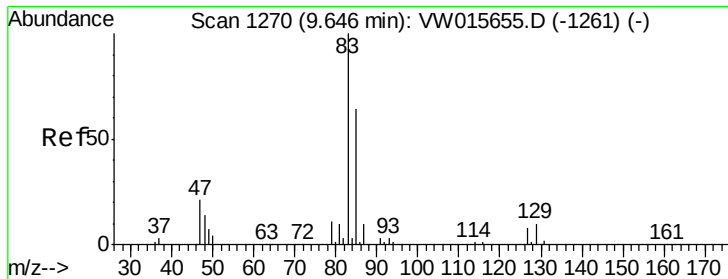
MMDadoda
 6/24/2020 10:58:21 AM



#46
 Dibromomethane
 Concen: 19.740 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.7	98.5
174	95.9	79.0	118.6





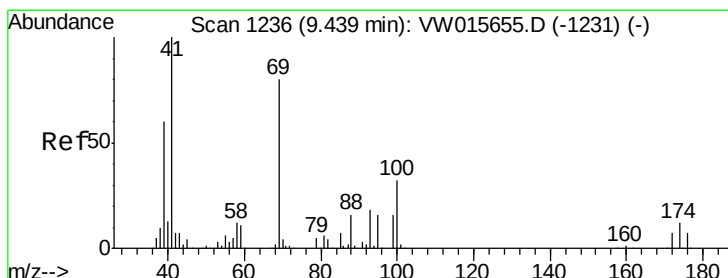
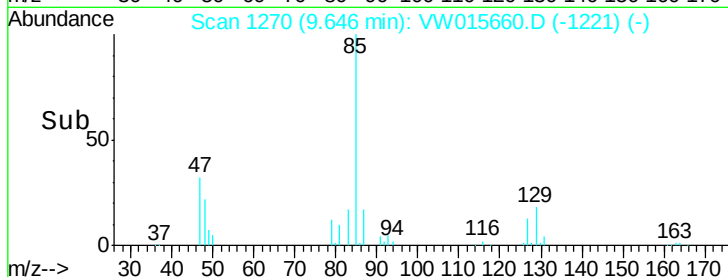
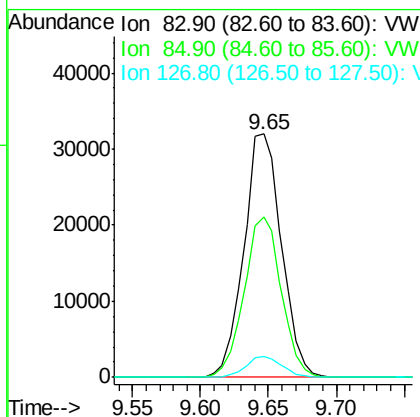
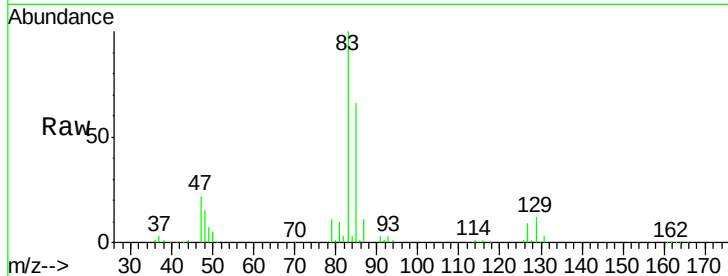
#47
Bromodichloromethane
Concen: 19.355 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	83	Resp	61909
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	50.8	76.2
127	8.7	6.3	9.5

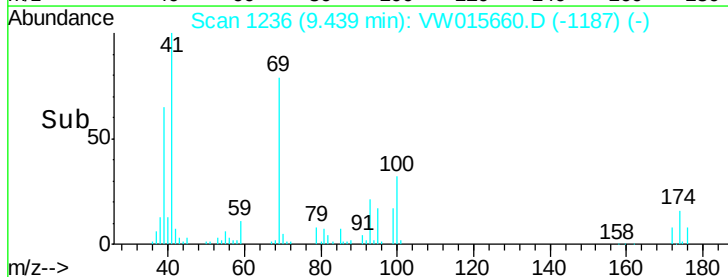
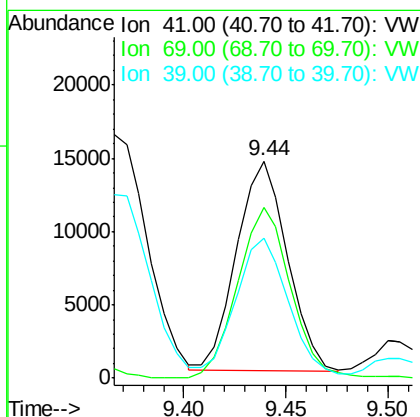
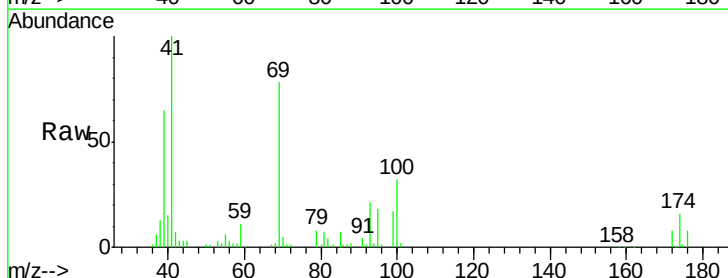
Manual Integrations
APPROVED

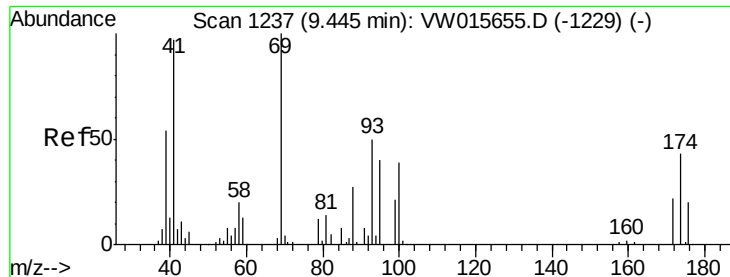
MMDadoda
6/24/2020 10:58:21 AM



#48
Methyl methacrylate
Concen: 19.831 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	41	Resp	24634
Ion Ratio	100	Lower	Upper
41	100		
69	85.8	68.2	102.2
39	64.9	49.8	74.6





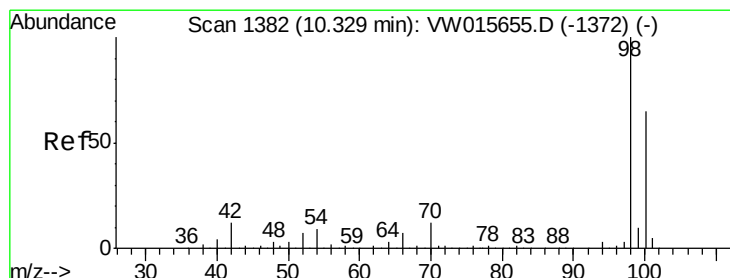
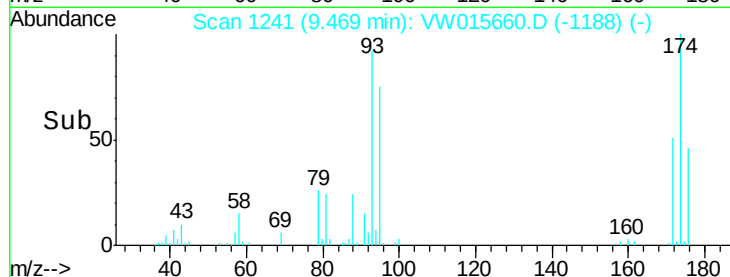
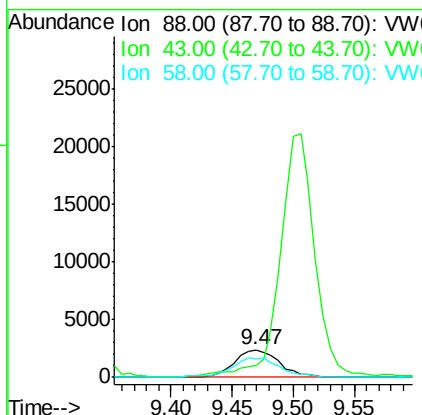
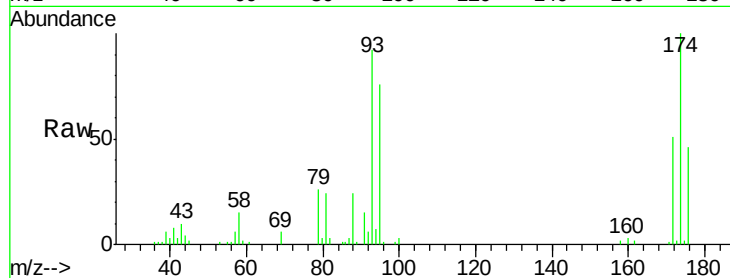
#49
1,4-Dioxane
Concen: 371.689 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	76.6	56.1	84.1

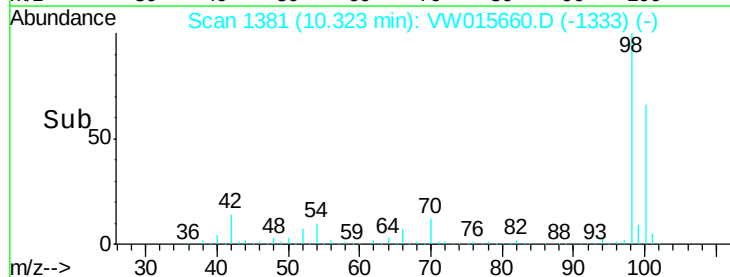
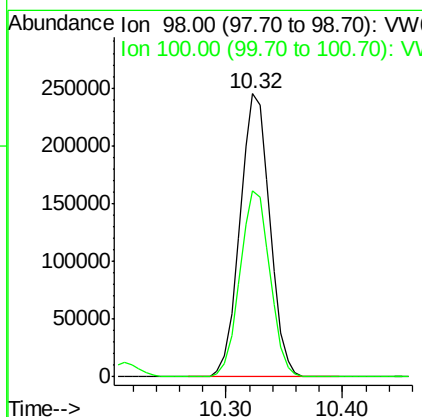
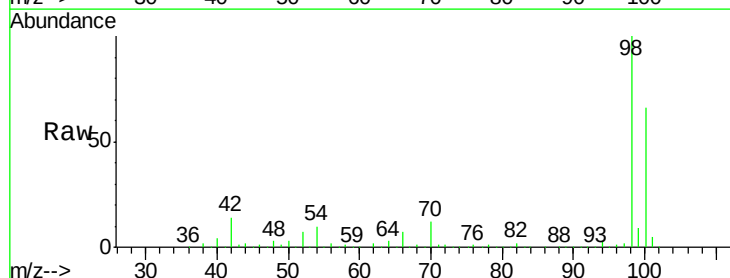
Manual Integrations
APPROVED

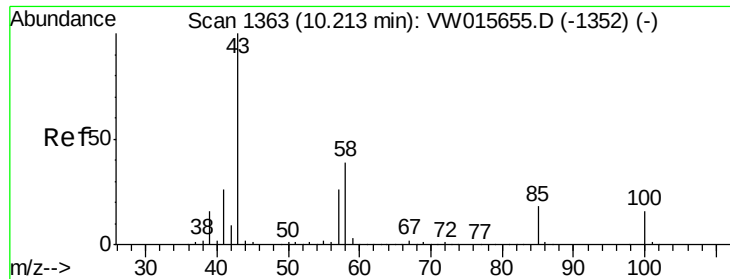
MMDadoda
6/24/2020 10:58:21 AM



#50
Toluene-d8
Concen: 51.559 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2





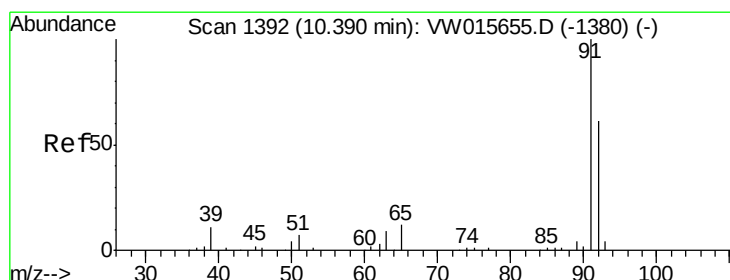
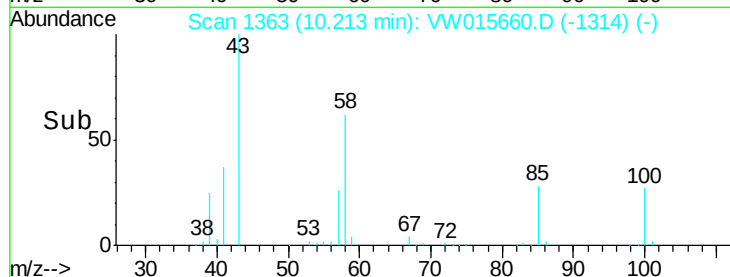
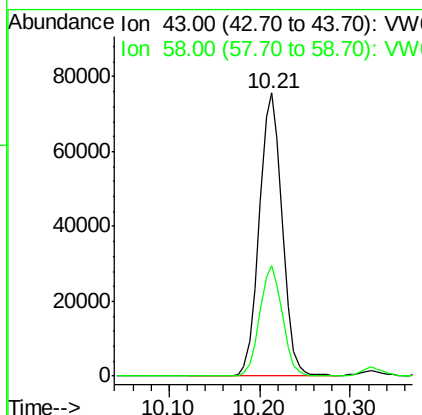
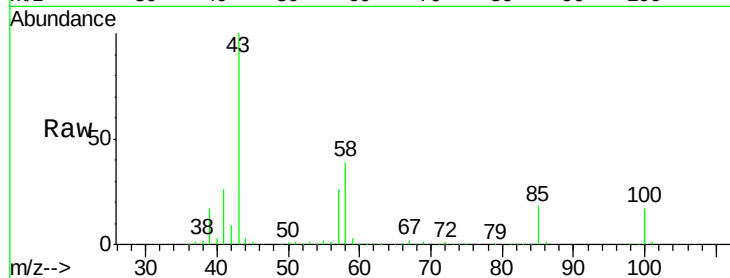
#51
4-Methyl-2-Pentanone
Concen: 100.612 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 43 Resp: 131833
Ion Ratio Lower Upper
43 100
58 38.5 31.2 46.8

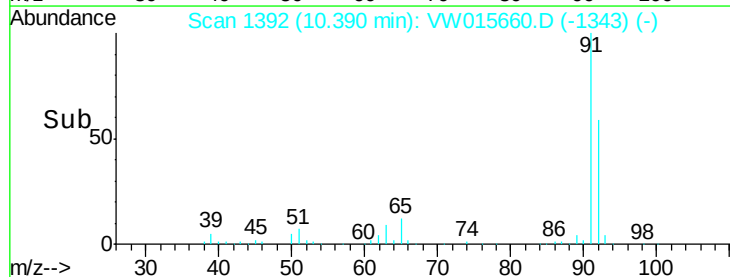
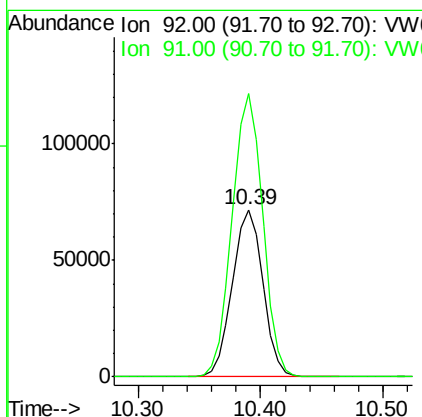
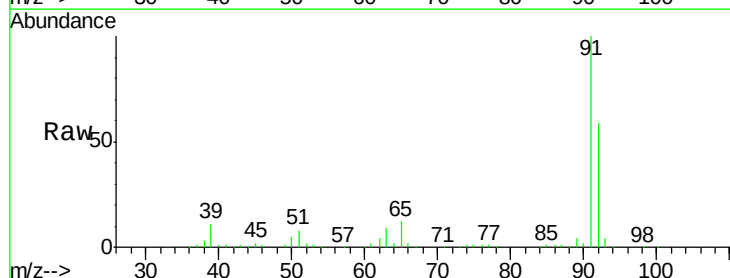
Manual Integrations
APPROVED

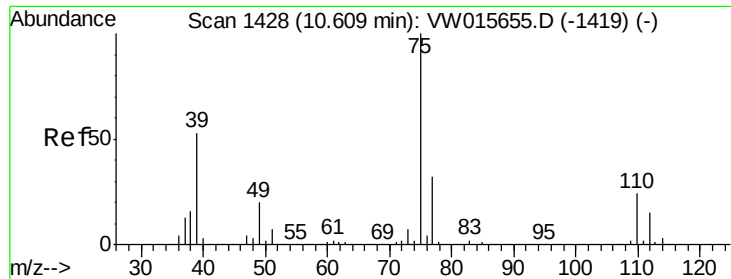
MMDadoda
6/24/2020 10:58:21 AM



#52
Toluene
Concen: 19.774 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion: 92 Resp: 123798
Ion Ratio Lower Upper
92 100
91 170.4 135.5 203.3





