

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010655.D
 Acq On : 03 Jun 2019 13:15
 Operator : SY/VA
 Sample : VW0603SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0603SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:12:51 PM

Quant Time: Jun 04 07:53:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	89261	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	7.88	113	94556	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.32	98	357585	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.62	95	138209	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	24388	14.541	ug/l 100
3) Chloromethane	2.21	50	26575	13.618	ug/l 98
4) Vinyl Chloride	2.35	62	31733	14.039	ug/l 96
5) Bromomethane	2.75	94	24818	15.960	ug/l 98
6) Chloroethane	2.90	64	23551	16.231	ug/l 99
7) Trichlorofluoromethane	3.25	101	63840	19.130	ug/l 98
8) Diethyl Ether	3.68	74	20120	19.020	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41125	20.011	ug/l 95
10) Methyl Iodide	4.26	142	34252	14.581	ug/l 99
11) Tert butyl alcohol	5.17	59	17120	99.283	ug/l 96
12) 1,1-Dichloroethene	4.03	96	37009	18.865	ug/l 96
13) Acrolein	3.89	56	8218	65.306	ug/l 98
14) Allyl chloride	4.67	41	51382	18.094	ug/l 99
15) Acrylonitrile	5.37	53	40020	90.333	ug/l 99
16) Acetone	4.12	43	35104	89.708	ug/l 94
17) Carbon Disulfide	4.38	76	89545	15.303	ug/l 100
18) Methyl Acetate	4.67	43	19092	19.949	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	97120	19.419	ug/l 95
20) Methylene Chloride	4.91	84	42842	15.121	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	43364	19.271	ug/l 95
22) Diisopropyl ether	6.31	45	111097	19.080	ug/l 97
23) Vinyl Acetate	6.26	43	316106	90.883	ug/l 98
24) 1,1-Dichloroethane	6.21	63	67934	19.551	ug/l 95
25) 2-Butanone	7.17	43	54314	96.989	ug/l 97
26) 2,2-Dichloropropane	7.17	77	66287	20.027	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	48886	19.983	ug/l 98
28) Bromochloromethane	7.51	49	24222	19.470	ug/l 88
29) Tetrahydrofuran	7.53	42	33064	87.254	ug/l 99
30) Chloroform	7.68	83	74605	19.905	ug/l 96
31) Cyclohexane	7.95	56	64638	17.759	ug/l # 90
32) 1,1,1-Trichloroethane	7.87	97	71237	19.886	ug/l 98
36) 1,1-Dichloropropene	8.08	75	57941	21.128	ug/l 98
37) Ethyl Acetate	7.25	43	23242	19.930	ug/l 97
38) Carbon Tetrachloride	8.07	117	64406	21.771	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010655.D
 Acq On : 03 Jun 2019 13:15
 Operator : SY/VA
 Sample : VW0603SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0603SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:12:51 PM

Quant Time: Jun 04 07:53:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76232	20.748	ug/l	96
40) Benzene	8.32	78	163147	21.404	ug/l	98
41) Methacrylonitrile	7.48	41	12975	18.725	ug/l	97
42) 1,2-Dichloroethane	8.40	62	46490	21.340	ug/l	100
43) Isopropyl Acetate	8.43	43	46266	19.858	ug/l	99
44) Trichloroethene	9.09	130	50503	22.318	ug/l	96
45) 1,2-Dichloropropane	9.37	63	38368	21.194	ug/l	97
46) Dibromomethane	9.46	93	23360	22.065	ug/l	96
47) Bromodichloromethane	9.65	83	55508	20.864	ug/l	99
48) Methyl methacrylate	9.44	41	21351	20.032	ug/l	97
49) 1,4-Dioxane	9.45	88	6061	350.460	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	115623	97.939	ug/l	98
52) Toluene	10.39	92	112582	21.993	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	55303	20.525	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	64931	21.101	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34020	22.346	ug/l	94
56) Ethyl methacrylate	10.65	69	40802	19.433	ug/l	98
57) 1,3-Dichloropropane	10.93	76	54878	21.520	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	94921	102.066	ug/l	96
59) 2-Hexanone	10.97	43	82781	98.297	ug/l	99
60) Dibromochloromethane	11.13	129	41478	21.527	ug/l	99
61) 1,2-Dibromoethane	11.24	107	33064	21.440	ug/l	100
64) Tetrachloroethene	10.86	164	42901	23.485	ug/l	96
65) Chlorobenzene	11.66	112	125850	22.534	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46128	23.057	ug/l	100
67) Ethyl Benzene	11.73	91	213569	21.659	ug/l	100
68) m/p-Xylenes	11.84	106	170205	44.009	ug/l	98
69) o-Xylene	12.16	106	79711	21.754	ug/l	99
70) Styrene	12.18	104	135293	21.761	ug/l	99
71) Bromoform	12.35	173	22997	20.874	ug/l	# 99
73) Isopropylbenzene	12.46	105	218515	21.106	ug/l	99
74) N-amyl acetate	12.27	43	42052	17.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	37221	19.766	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	25485m	19.244	ug/l	
77) Bromobenzene	12.75	156	53195	22.960	ug/l	93
78) n-propylbenzene	12.80	91	245816	20.374	ug/l	98
79) 2-Chlorotoluene	12.90	91	144087	20.593	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	179246	20.442	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11162	17.590	ug/l	95
82) 4-Chlorotoluene	12.99	91	149682	20.610	ug/l	97
83) tert-Butylbenzene	13.21	119	161063	21.029	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	180491	20.668	ug/l	100
85) sec-Butylbenzene	13.38	105	222177	20.728	ug/l	99
86) p-Isopropyltoluene	13.50	119	202758	20.899	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101451	22.319	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100886	22.122	ug/l	99
89) n-Butylbenzene	13.83	91	184006	19.940	ug/l	99
90) Hexachloroethane	14.10	117	38378	20.437	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	91636	22.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6380	18.221	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
Data File : VW010655.D
Acq On : 03 Jun 2019 13:15
Operator : SY/VA
Sample : VW0603SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

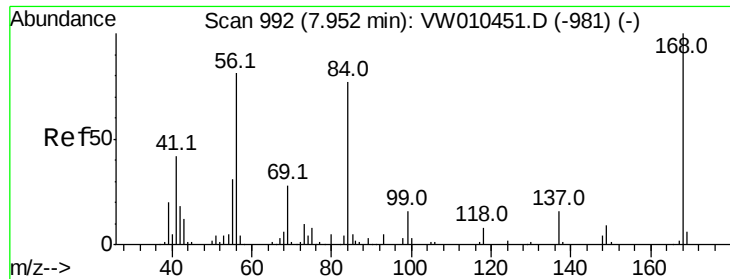
Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM

Quant Time: Jun 04 07:53:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	60462	21.456	ug/l	98
94) Hexachlorobutadiene	15.24	225	34928	23.202	ug/l	99
95) Naphthalene	15.37	128	115042	19.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	53270	21.970	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion:168 Resp: 185730

Ion Ratio Lower Upper

168 100

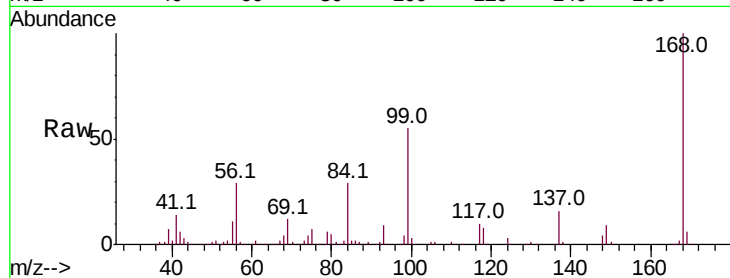
99 55.3 46.1 69.1

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

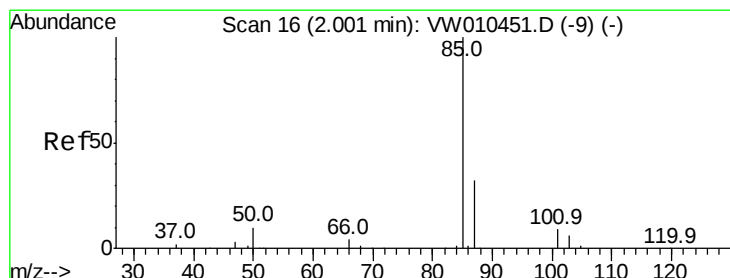
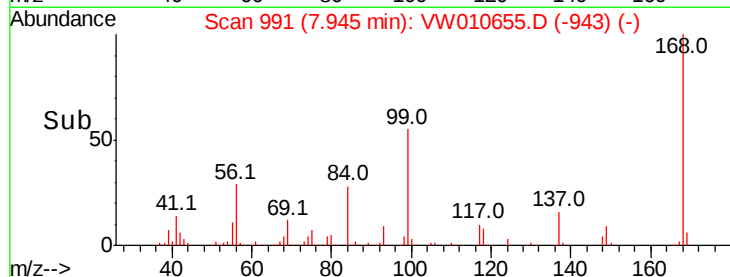
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 14.541 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010655.D