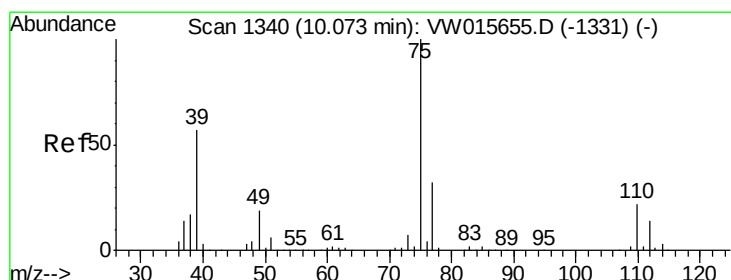
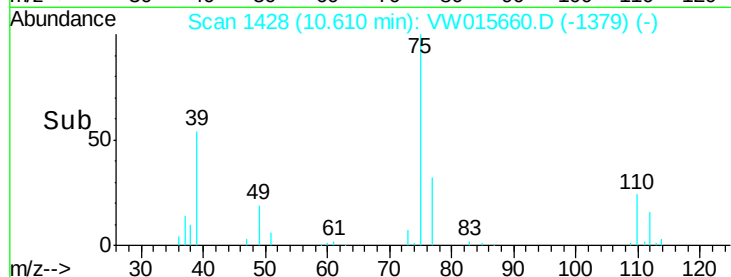
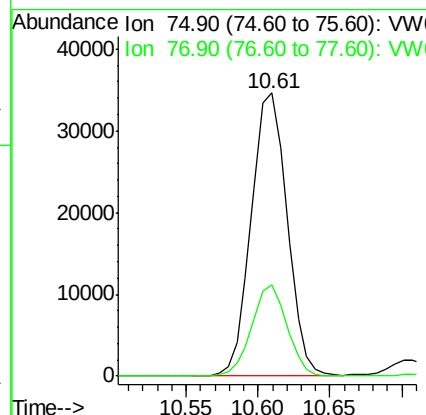
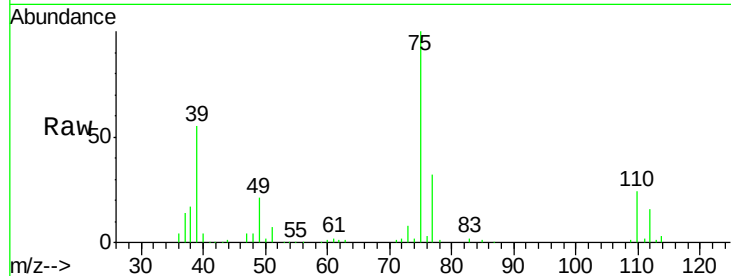
#53
 t-1,3-Dichloropropene
 Concen: 19.372 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion: 75 Resp: 59858
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.3 37.9

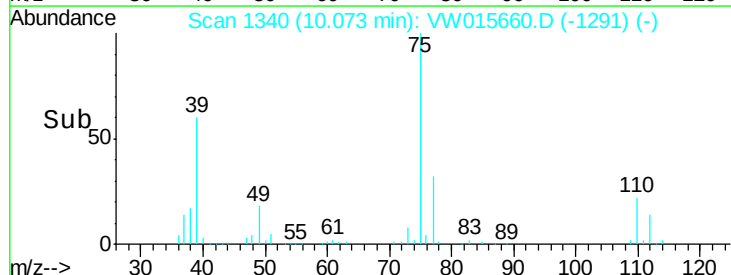
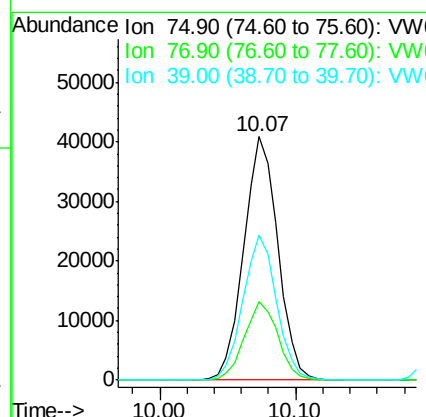
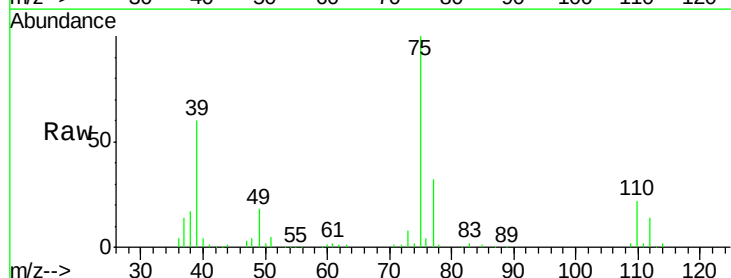
Manual Integrations
 APPROVED

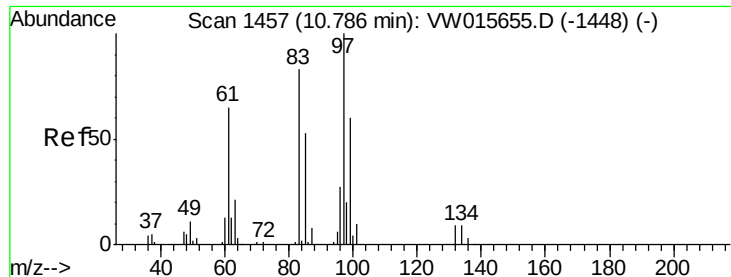
MMDadoda
 6/24/2020 10:58:21 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.378 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion: 75 Resp: 71530
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2
 39 59.6 45.8 68.6





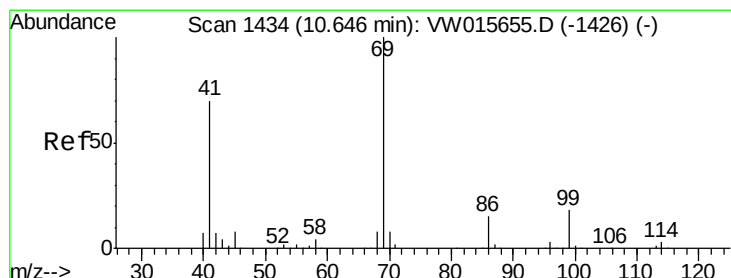
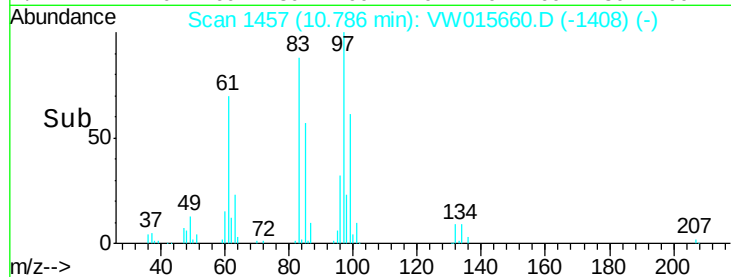
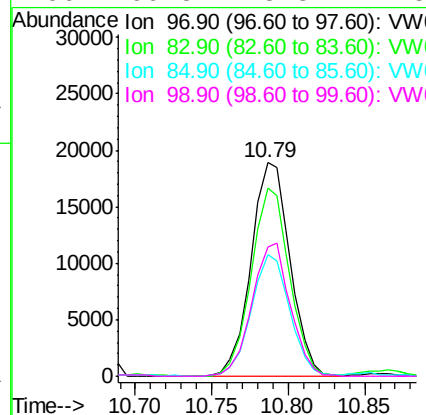
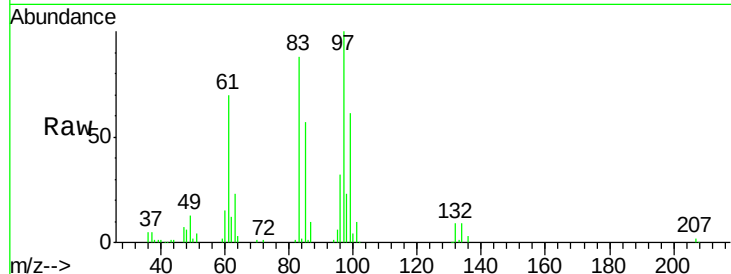
#55
 1,1,2-Trichloroethane
 Concen: 19.680 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion:	97	Resp:	33553
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.3	99.5
85	57.2	42.5	63.7
99	60.8	48.3	72.5

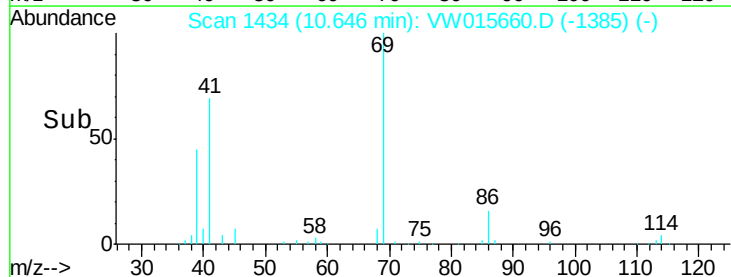
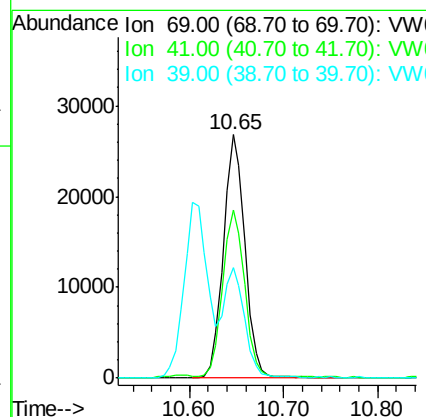
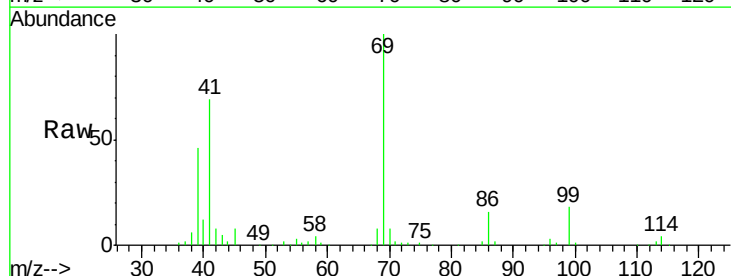
Manual Integrations
 APPROVED

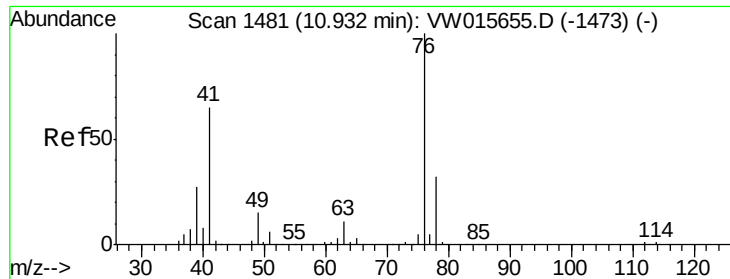
MMDadoda
 6/24/2020 10:58:21 AM



#56
 Ethyl methacrylate
 Concen: 20.064 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion:	69	Resp:	42563
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.8	83.6
39	44.2	29.5	44.3





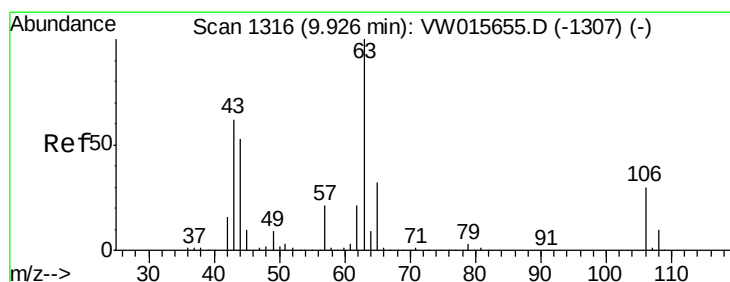
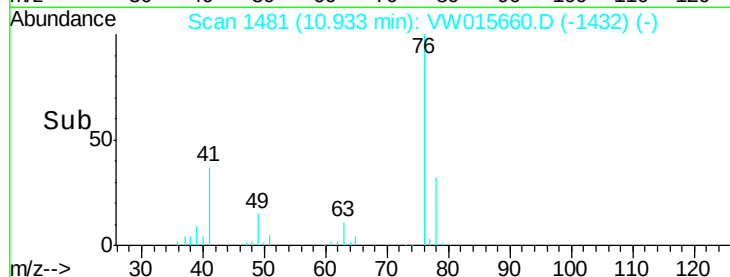
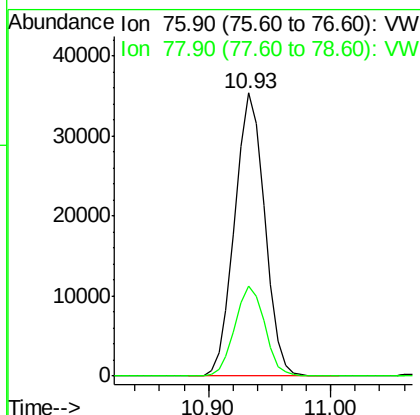
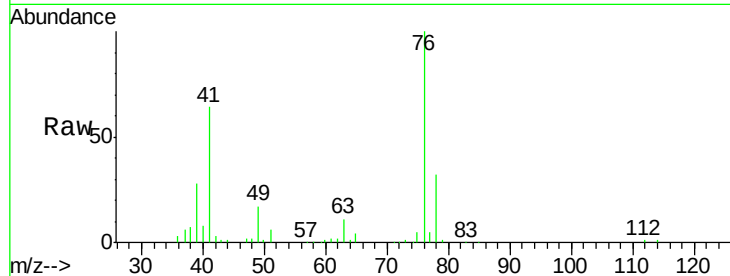
#57
 1,3-Dichloropropane
 Concen: 19.912 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion: 76 Resp: 60184
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

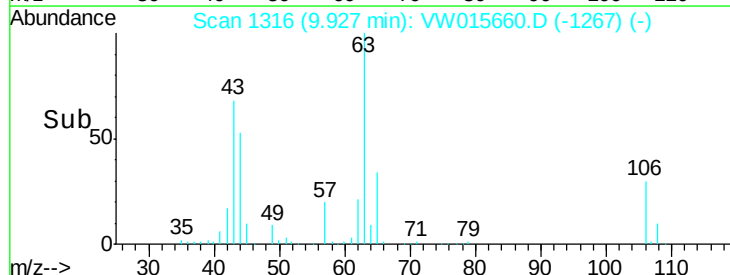
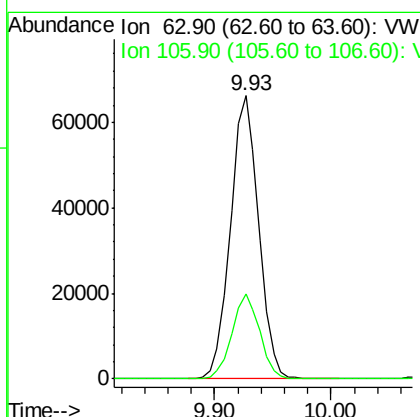
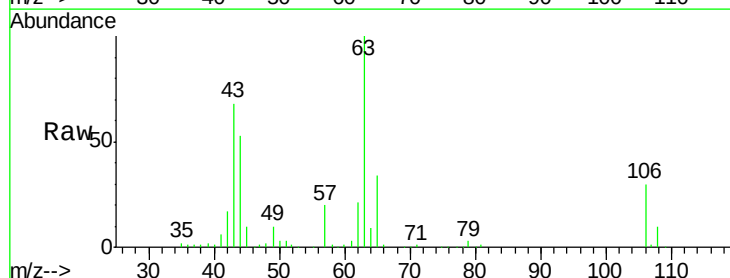
Manual Integrations
 APPROVED

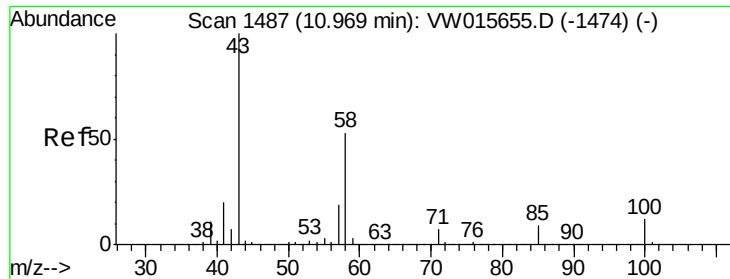
MMDadoda
 6/24/2020 10:58:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.155 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion: 63 Resp: 111585
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.3 34.9





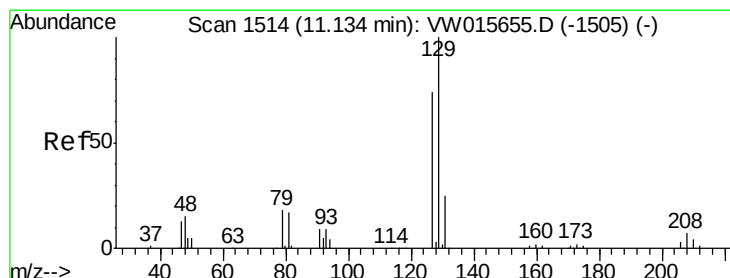
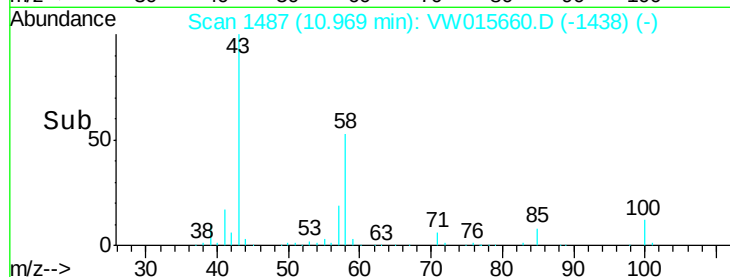
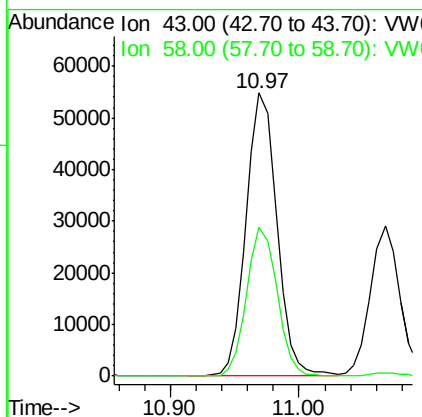
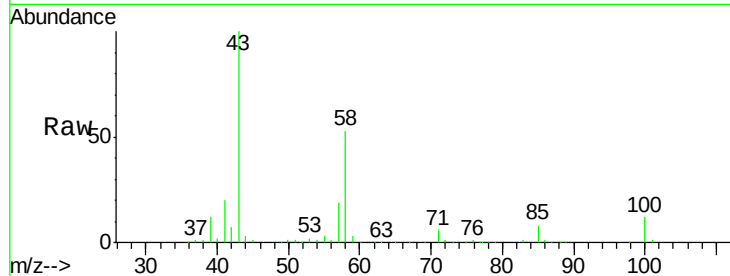
#59
2-Hexanone
Concen: 101.620 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 43 Resp: 90650
Ion Ratio Lower Upper
43 100
58 52.1 26.5 79.4

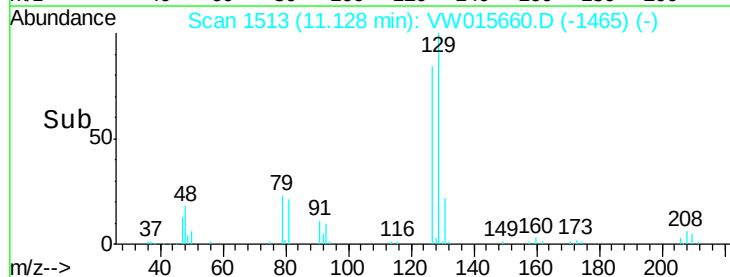
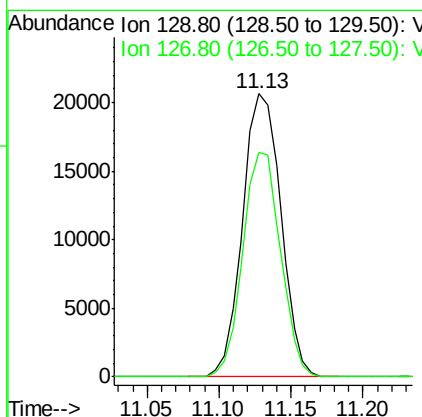
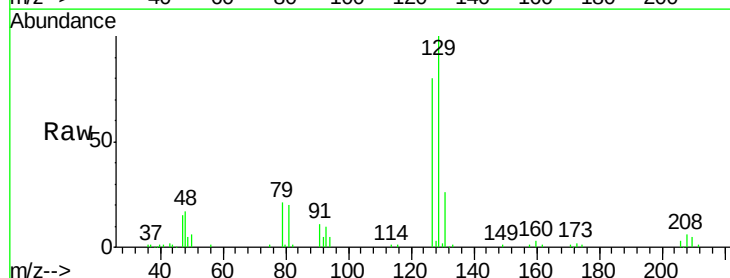
Manual Integrations
APPROVED

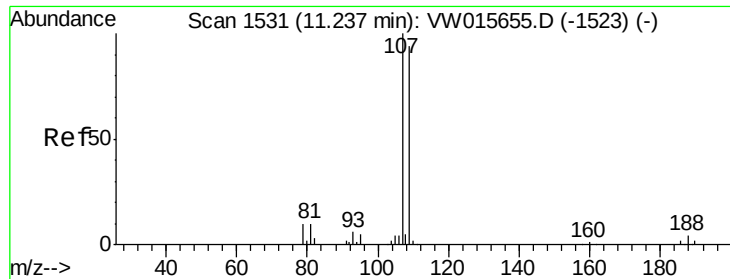
MMDadoda
6/24/2020 10:58:21 AM



#60
Dibromochloromethane
Concen: 19.154 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion: 129 Resp: 38055
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.1





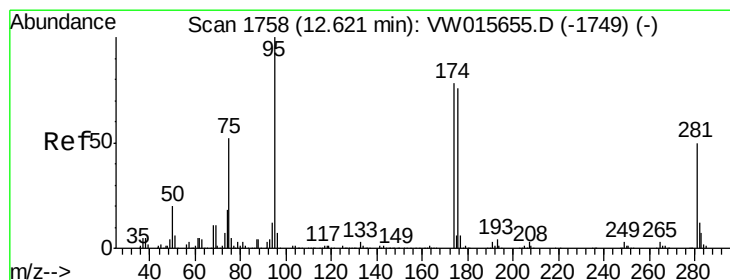
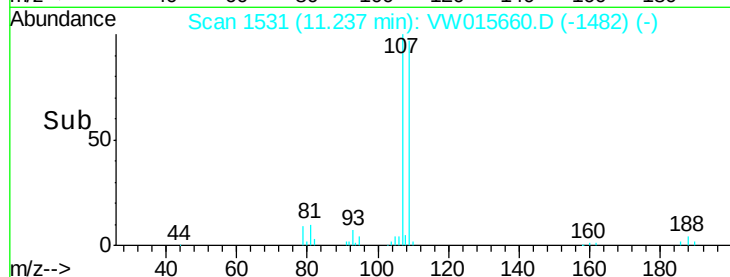
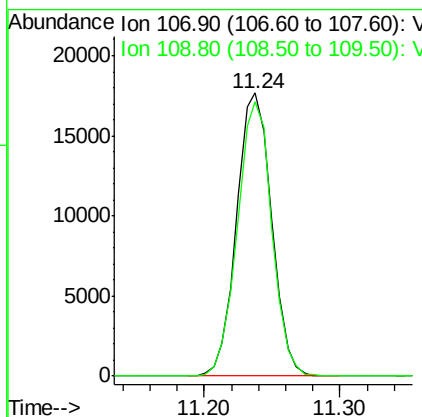
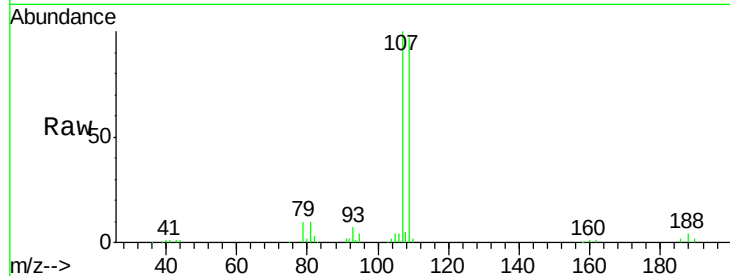
#61
 1,2-Dibromoethane
 Concen: 19.488 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.9	112.3

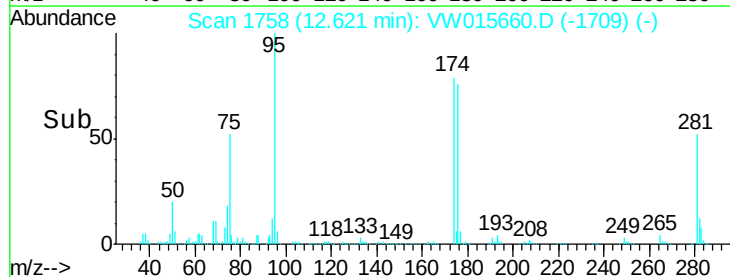
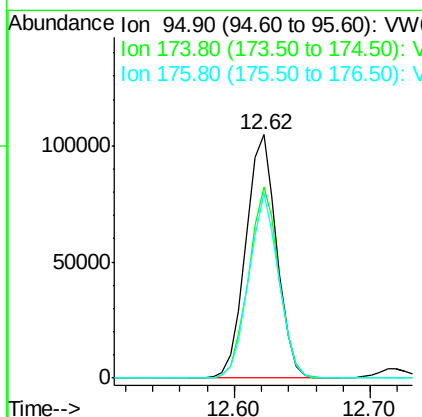
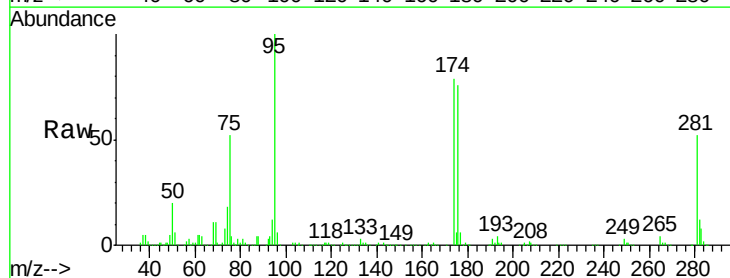
Manual Integrations
 APPROVED

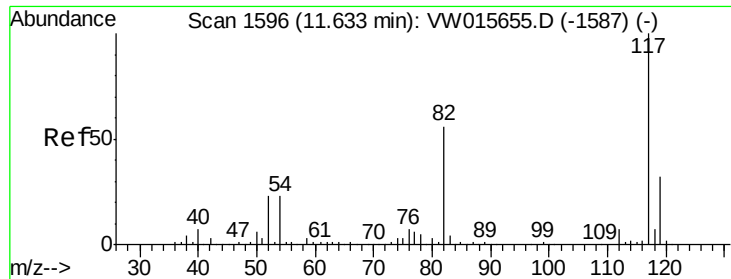
MMDadoda
 6/24/2020 10:58:21 AM



#62
 4-Bromofluorobenzene
 Concen: 53.220 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	157.0
176	73.9	0.0	151.4





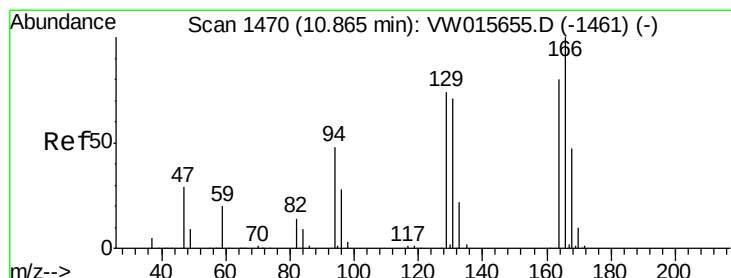
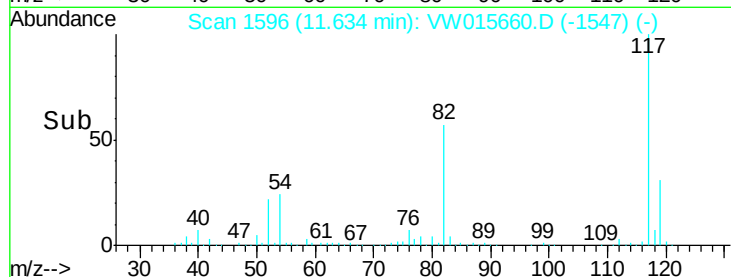
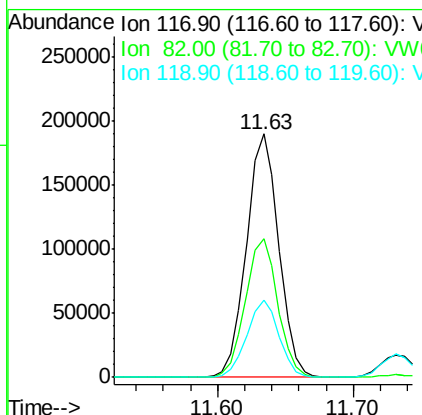
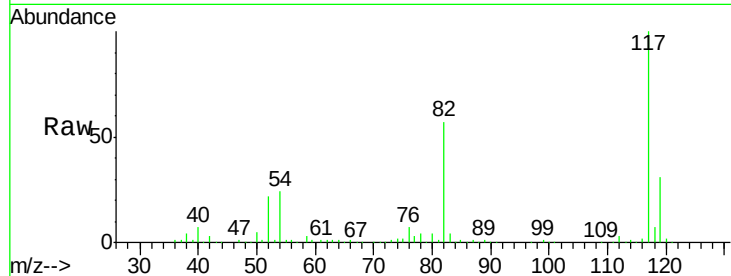
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.1	67.7
119	31.5	25.8	38.8

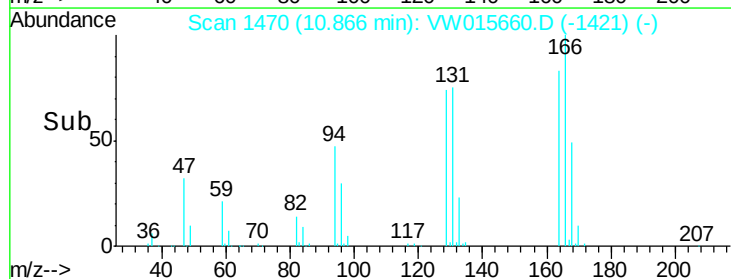
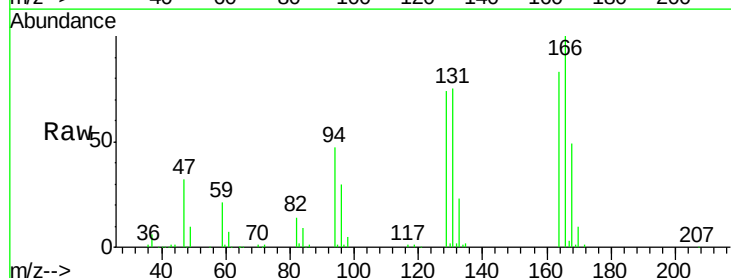
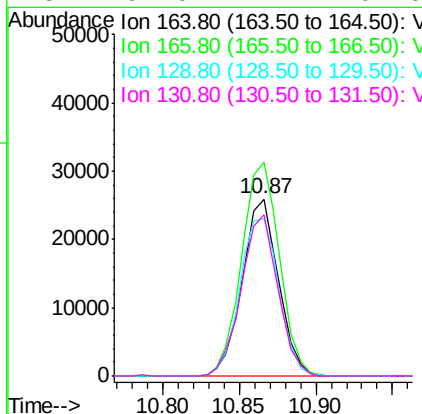
Manual Integrations
APPROVED

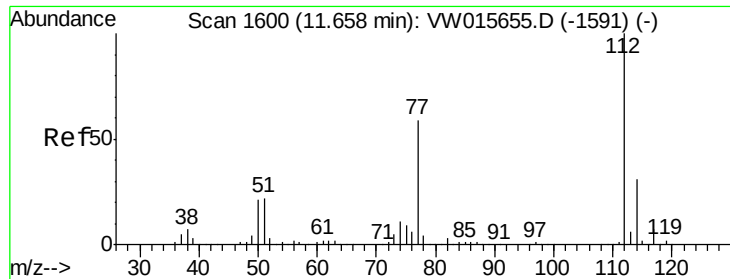
MMDadoda
6/24/2020 10:58:21 AM



#64
Tetrachloroethene
Concen: 19.211 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.9	99.9	149.9
129	89.4	74.2	111.2
131	91.0	71.4	107.0