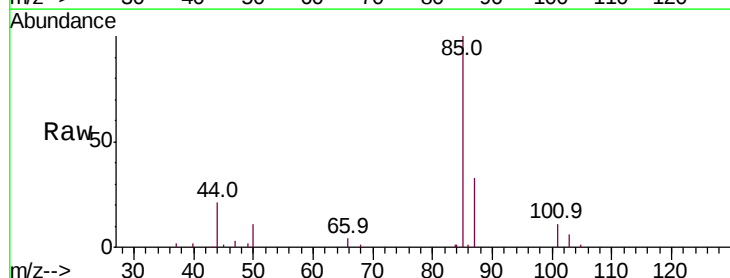
Acq: 03 Jun 2019 13:15

Tgt Ion: 85 Resp: 24388

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

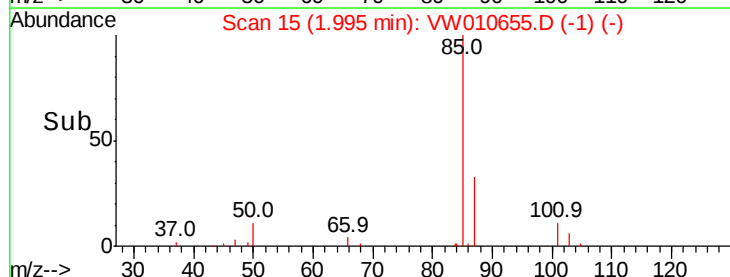
15000

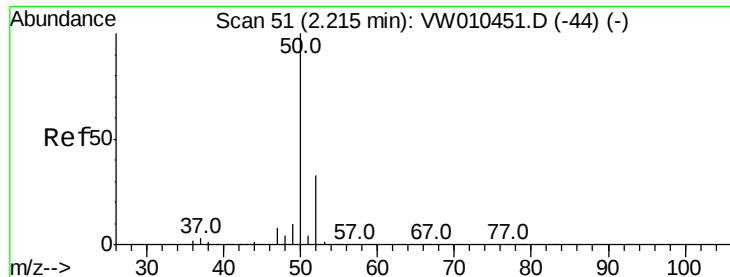
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 13.618 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 50 Resp: 26575

Ion Ratio Lower Upper

50 100

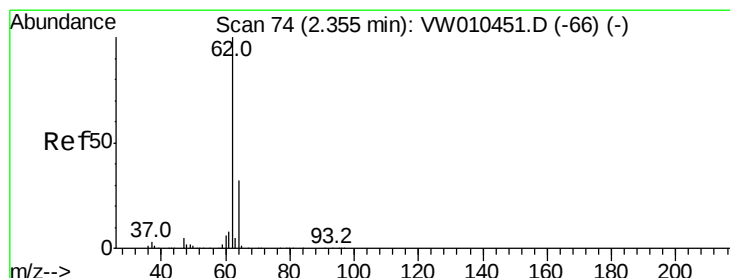
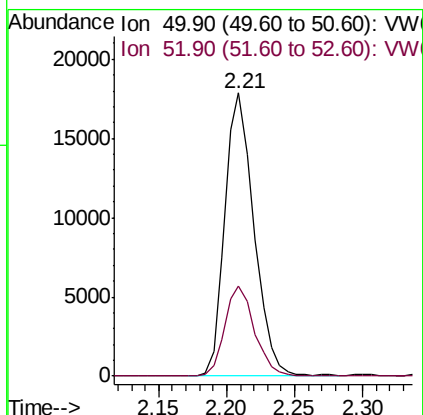
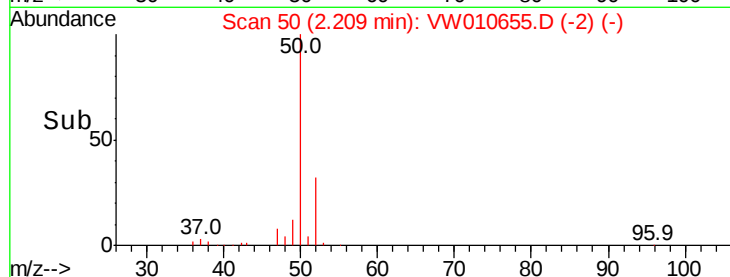
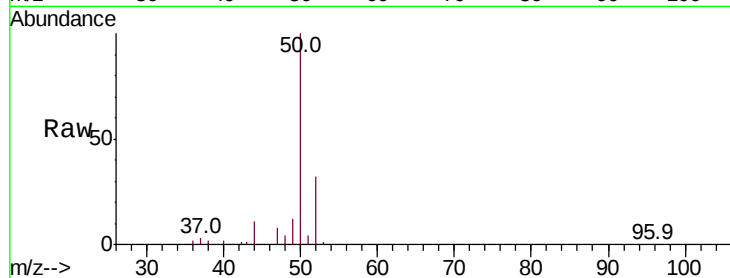
52 31.9 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#4

Vinyl Chloride

Concen: 14.039 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010655.D

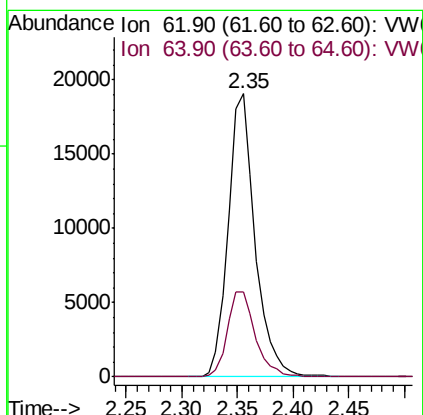
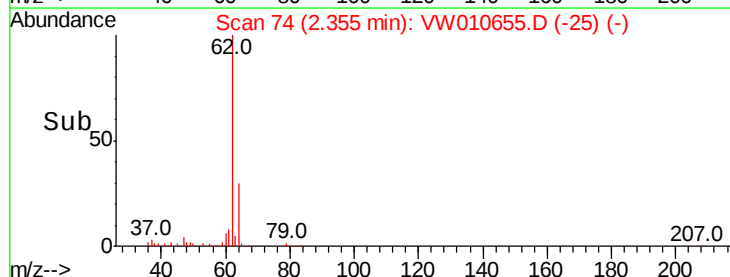
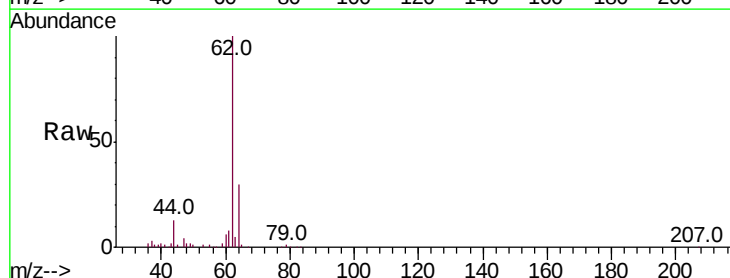
Acq: 03 Jun 2019 13:15