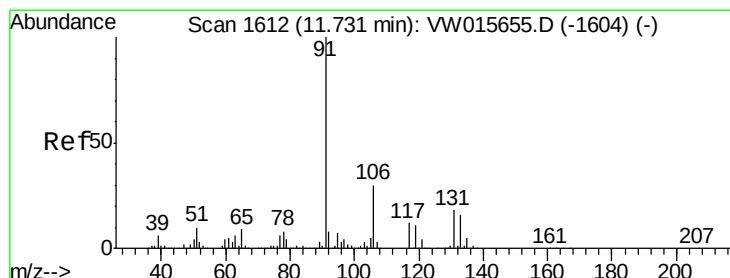
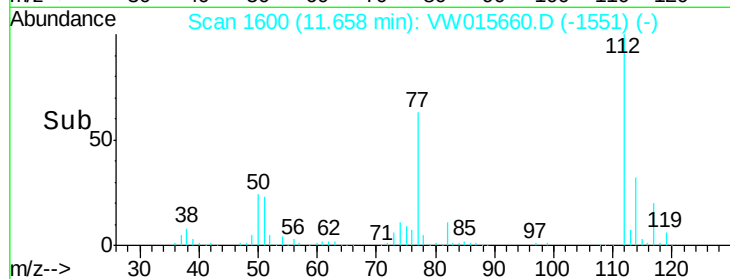
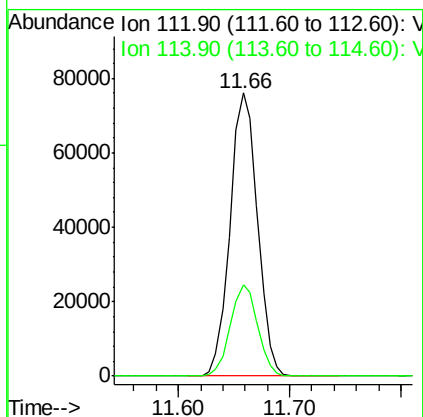
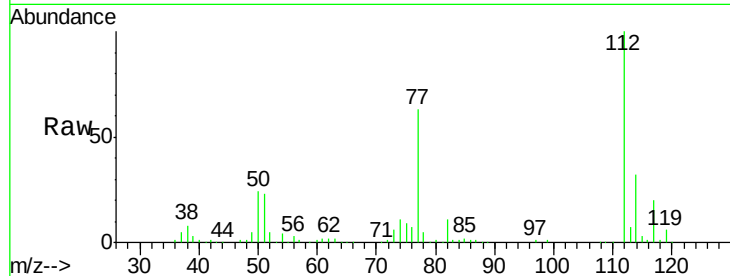
#65
Chlorobenzene
Concen: 19.439 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion:112 Resp: 129561
Ion Ratio Lower Upper
112 100
114 32.3 24.9 37.3

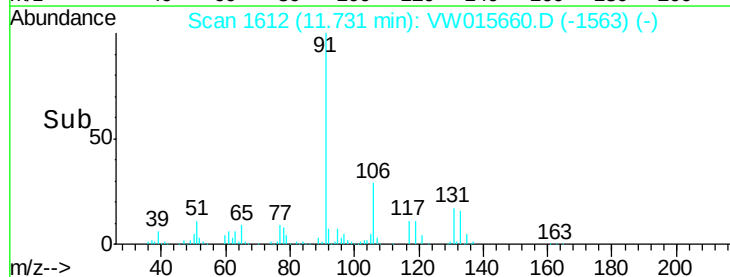
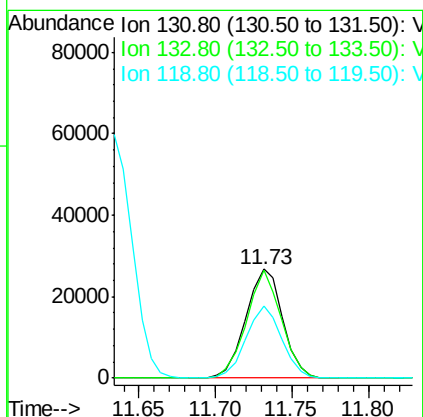
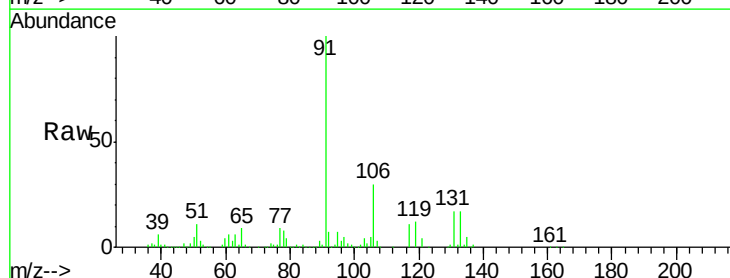
Manual Integrations
APPROVED

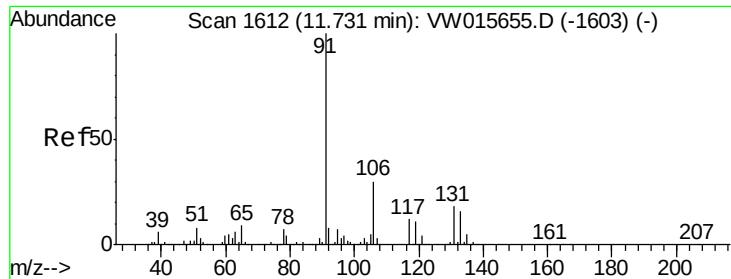
MMDadoda
6/24/2020 10:58:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.197 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion:131 Resp: 44862
Ion Ratio Lower Upper
131 100
133 93.5 46.5 139.5
119 64.3 32.5 97.5





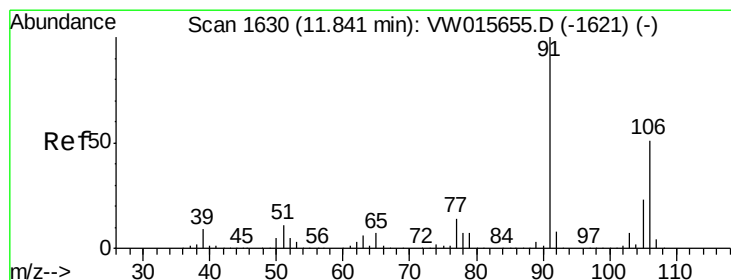
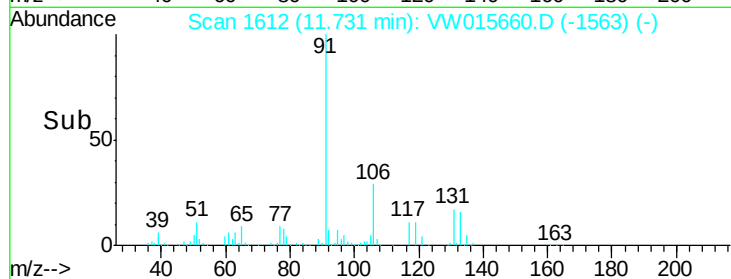
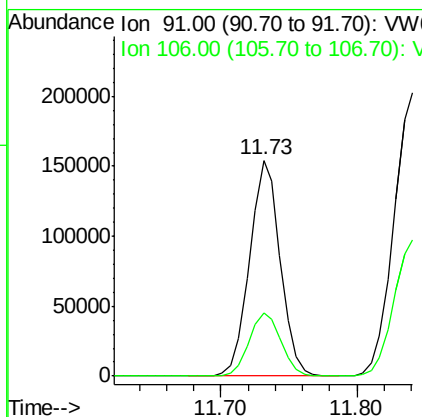
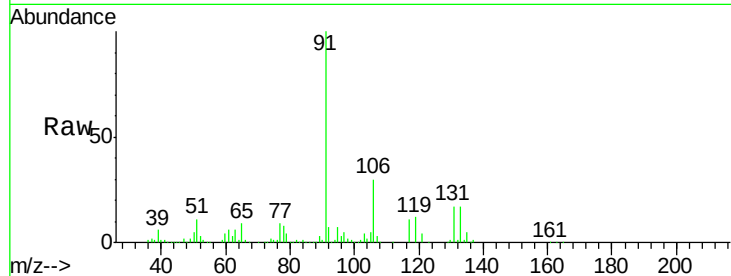
#67
Ethyl Benzene
Concen: 19.599 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 91 Resp: 243096
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

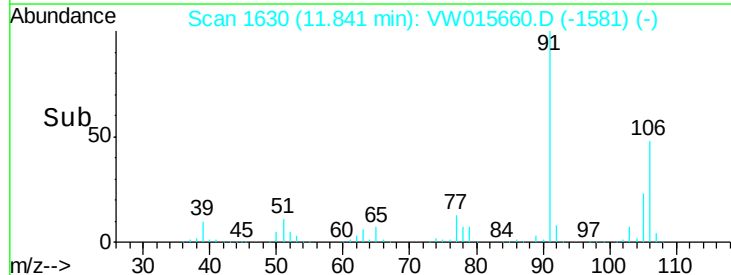
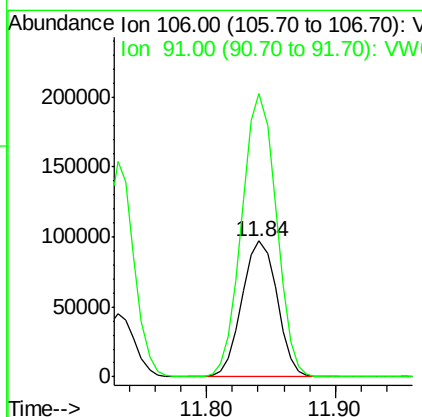
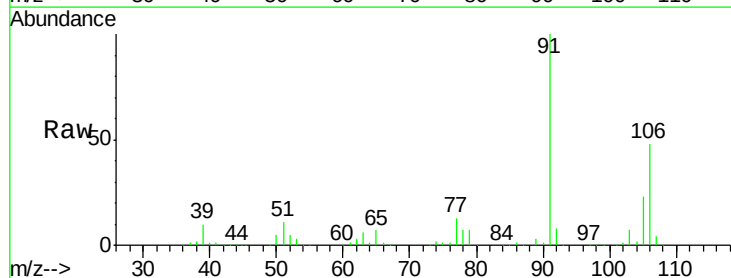
Manual Integrations
APPROVED

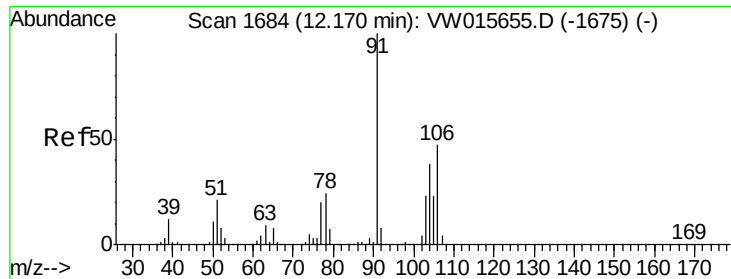
MMDadoda
6/24/2020 10:58:21 AM



#68
m/p-Xylenes
Concen: 39.237 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion: 106 Resp: 182749
Ion Ratio Lower Upper
106 100
91 205.7 162.6 244.0





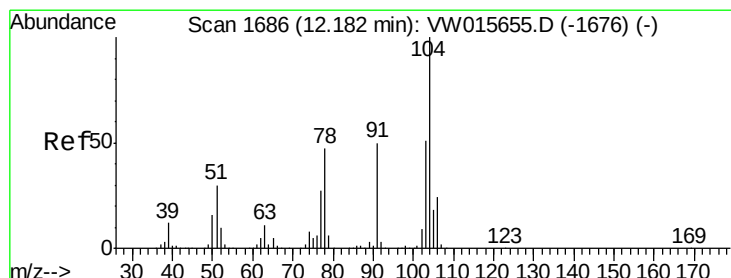
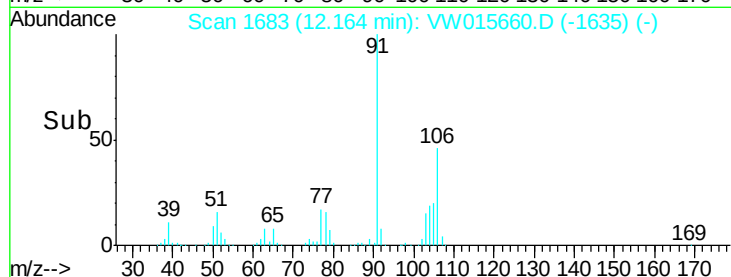
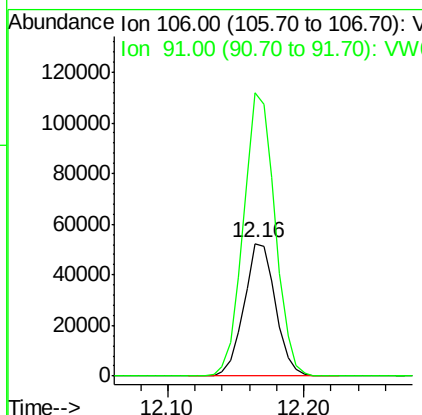
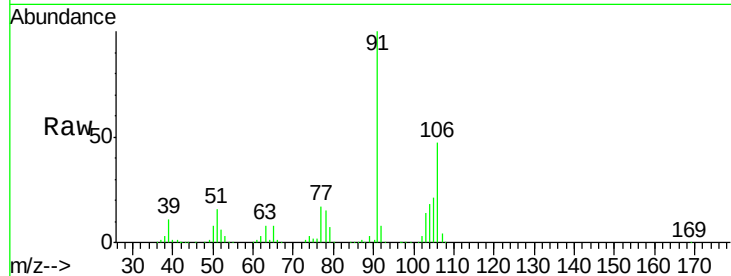
#69
o-Xylene
Concen: 19.763 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion:106 Resp: 84635
Ion Ratio Lower Upper
106 100
91 214.8 108.3 324.9

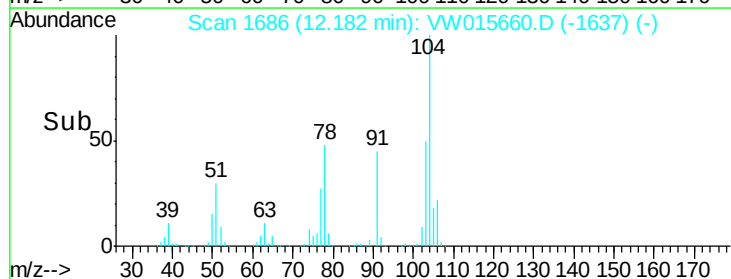
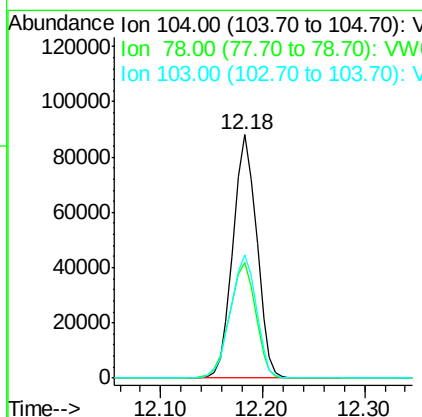
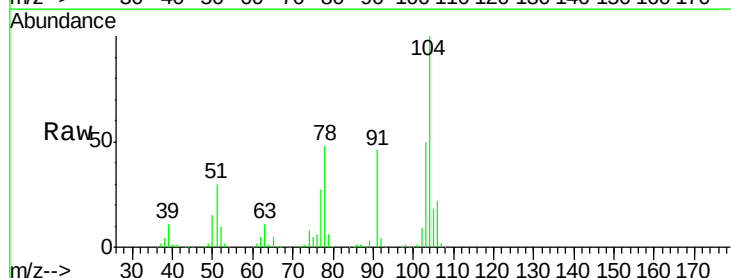
Manual Integrations
APPROVED

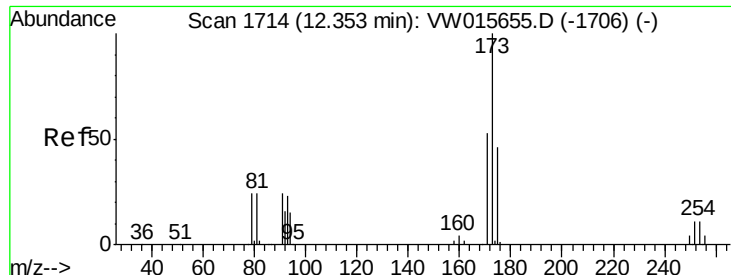
MMDadoda
6/24/2020 10:58:21 AM



#70
Styrene
Concen: 19.460 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion:104 Resp: 142386
Ion Ratio Lower Upper
104 100
78 52.1 40.9 61.3
103 54.5 43.1 64.7





#71

Bromoform

Concen: 18.774 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion:173 Resp: 20186

Ion Ratio Lower Upper

173 100

175 49.8 23.5 70.6

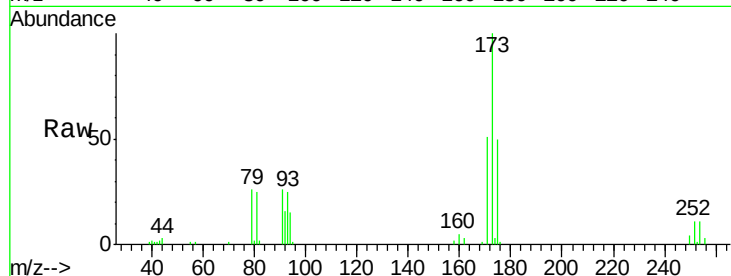
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

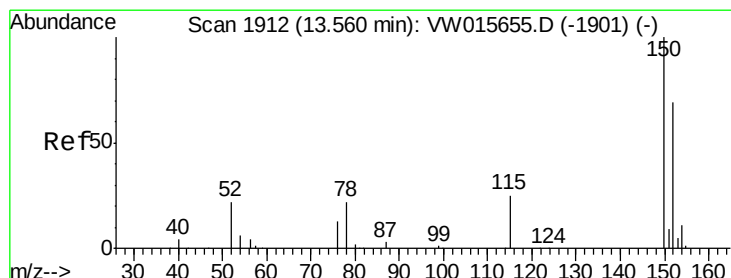
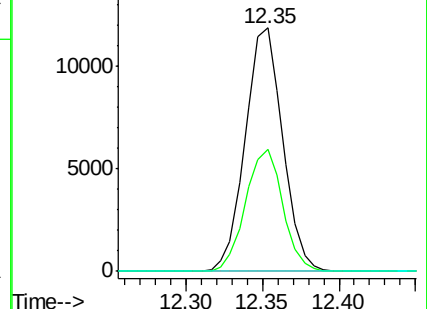
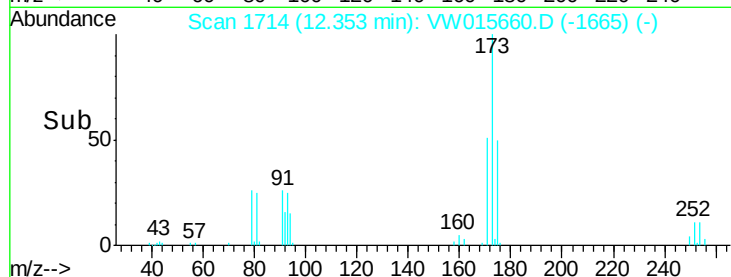
6/24/2020 10:58:21 AM



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: VW015660.D

Acq: 23 Jun 2020 14:40

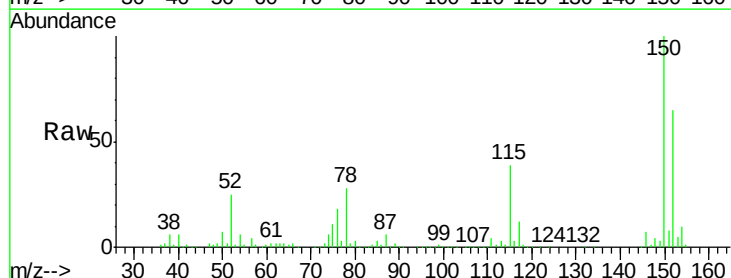
Tgt Ion:152 Resp: 158687

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.5

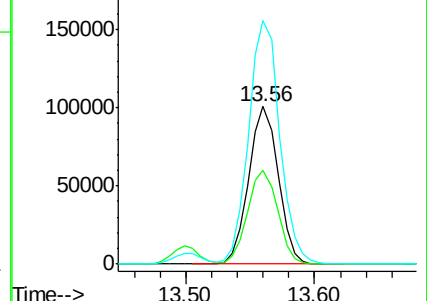
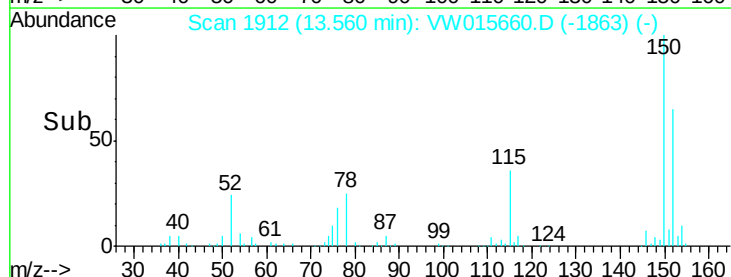
150 163.2 0.0 345.6

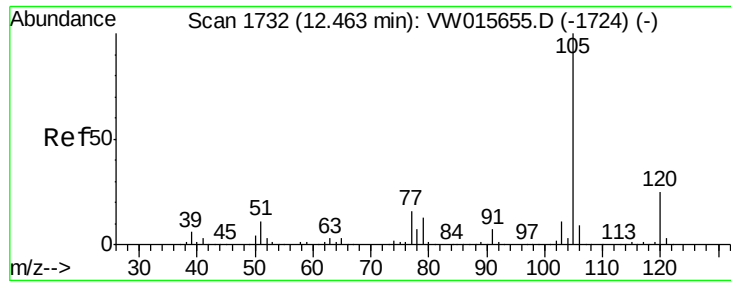


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.515 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion: 105 Resp: 236231

Ion Ratio Lower Upper

105 100

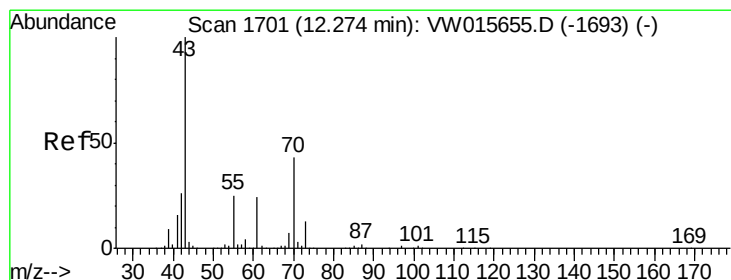
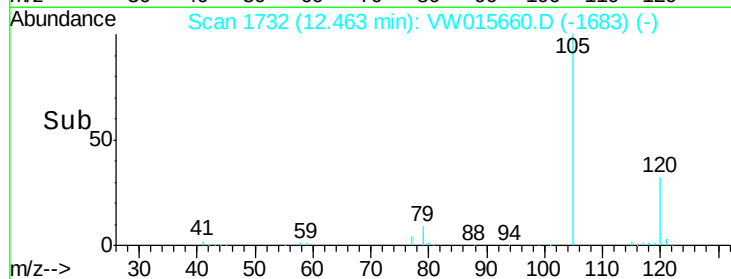
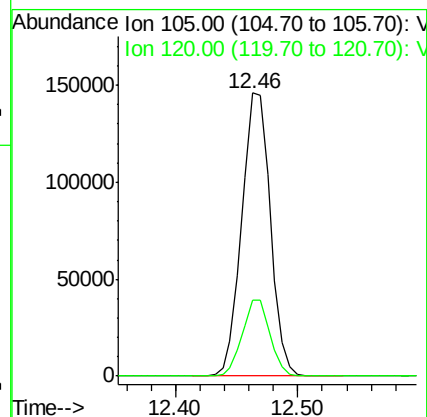
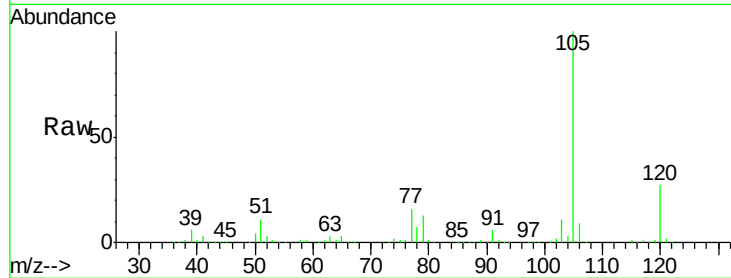
120 26.1 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



#74

N-ethyl acetate

Concen: 19.895 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion: 43 Resp: 51054

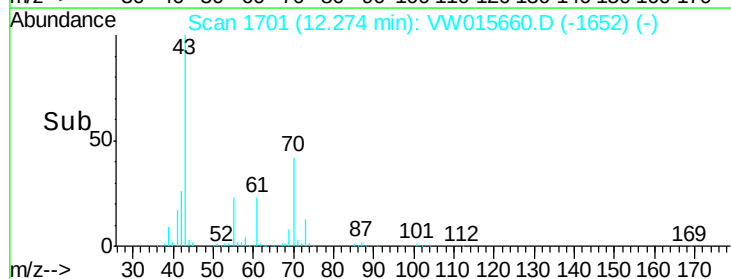
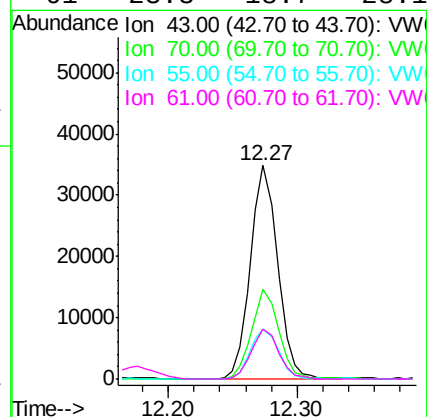
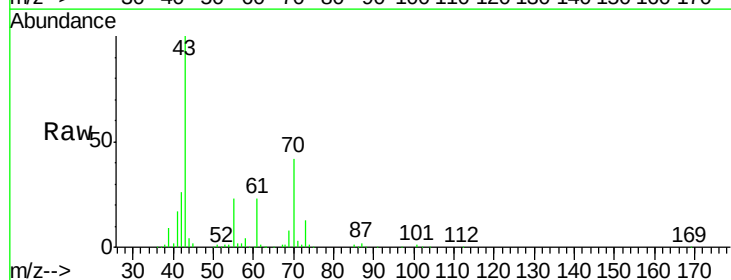
Ion Ratio Lower Upper

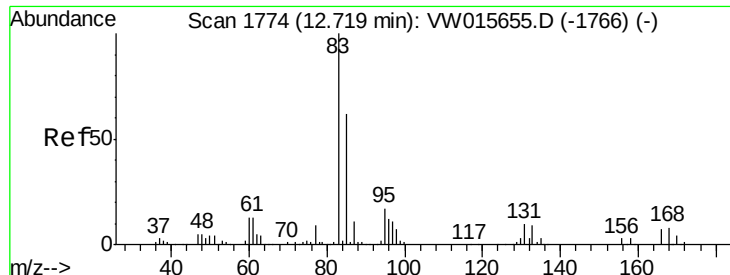
43 100

70 42.2 33.6 50.4

55 24.2 19.7 29.5

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.657 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

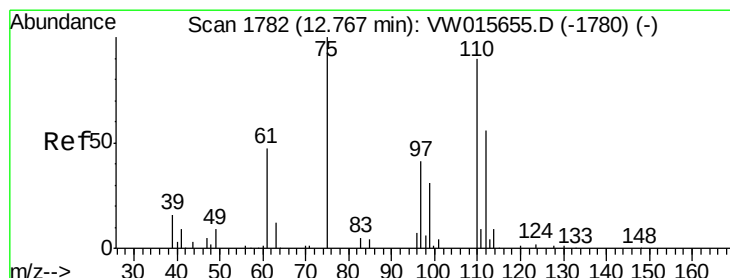
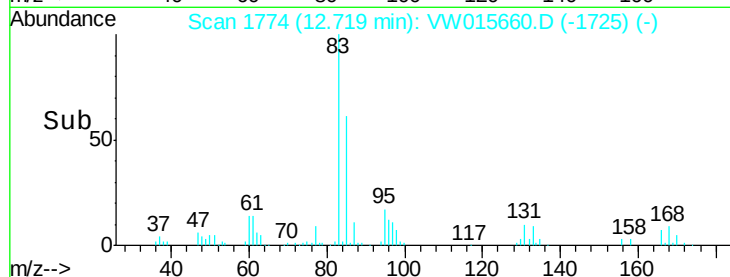
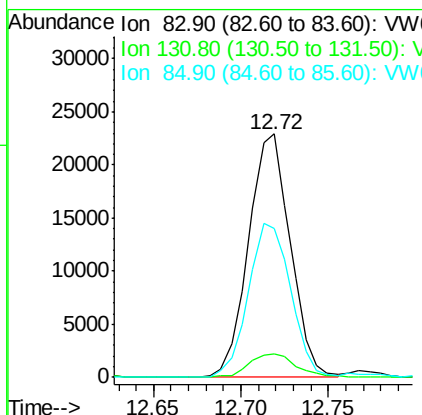
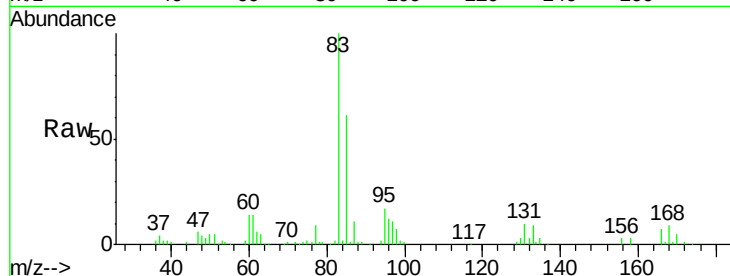
ClientSampleId :

VW0623SBS01

Tot Ion:	83	Resp:	38068
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.2	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#76

1,2,3-Trichloropropane

Concen: 19.499 ug/l m

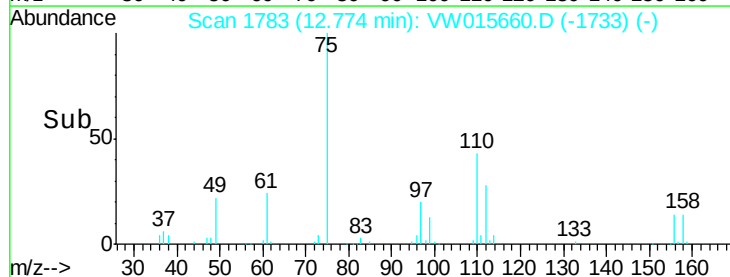
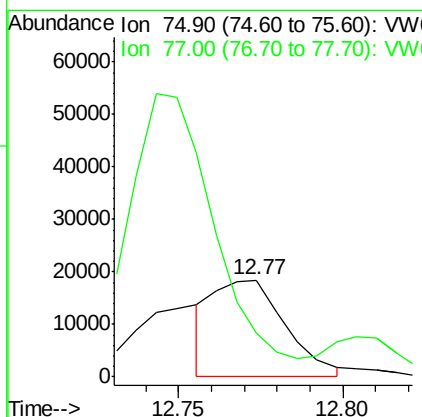
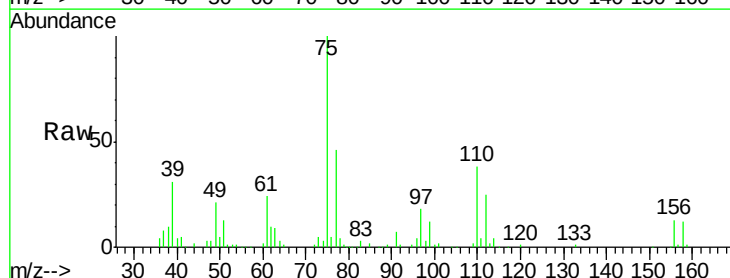
RT: 12.77 min Scan# 1783

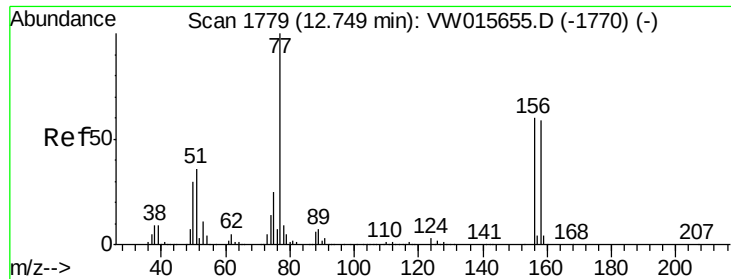
Delta R.T. 0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	75	Resp:	28224
Ion Ratio	Lower	Upper	
75	100		
77	0.0	179.1	537.1#





#77

Bromobenzene

Concen: 19.429 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

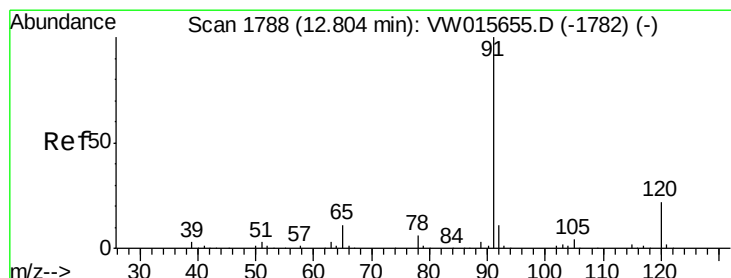
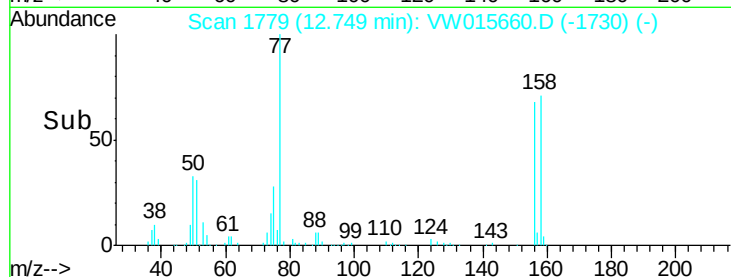
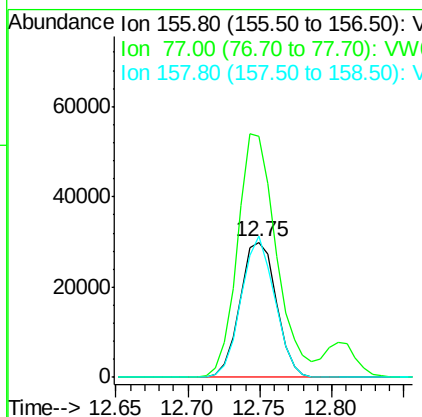
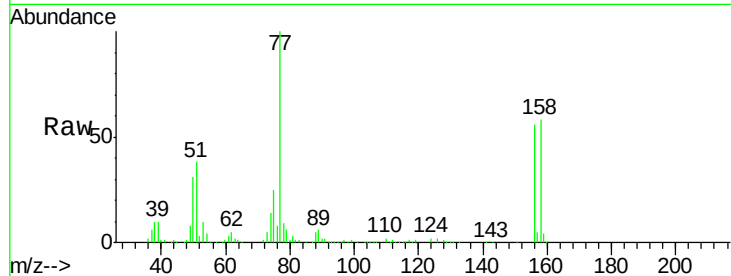
ClientSampleId :