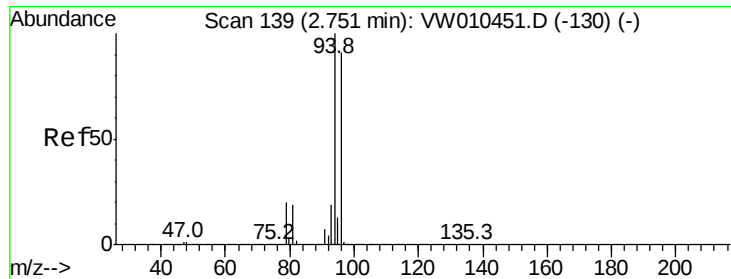
Tgt Ion: 62 Resp: 31733

Ion Ratio Lower Upper

62 100

64 30.2 25.8 38.8





#5

Bromomethane

Concen: 15.960 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBSD01

Tot Ion: 94 Resp: 24818

Ion Ratio Lower Upper

94 100

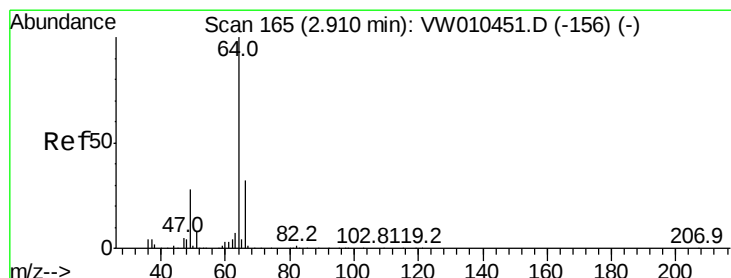
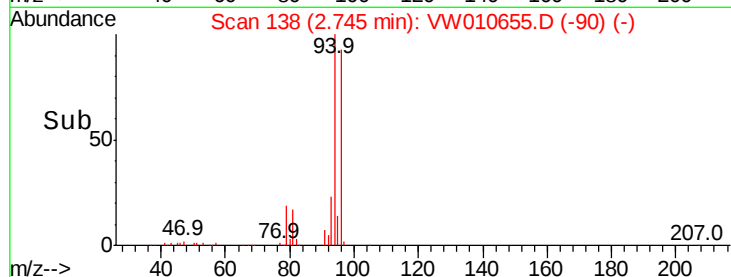
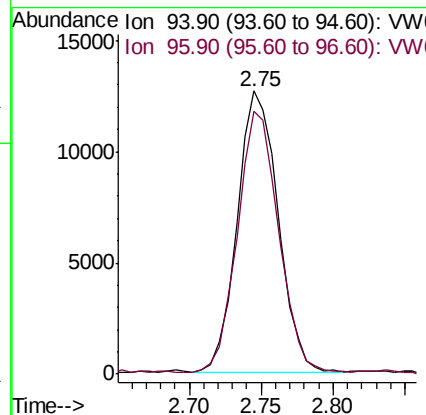
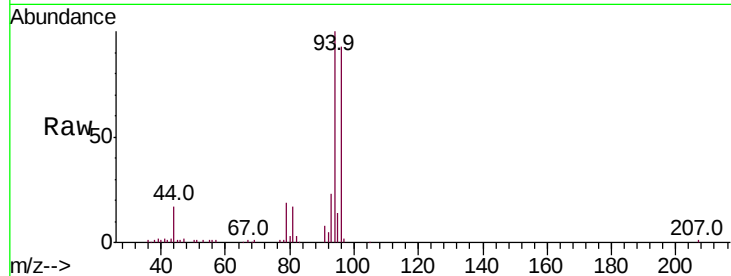
96 92.9 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#6

Chloroethane

Concen: 16.231 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010655.D

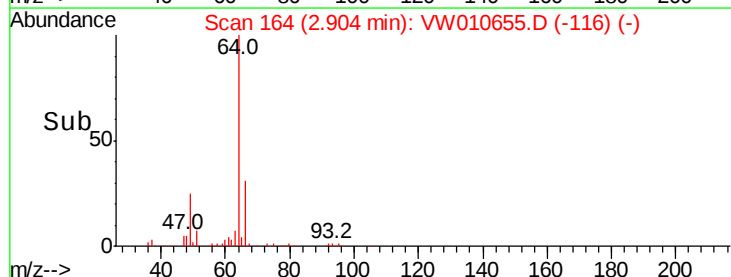
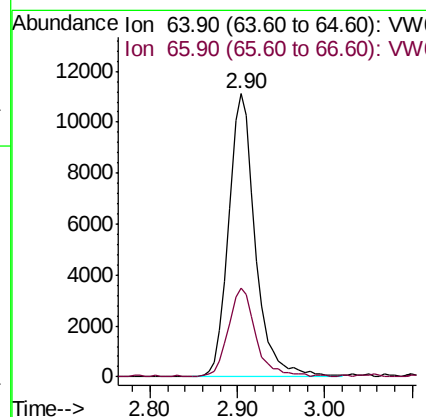
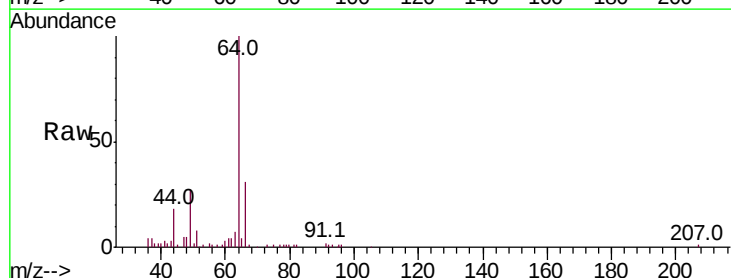
Acq: 03 Jun 2019 13:15

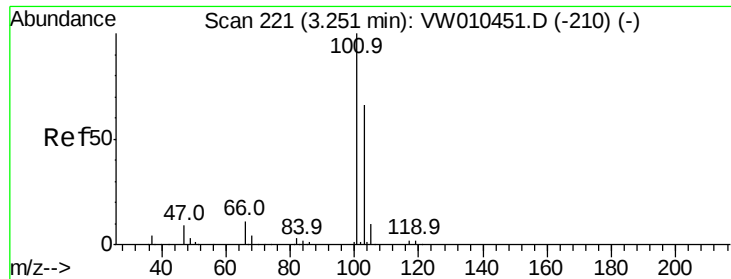
Tgt Ion: 64 Resp: 23551

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

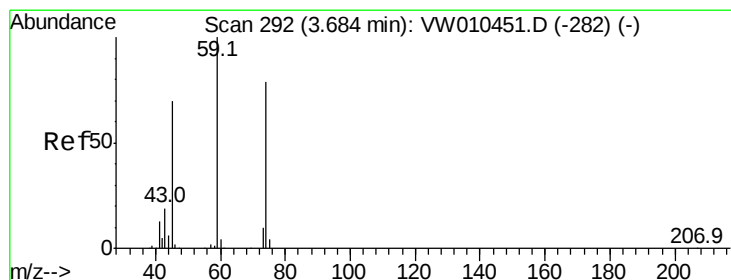
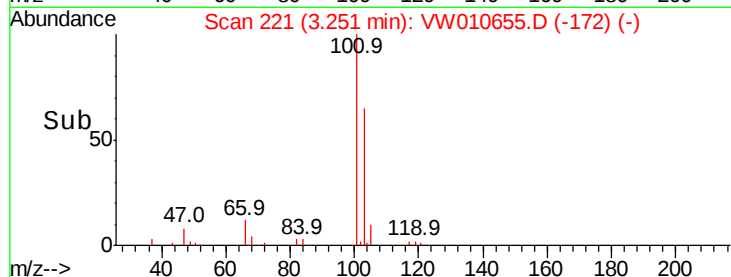
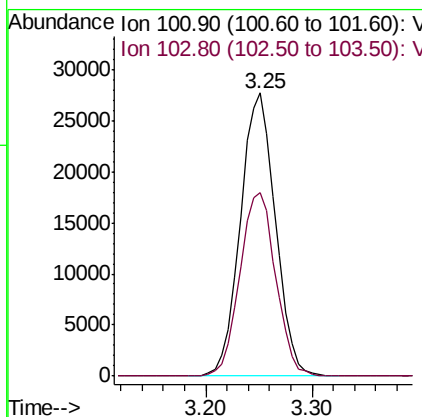
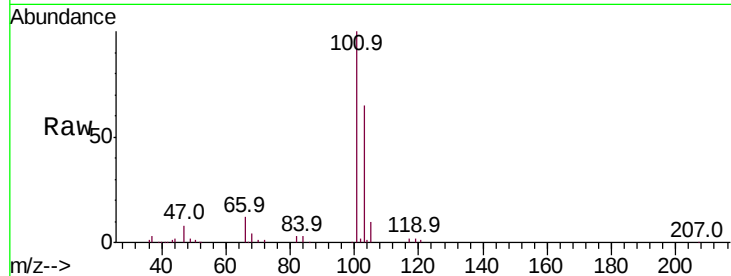
Trichlorofluoromethane
 Concen: 19.130 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0603SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.0	79.4

Manual Integrations
 APPROVED

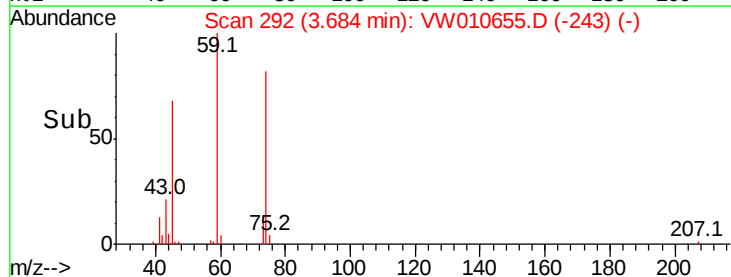
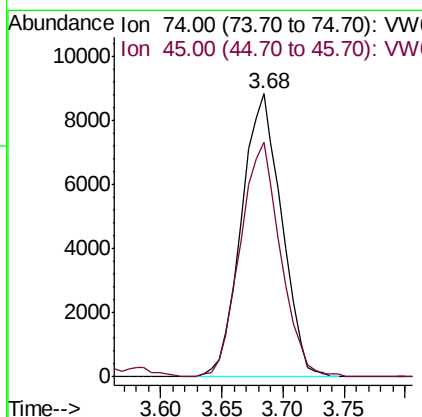
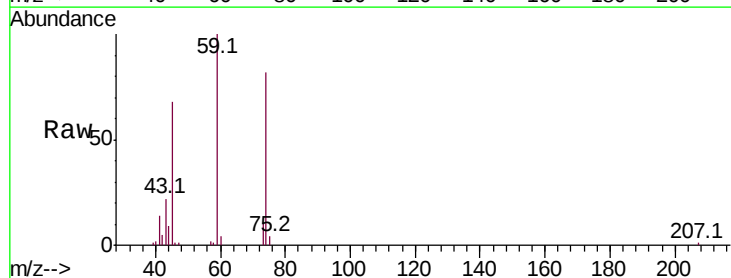
MMDadoda
 6/4/2019 12:12:51 PM