VW0623SBS01

Tot Ion:	156	Resp:	52443
Ion Ratio	Lower	Upper	
156	100		
77	192.4	94.5	283.5
158	95.9	47.9	143.6

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#78

n-propylbenzene

Concen: 19.404 ug/l

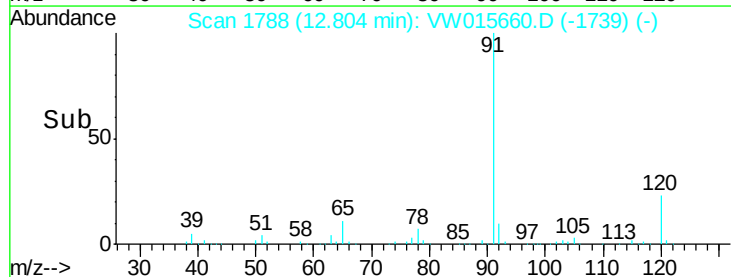
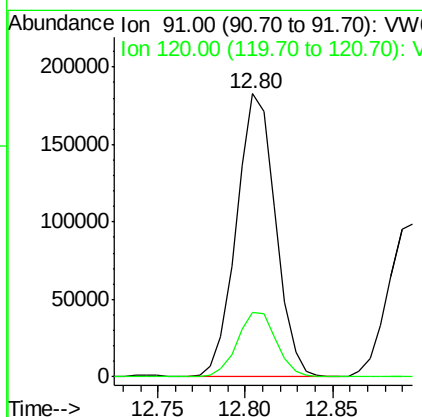
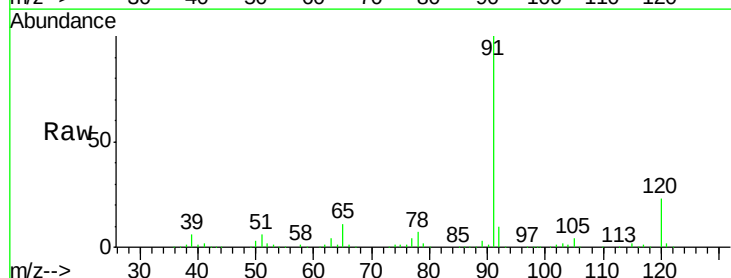
RT: 12.80 min Scan# 1788

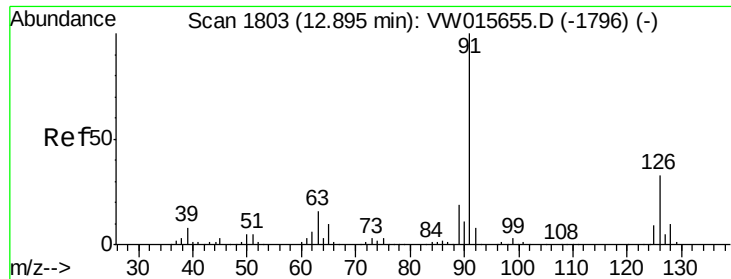
Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	91	Resp:	282741
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.814 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

VW0623SBS01

Tot Ion: 91 Resp: 162558

Ion Ratio Lower Upper

91 100

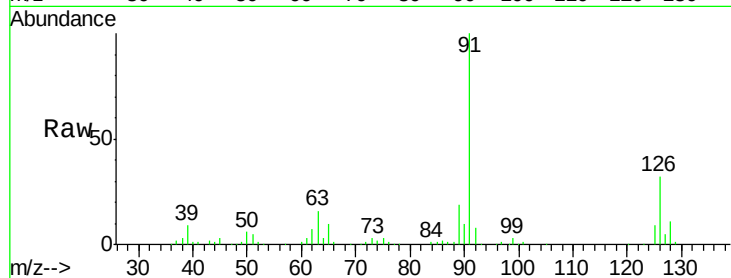
126 33.0 16.6 49.8

Manual Integrations

APPROVED

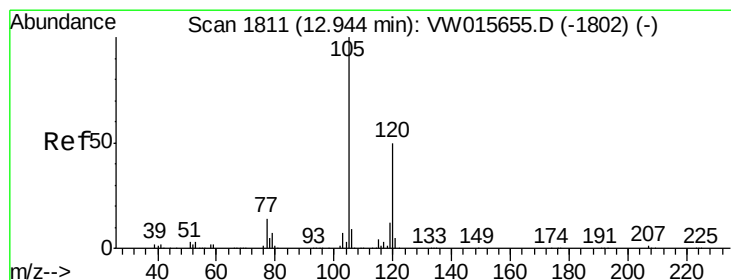
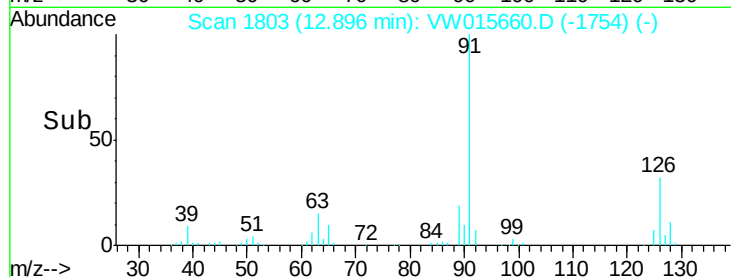
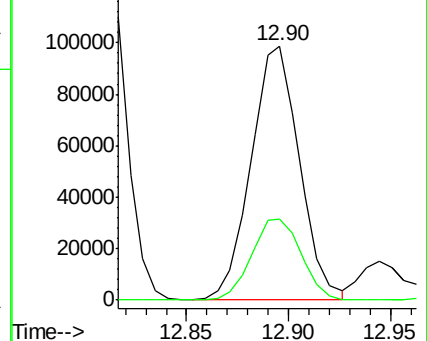
MMDadoda

6/24/2020 10:58:21 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.946 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015660.D

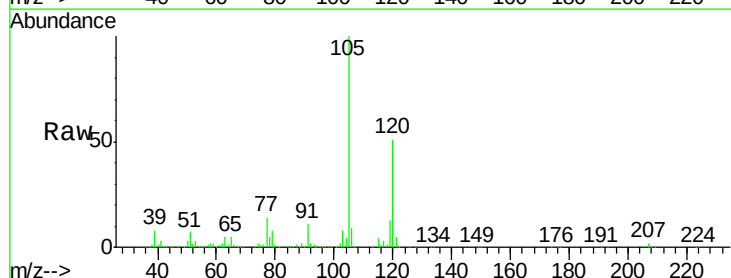
Acq: 23 Jun 2020 14:40

Tgt Ion:105 Resp: 204586

Ion Ratio Lower Upper

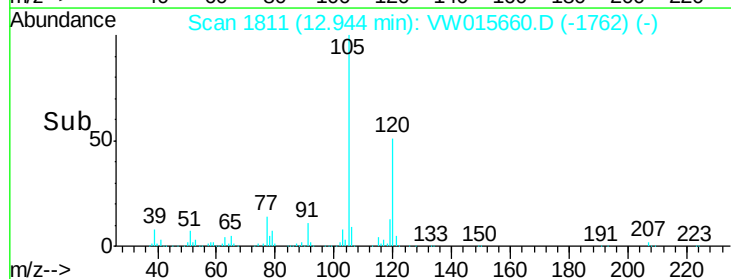
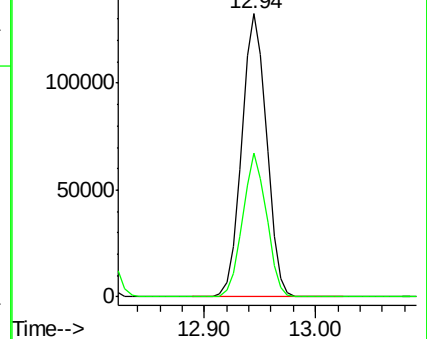
105 100

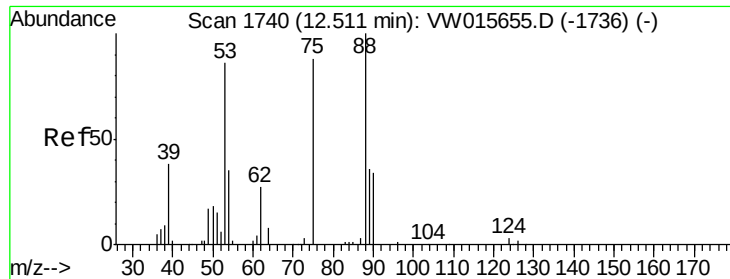
120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





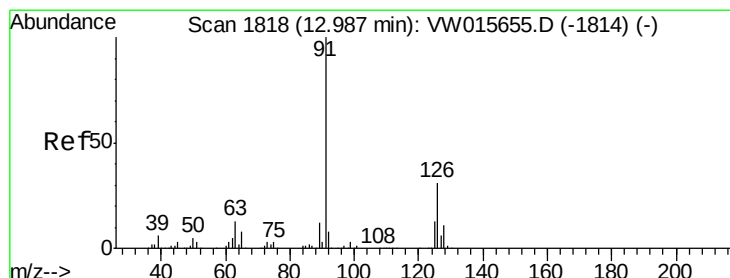
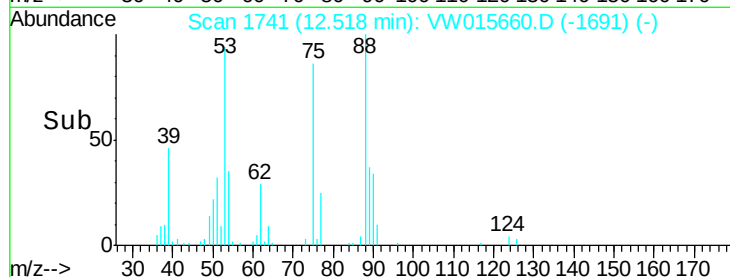
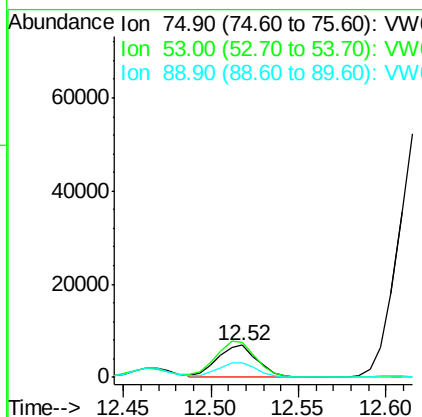
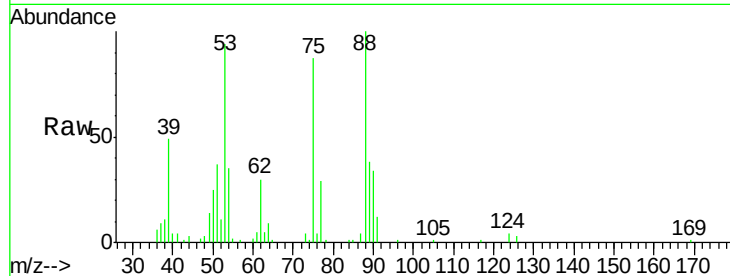
#81
trans-1,4-Dichloro-2-butene
Concen: 18.846 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	83.8	125.8
89	45.6	36.6	55.0

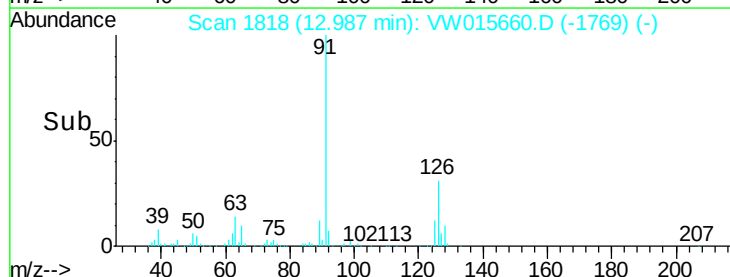
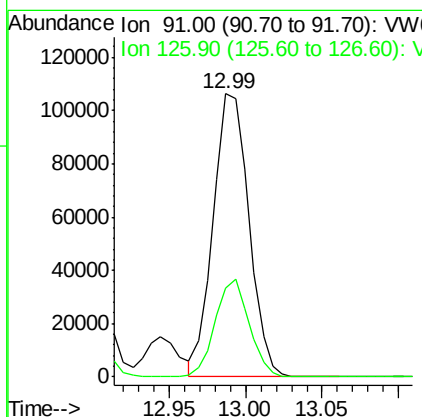
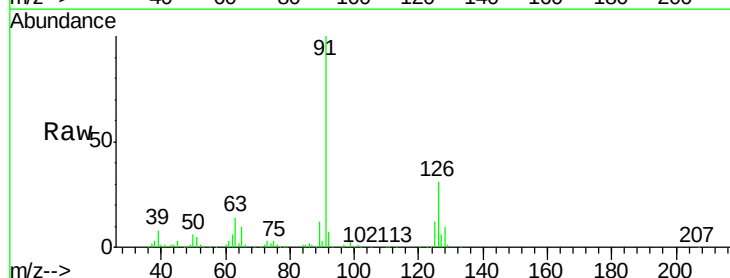
Manual Integrations
APPROVED

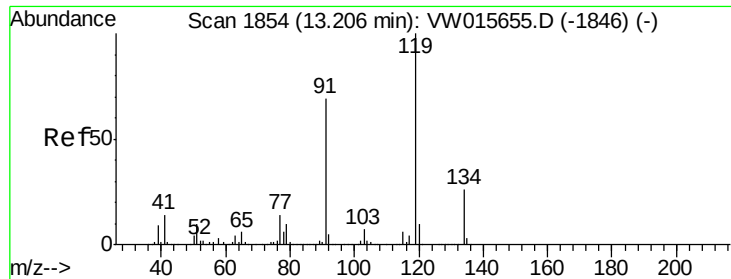
MMDadoda
6/24/2020 10:58:21 AM



#82
4-Chlorotoluene
Concen: 19.887 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.9





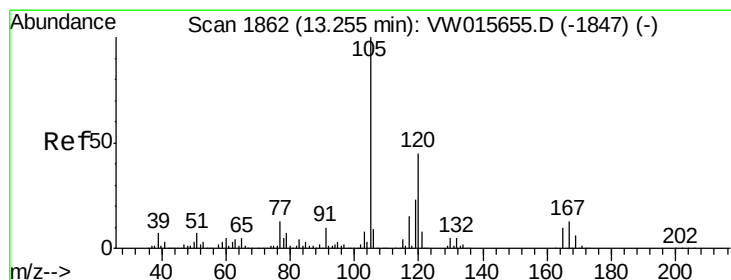
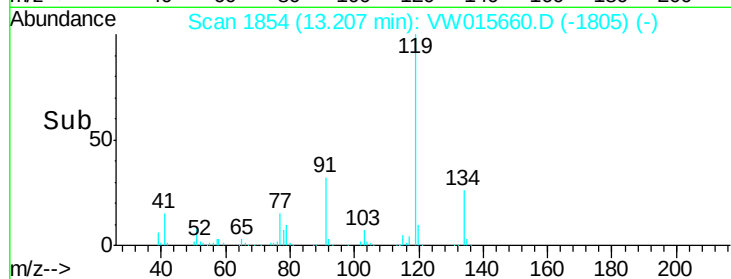
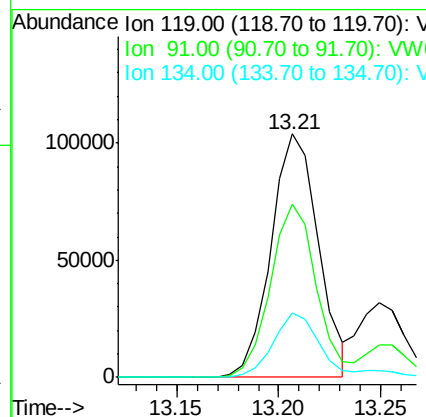
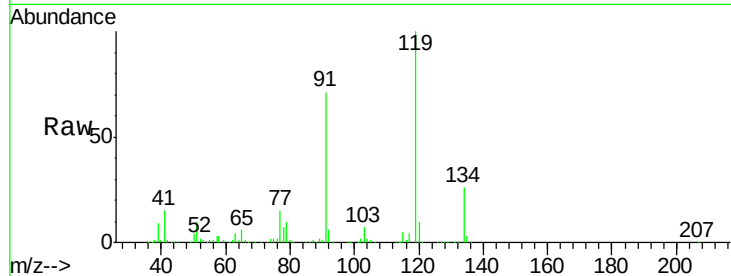
#83
 tert-Butylbenzene
 Concen: 19.418 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampled :
 VW0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168285		
91	69.6		34.7	104.1
134	25.4		13.8	41.4