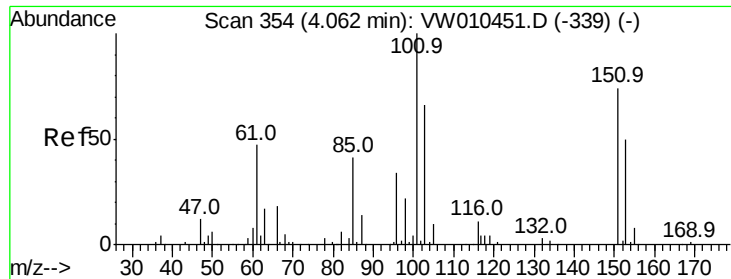


#8

Diethyl Ether
 Concen: 19.020 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.5	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.011 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

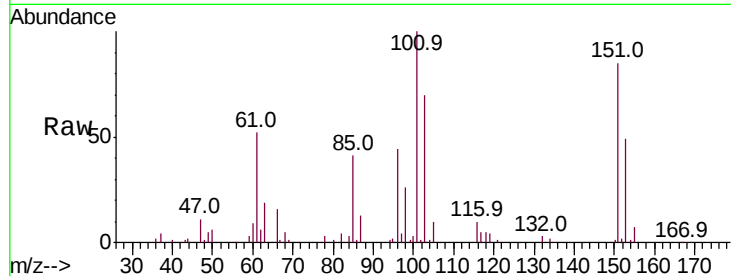
ClientSampled :

VW0603SBS01

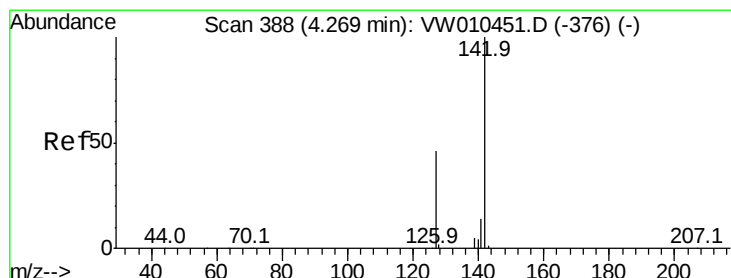
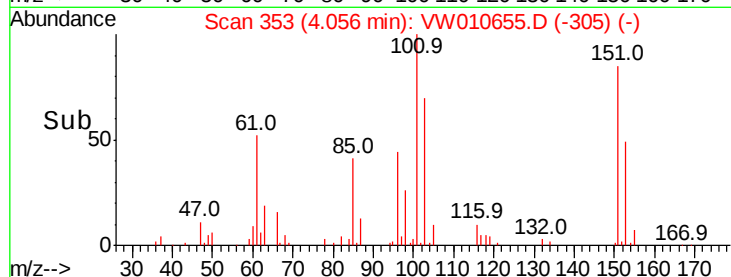
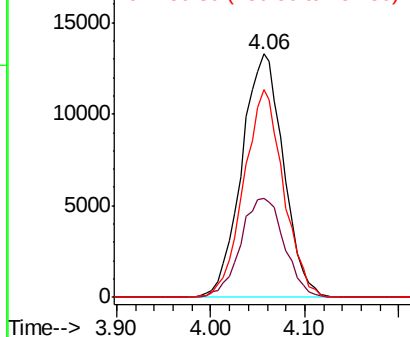
Tot Ion:	101	Resp:	41125
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.3	51.5
151	81.2	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.581 ug/l

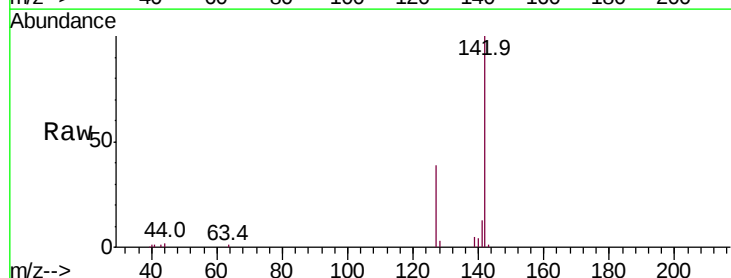
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

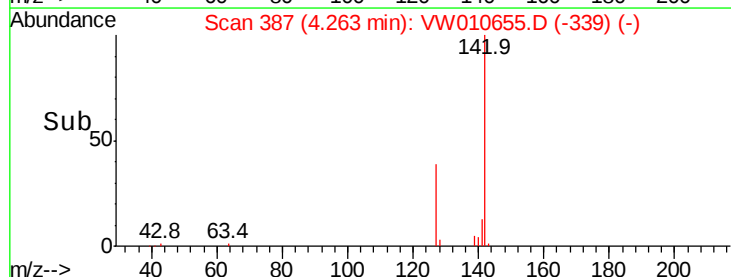
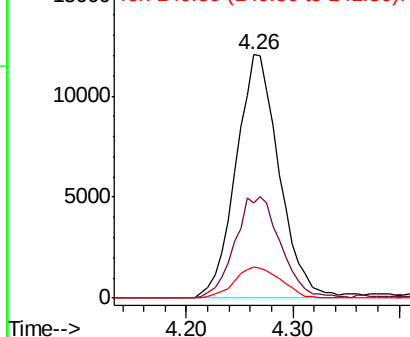
Lab File: VW010655.D

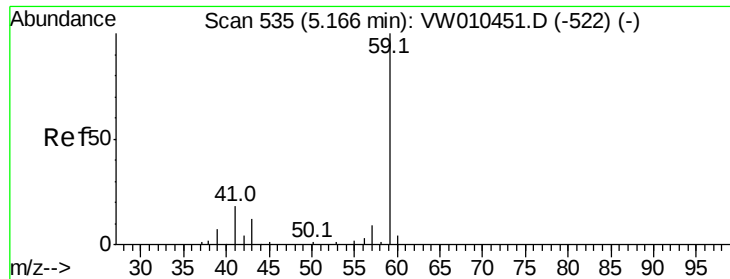
Acq: 03 Jun 2019 13:15

Tgt Ion:	142	Resp:	34252
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.1	54.1
141	13.7	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





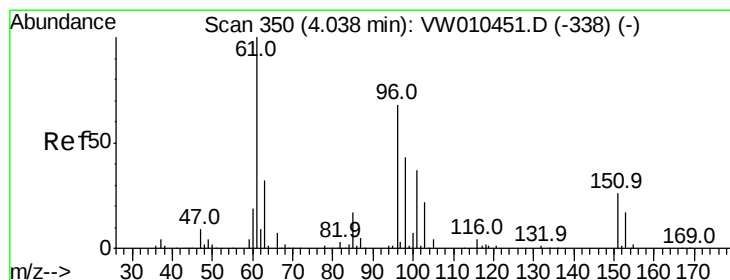
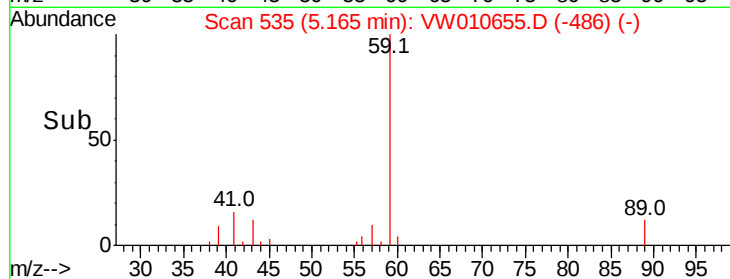
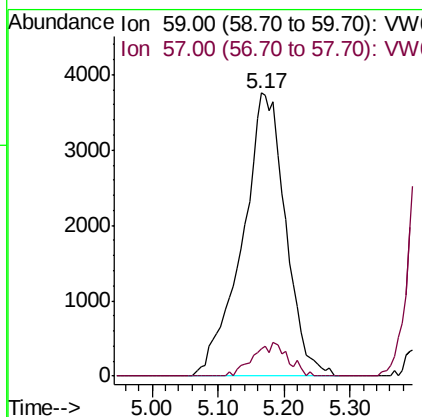
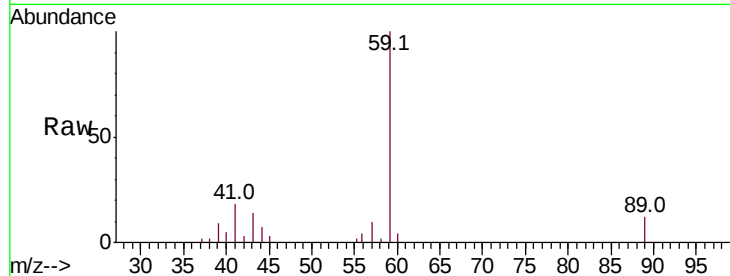
#11
Tert butyl alcohol
Concen: 99.283 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.8	13.2

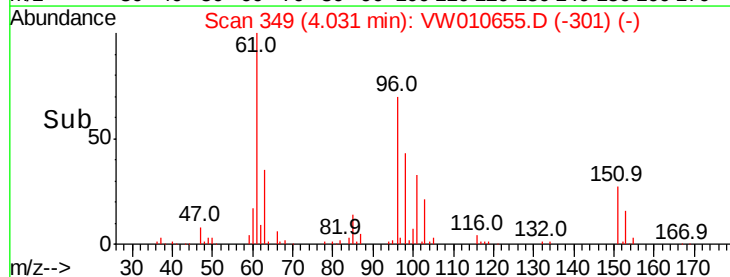
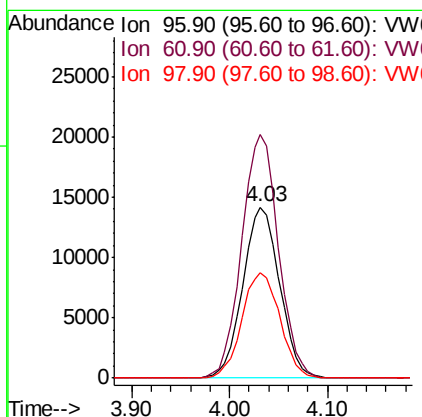
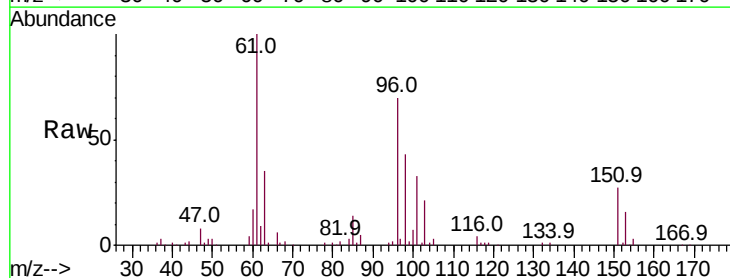
Manual Integrations
APPROVED

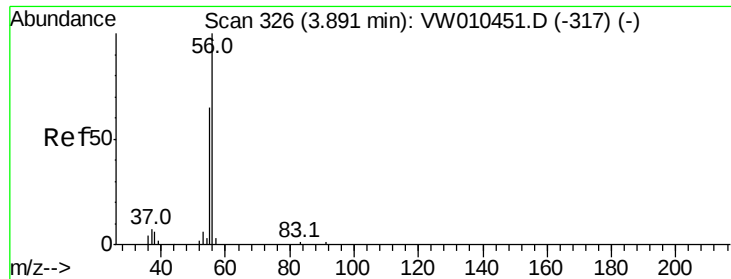
MMDadoda
6/4/2019 12:12:51 PM



#12
1,1-Dichloroethene
Concen: 18.865 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.6	118.3	177.5
98	62.0	51.0	76.6





#13

Acrolein

Concen: 65.306 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBSD01

Tot Ion: 56 Resp: 8218

Ion Ratio Lower Upper

56 100

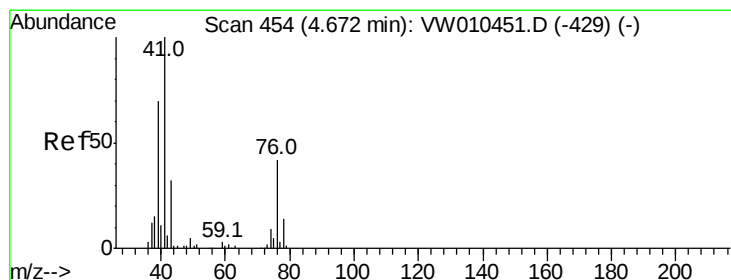
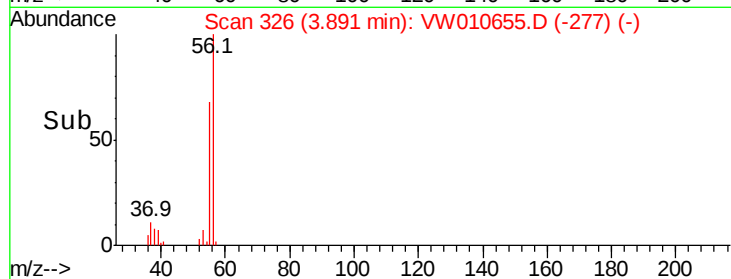
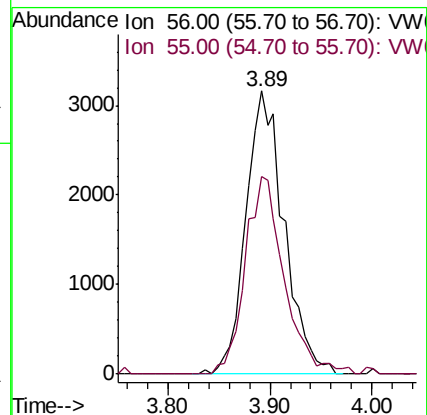
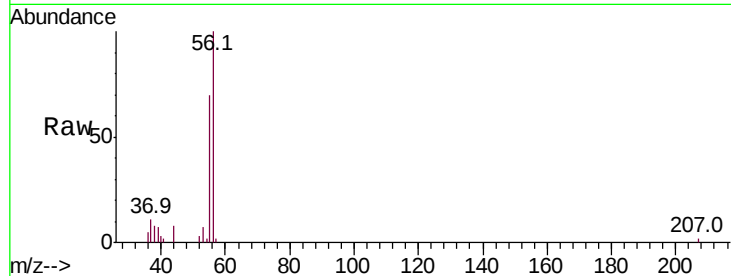
55 71.0 57.9 86.9

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#14

Allyl chloride

Concen: 18.094 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

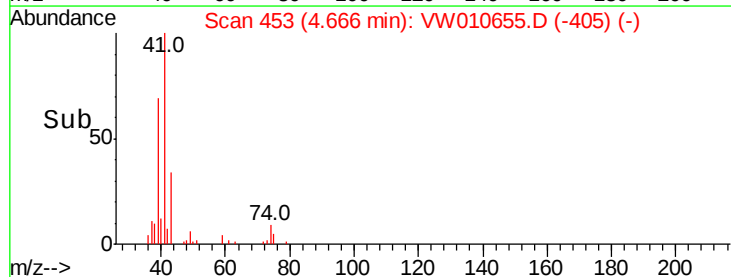
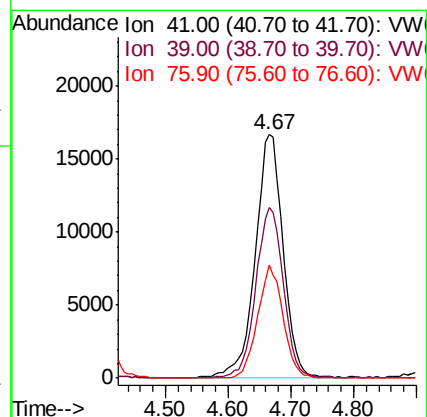
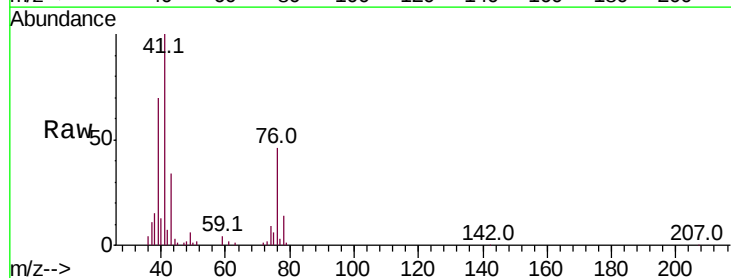
Tgt Ion: 41 Resp: 51382