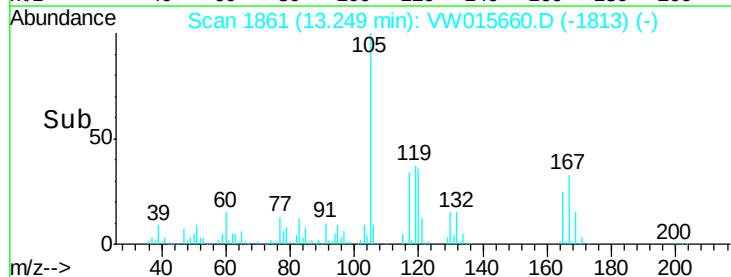
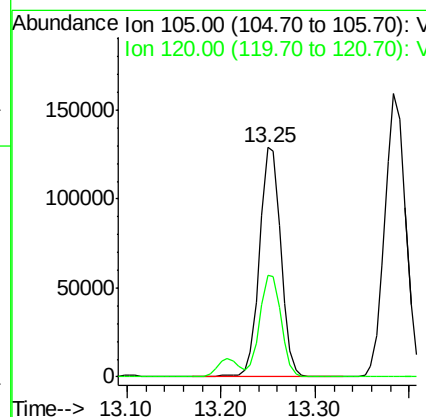
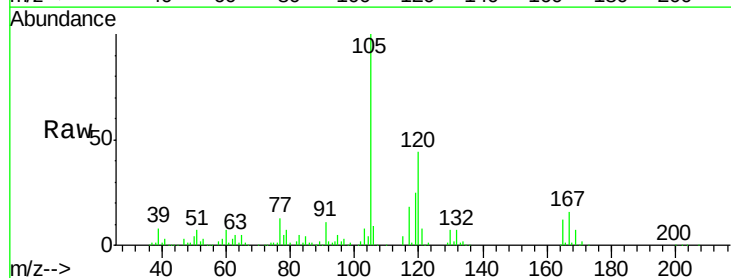
Manual Integrations
 APPROVED

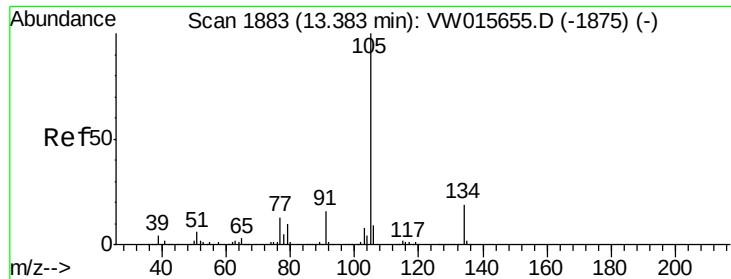
MMDadoda
 6/24/2020 10:58:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.936 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203928		
120	44.7		22.8	68.3





#85

sec-Butylbenzene

Concen: 19.813 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

Tot Ion:105 Resp: 245404

Ion Ratio Lower Upper

105 100

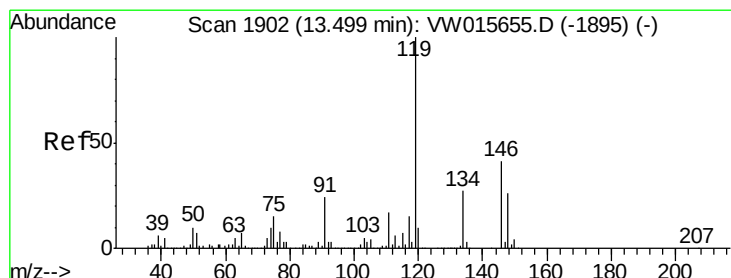
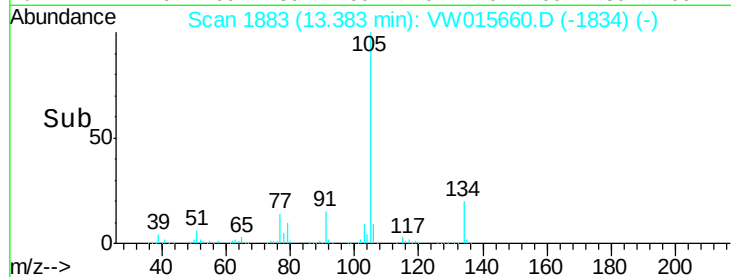
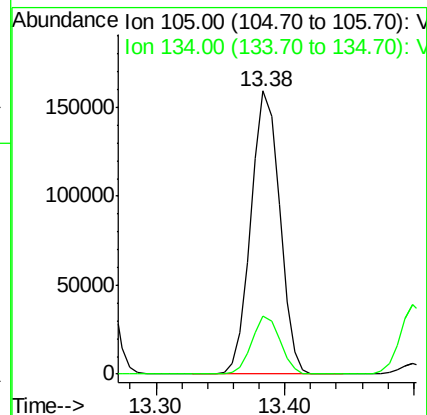
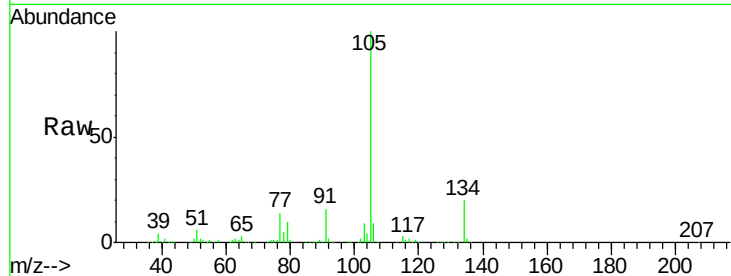
134 20.3 10.0 29.8

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:58:21 AM



#86

p-Isopropyltoluene

Concen: 20.167 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

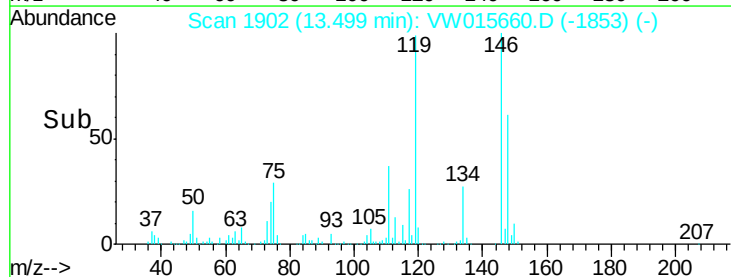
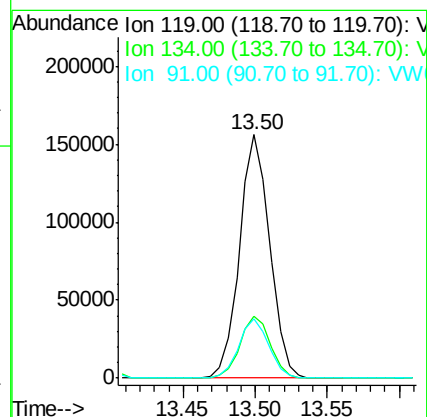
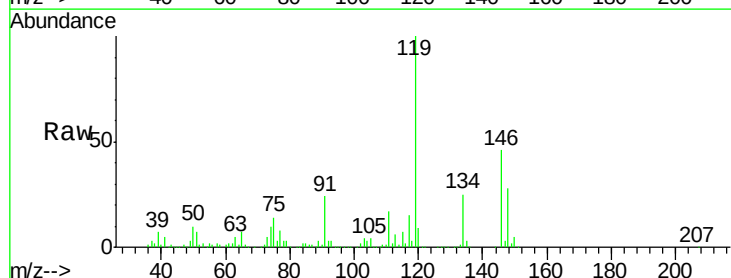
Tgt Ion:119 Resp: 226953

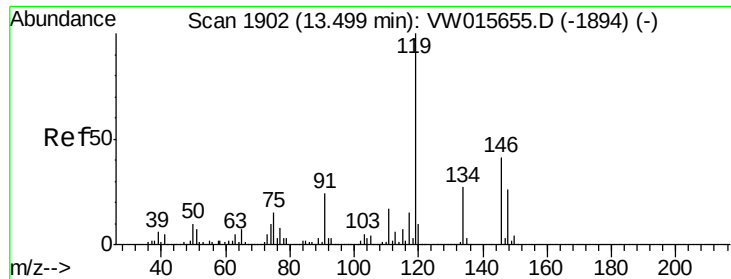
Ion Ratio Lower Upper

119 100

134 25.7 13.5 40.4

91 24.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.411 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

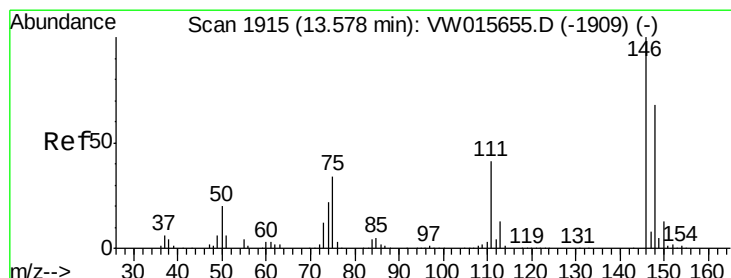
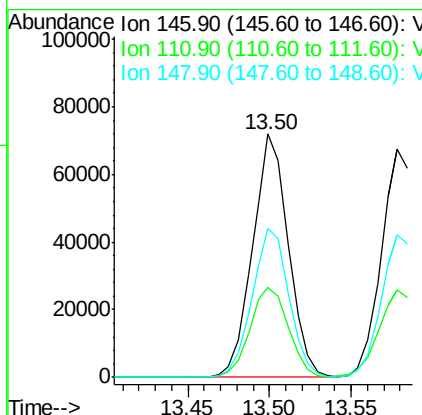
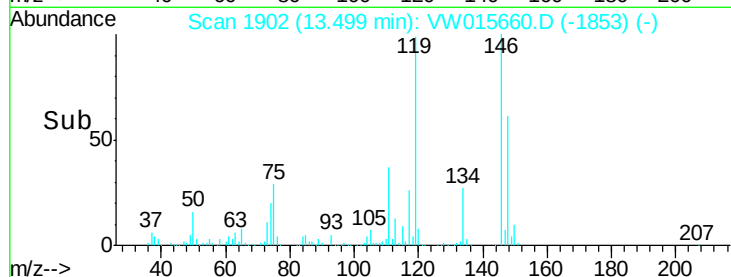
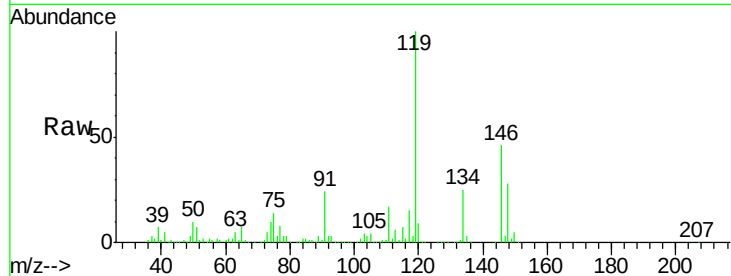
Instrument :
MSVOA_W

ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	109367		
111	39.8	20.3	60.8	
148	63.1	31.6	94.7	

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#88

1,4-Dichlorobenzene

Concen: 20.150 ug/l

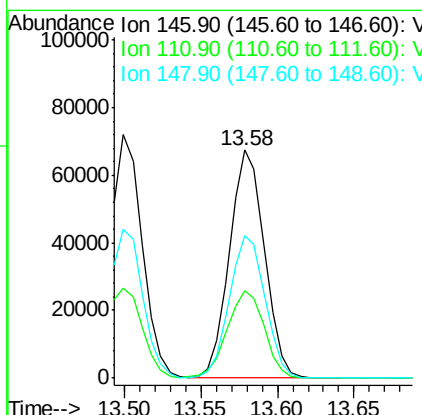
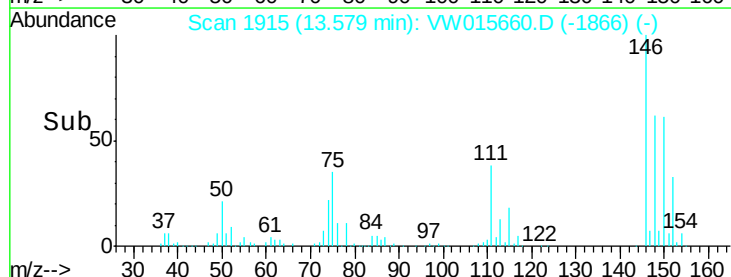
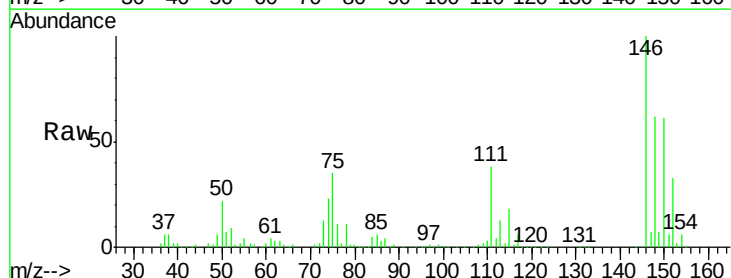
RT: 13.58 min Scan# 1915

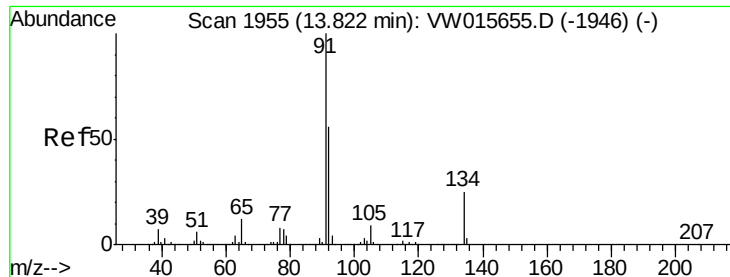
Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106938		
111	40.7	20.3	60.9	
148	63.5	33.7	101.1	





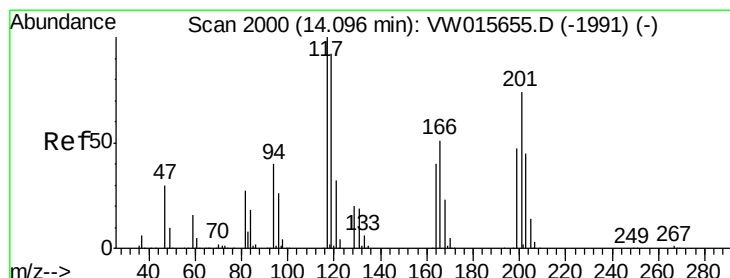
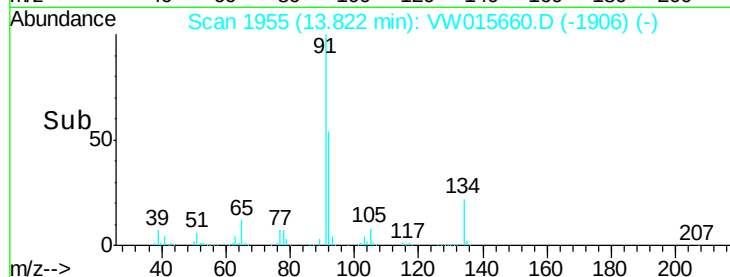
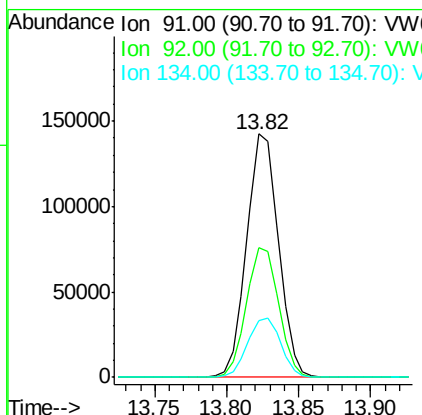
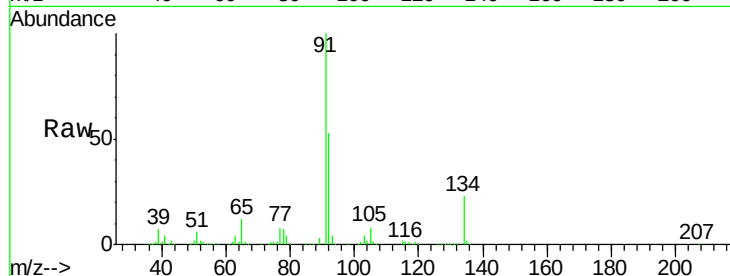
#89
n-Butylbenzene
Concen: 20.124 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	25.3	13.0	38.9