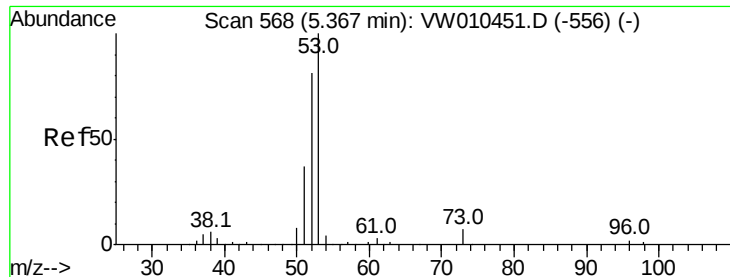
Ion Ratio Lower Upper

41 100

39 68.8 55.0 82.4

76 42.0 32.8 49.2





#15

Acrylonitrile

Concen: 90.333 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

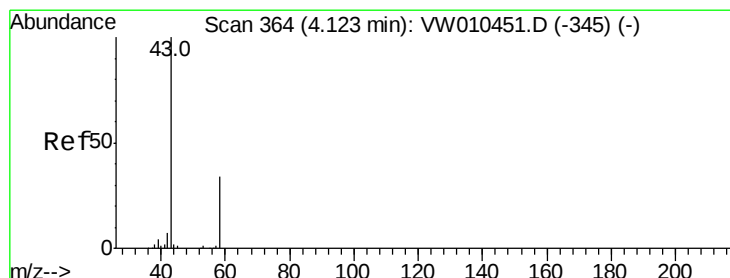
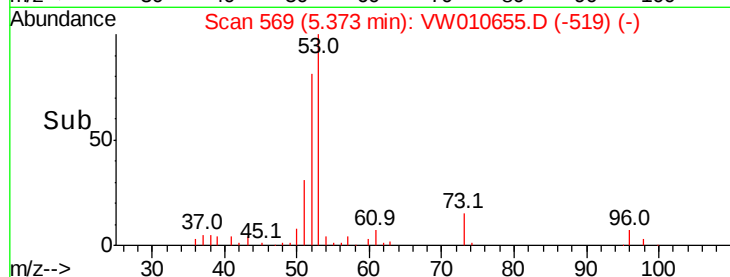
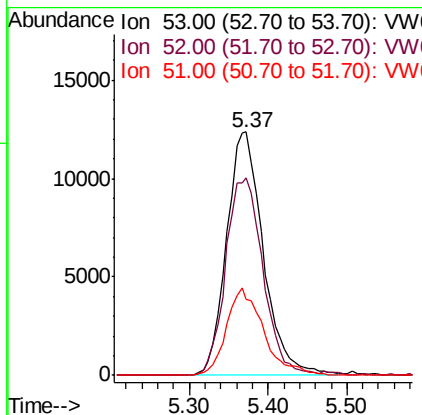
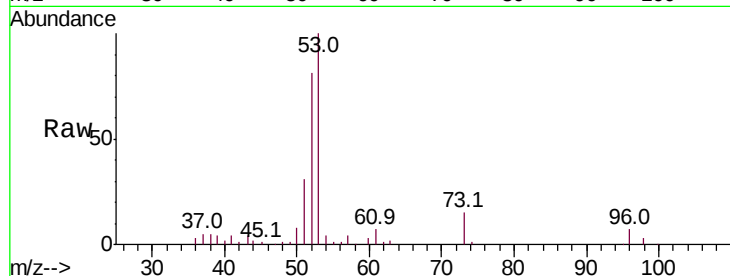
ClientSampleId :

VW0603SBS01

Tot Ion:	53	Resp:	40020
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.6	98.4
51	36.1	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#16

Acetone

Concen: 89.708 ug/l

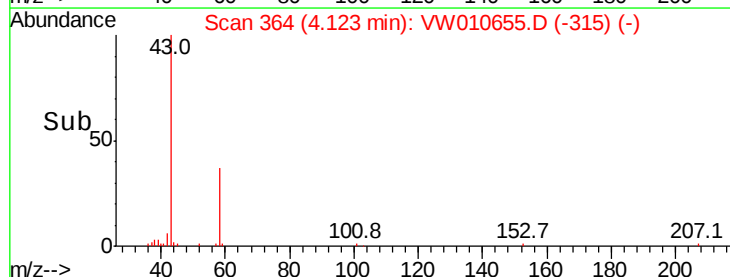
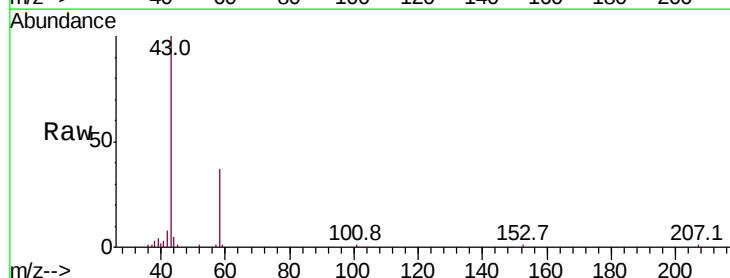
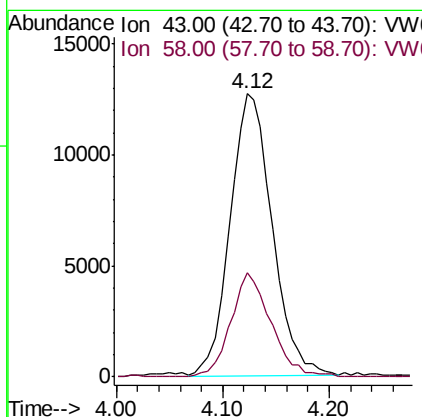
RT: 4.12 min Scan# 364

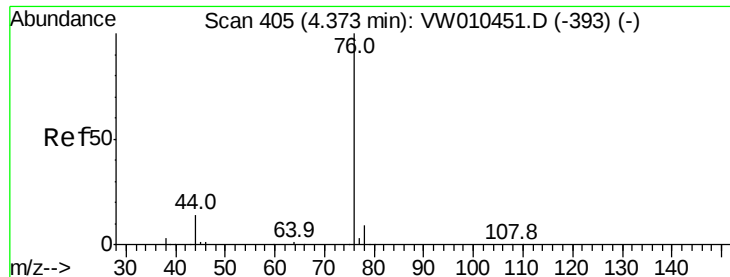
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion:	43	Resp:	35104
Ion	Ratio	Lower	Upper
43	100		
58	36.9	27.0	40.4





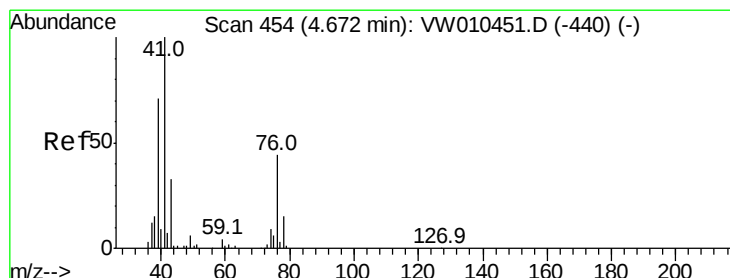
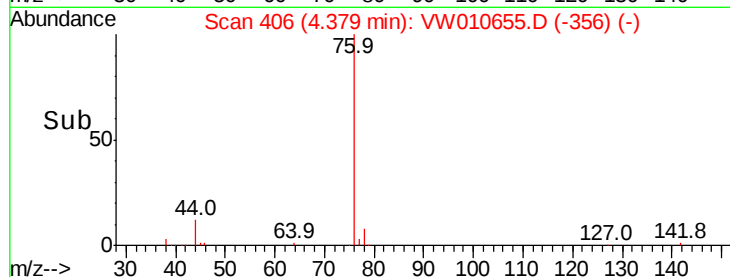
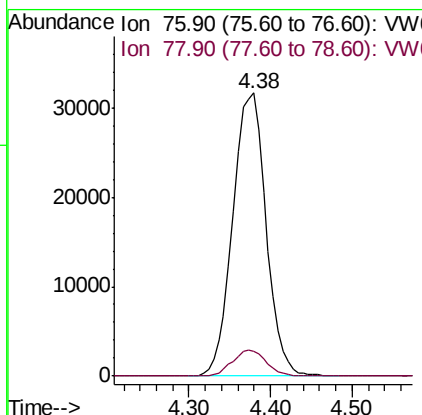
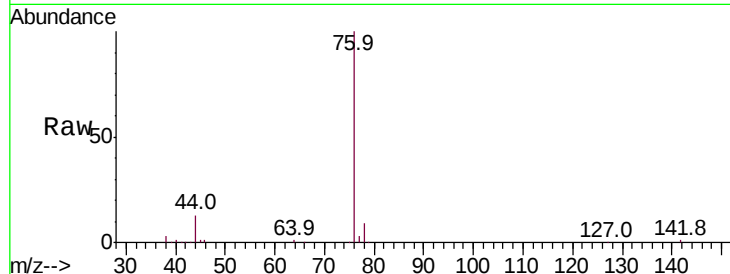
#17
Carbon Disulfide
Concen: 15.303 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

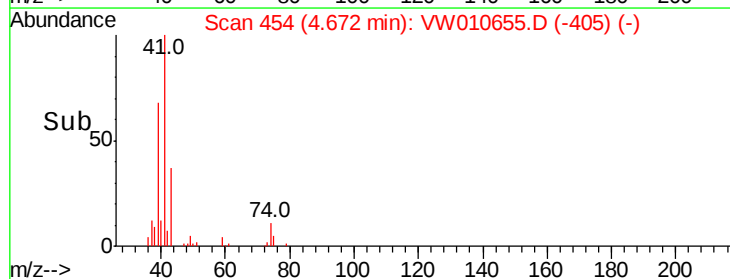
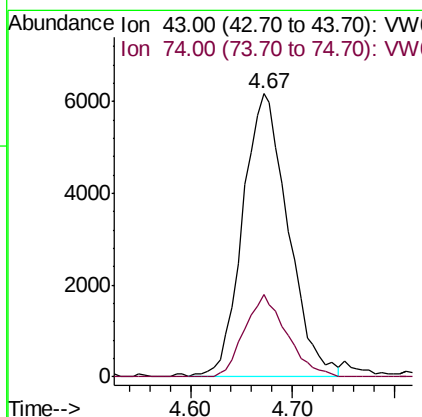
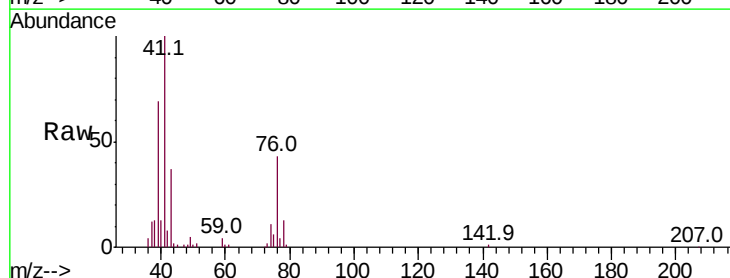
Manual Integrations
APPROVED

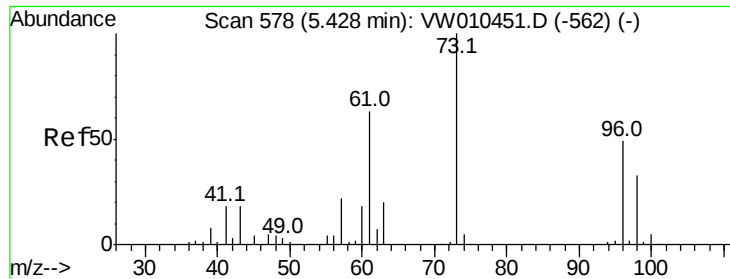
MMDadoda
6/4/2019 12:12:51 PM



#18
Methyl Acetate
Concen: 19.949 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.6	32.4





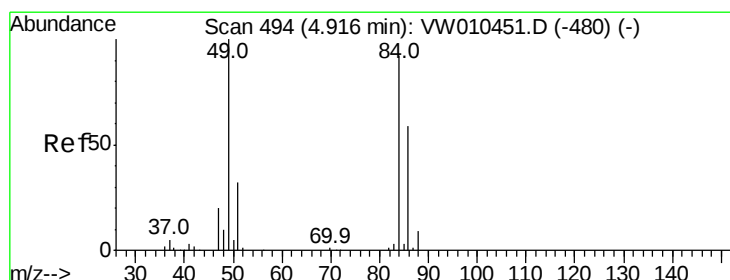
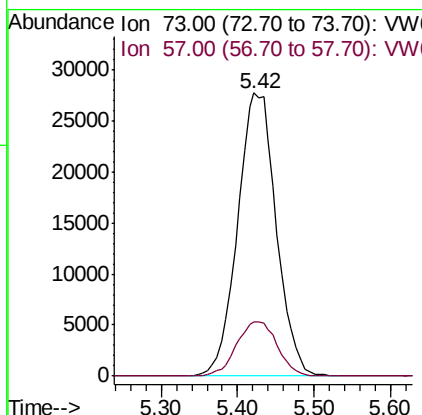
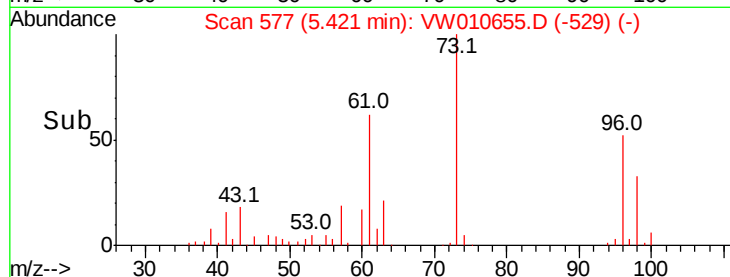
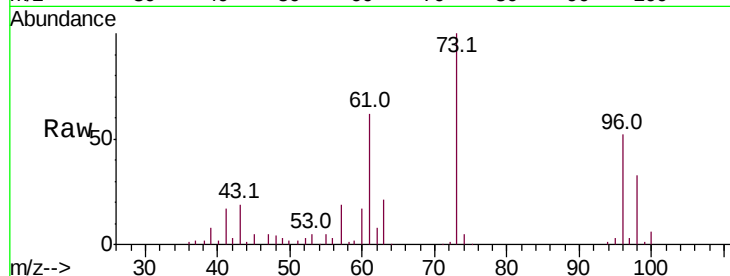
#19
Methvl tert-butvl Ether
Concen: 19.419 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion: 73 Resp: 97120
Ion Ratio Lower Upper
73 100
57 19.2 17.4 26.0

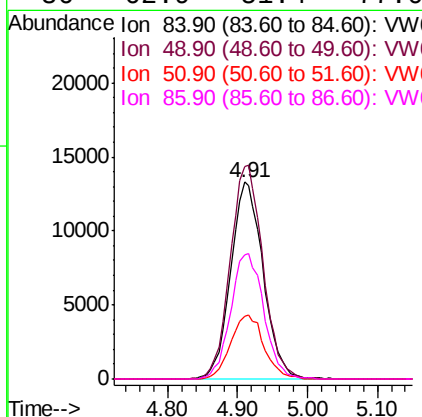
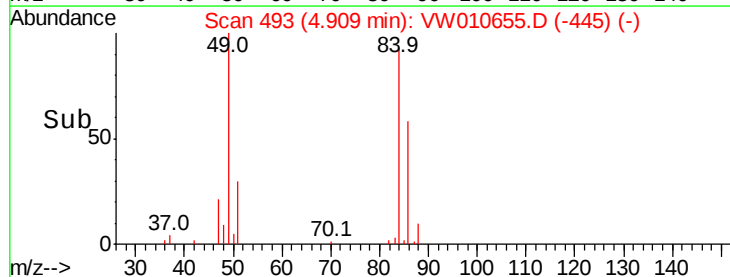
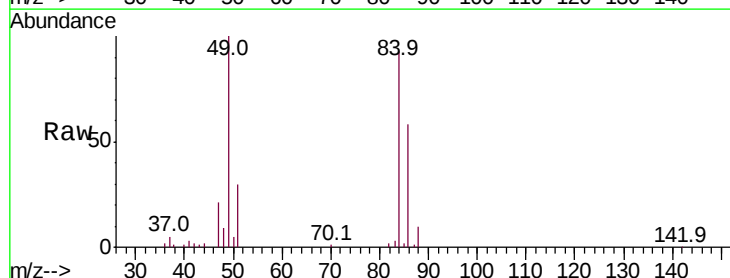
Manual Integrations
APPROVED

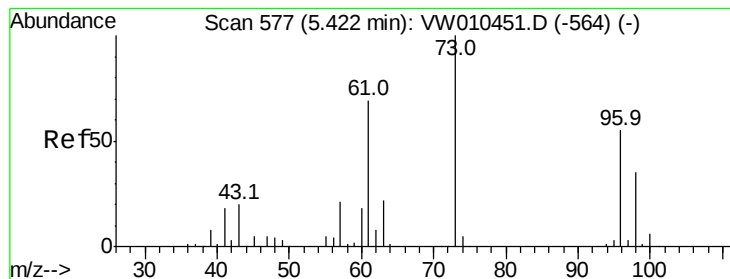
MMDadoda
6/4/2019 12:12:51 PM



#20
Methylene Chloride
Concen: 15.121 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion: 84 Resp: 42842
Ion Ratio Lower Upper
84 100
49 108.1 87.2 130.8
51 32.0 27.7 41.5
86 62.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.271 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 96 Resp: 43364