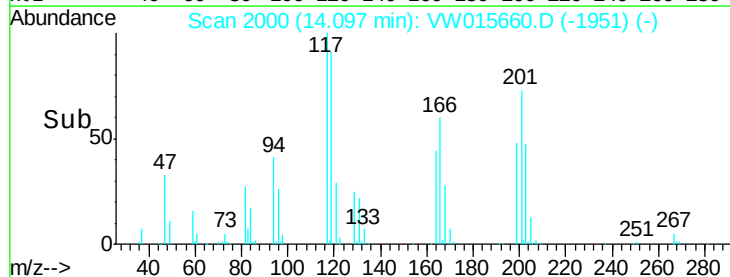
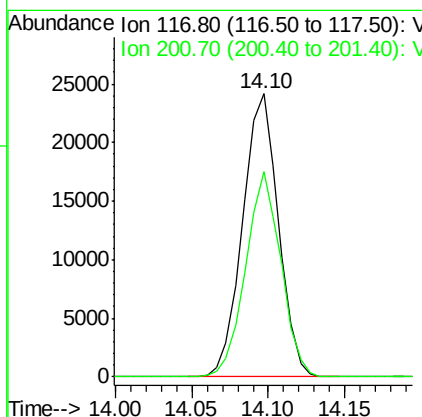
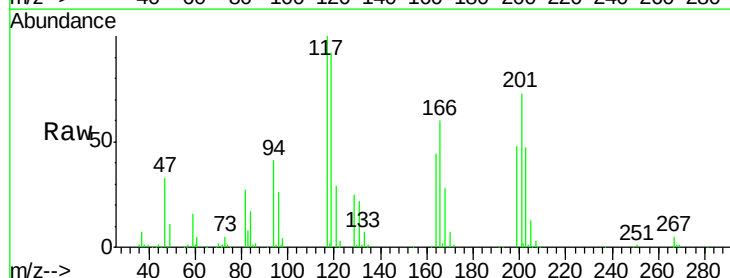
Manual Integrations
APPROVED

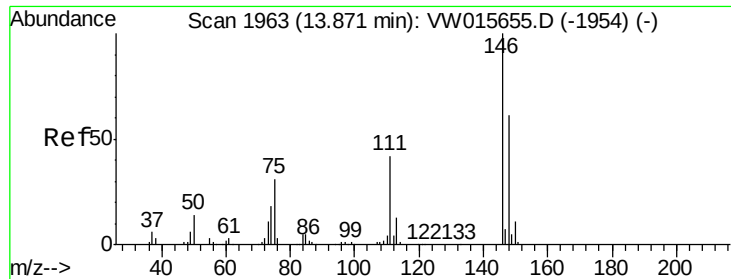
MMDadoda
6/24/2020 10:58:21 AM



#90
Hexachloroethane
Concen: 19.566 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015660.D
Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	37.1	111.5





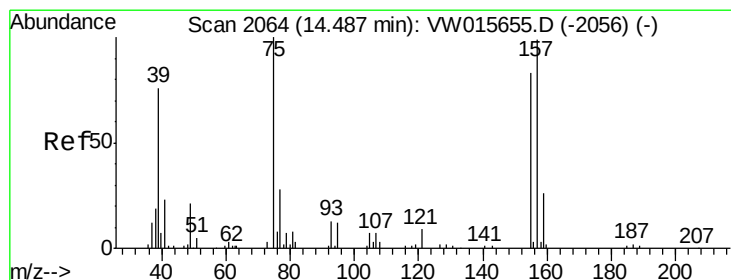
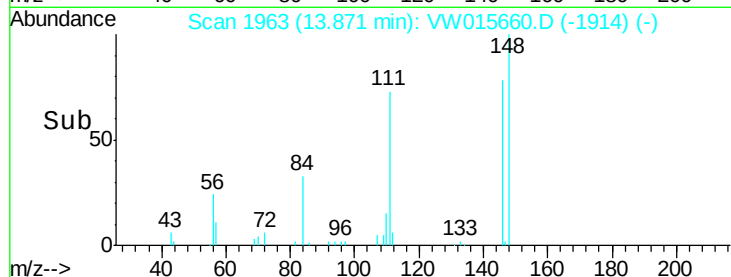
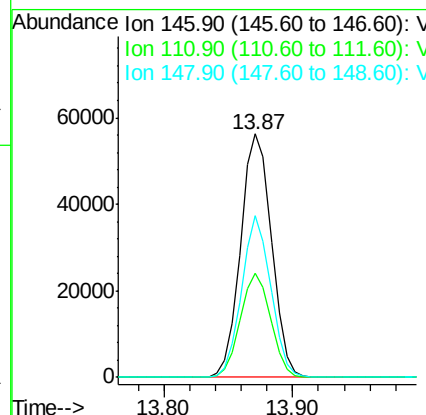
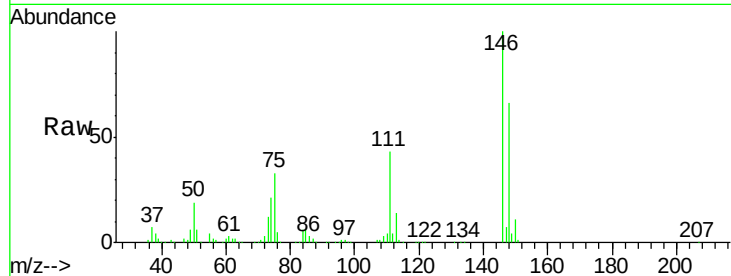
#91
 1,2-Dichlorobenzene
 Concen: 20.124 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	62.9	32.2	96.6

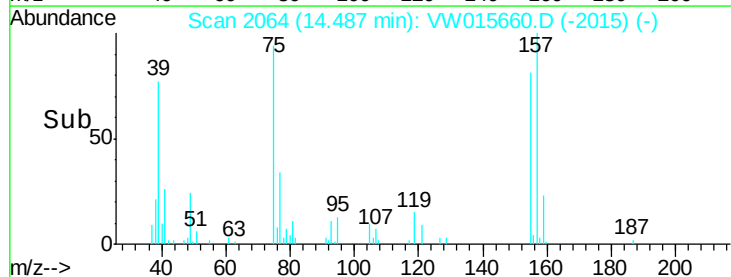
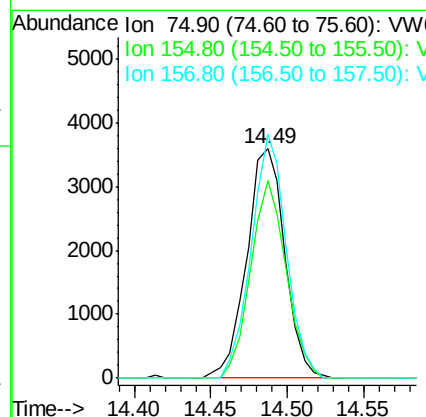
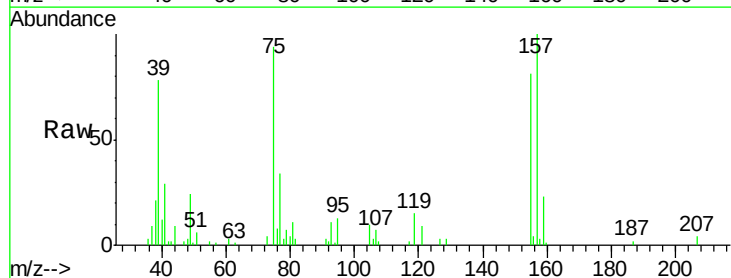
Manual Integrations
 APPROVED

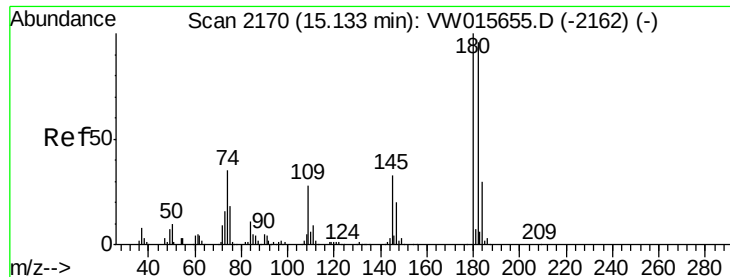
MMDadoda
 6/24/2020 10:58:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.032 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	40.8	122.2
157	97.1	50.7	152.1





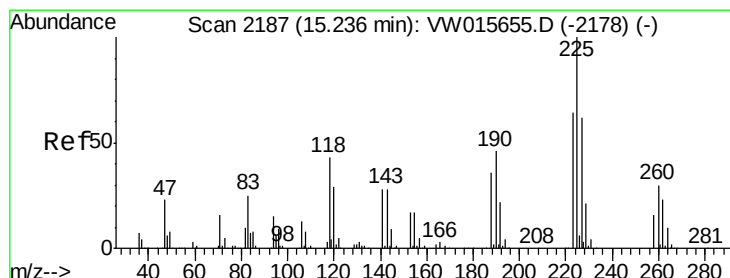
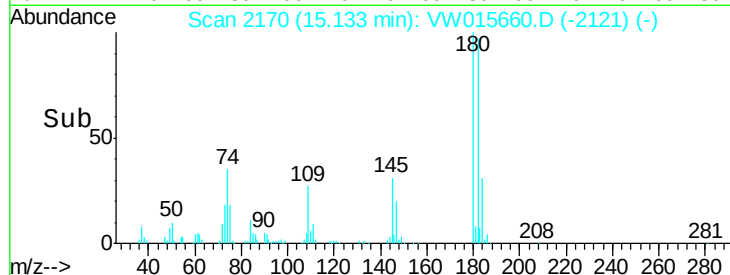
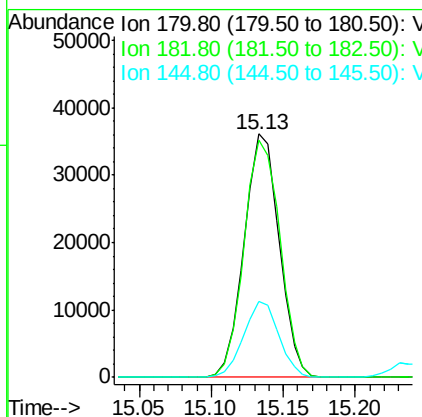
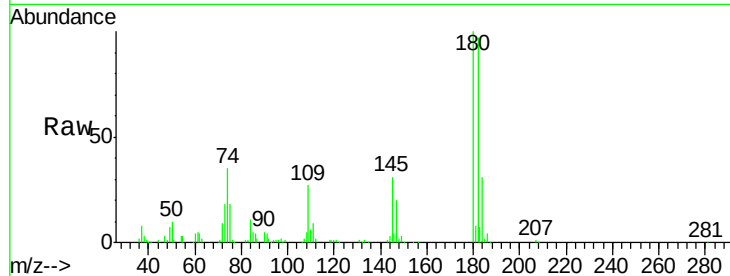
#93
 1,2,4-Trichlorobenzene
 Concen: 19.914 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60926		
182	99.8	47.9	143.6	
145	31.2	15.6	46.7	

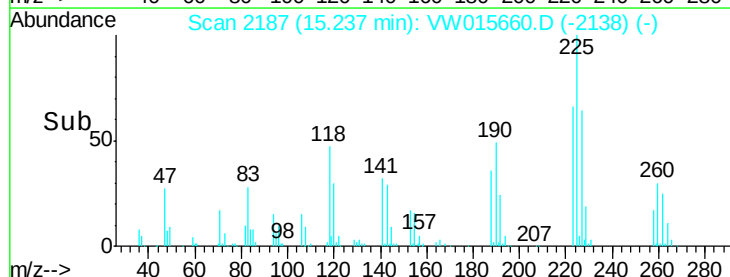
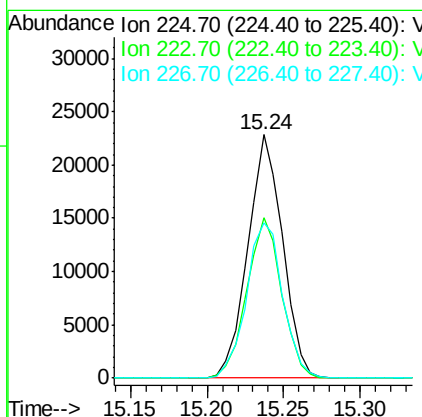
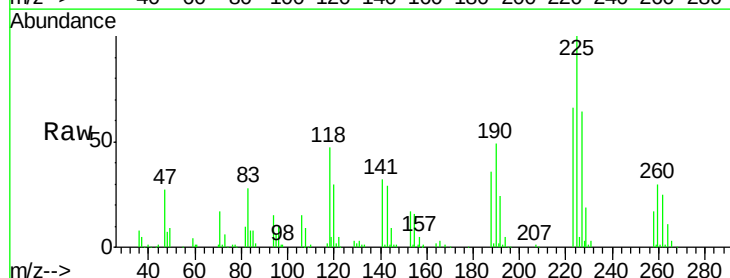
Manual Integrations
 APPROVED

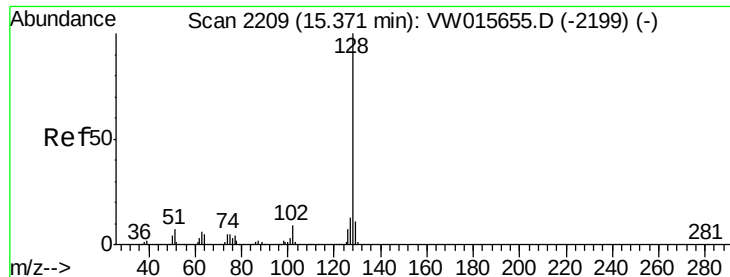
MMDadoda
 6/24/2020 10:58:21 AM



#94
 Hexachlorobutadiene
 Concen: 18.502 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015660.D
 Acq: 23 Jun 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36063		
223	65.9	31.0	93.0	
227	66.3	31.9	95.9	





#95

Naphthalene

Concen: 20.206 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Instrument :

MSVOA_W

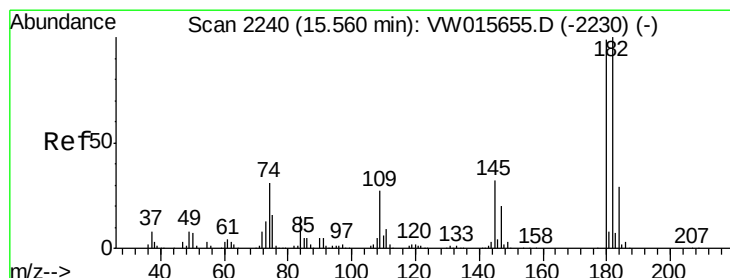
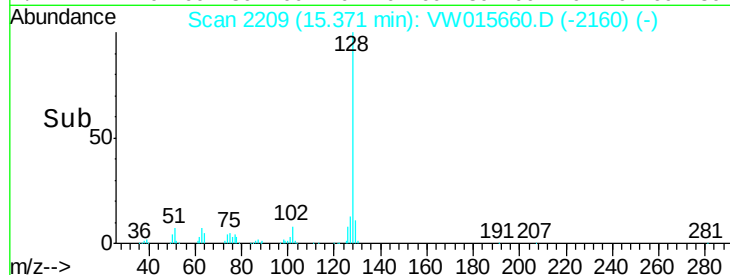
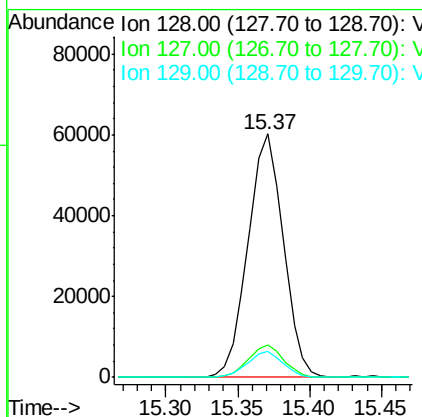
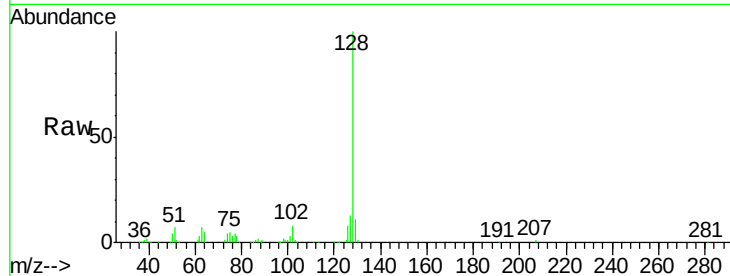
ClientSampleId :

VW0623SBS01

Tot Ion:	128	Resp:	102248
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:58:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.474 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015660.D

Acq: 23 Jun 2020 14:40

Tgt Ion:	180	Resp:	53932
Ion Ratio	Lower	Upper	
180	100		
182	92.9	49.0	147.0
145	31.6	16.4	49.2