Ion Ratio Lower Upper

96 100

61 121.1 101.4 152.0

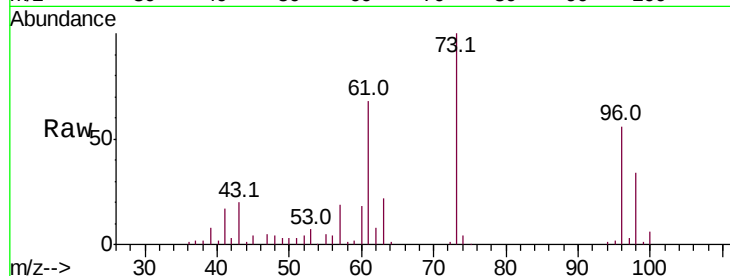
98 60.1 50.6 76.0

Manual Integrations

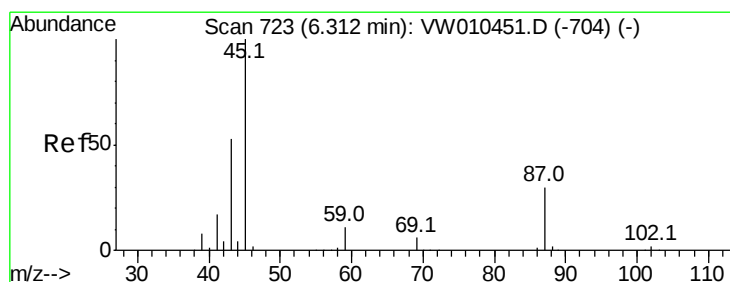
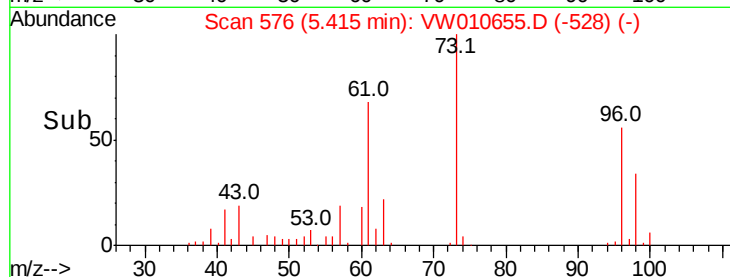
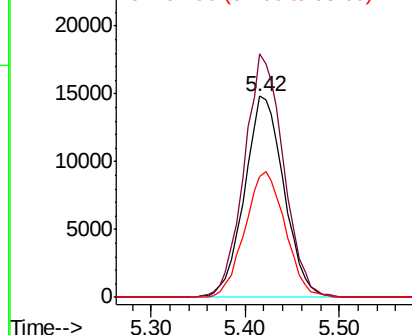
APPROVED

MMDadoda

6/4/2019 12:12:51 PM



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



#22

Diisopropyl ether

Concen: 19.080 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion: 45 Resp: 111097

Ion Ratio Lower Upper

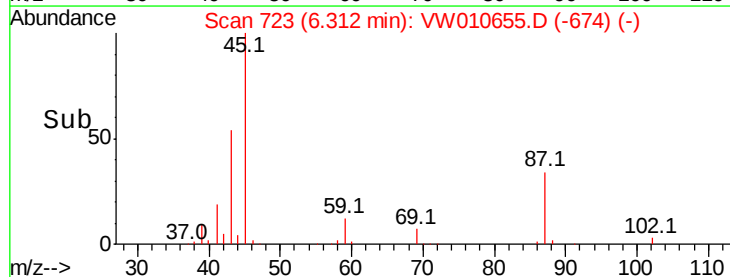
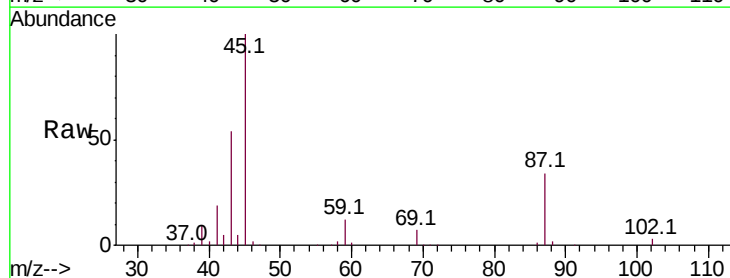
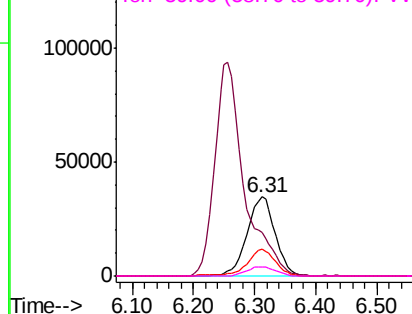
45 100

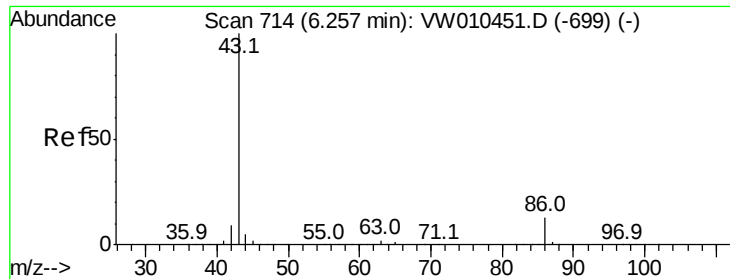
43 53.9 42.9 64.3

87 34.4 24.6 36.8

59 12.2 9.4 14.0

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





#23

Vinyl Acetate

Concen: 90.883 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampled :

VW0603SBS01

Tot Ion: 43 Resp: 316106

Ion Ratio Lower Upper

43 100

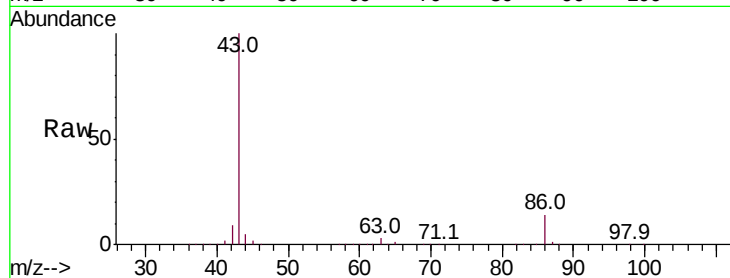
86 13.7 10.3 15.5

Manual Integrations

APPROVED

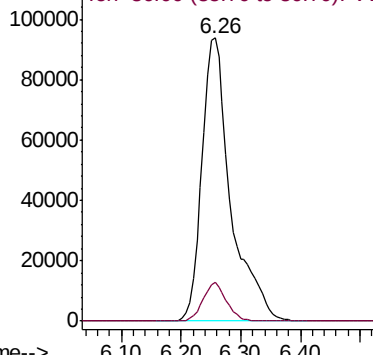
MMDadoda

6/4/2019 12:12:51 PM

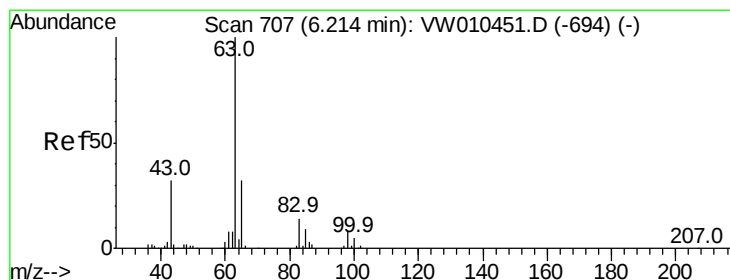
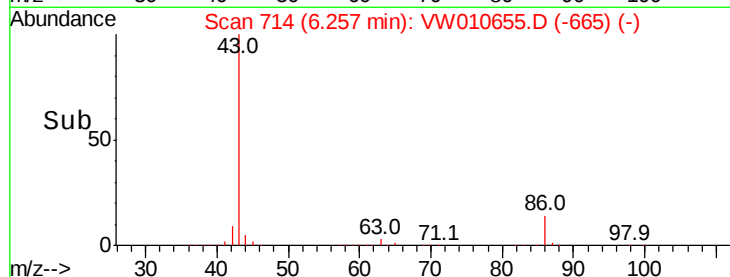


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 19.551 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

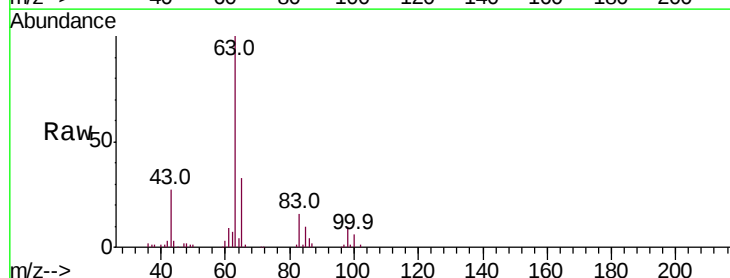
Tgt Ion: 63 Resp: 67934

Ion Ratio Lower Upper

63 100

98 9.8 3.8 11.2

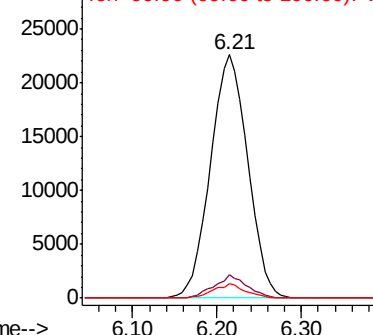
100 5.8 2.5 7.4



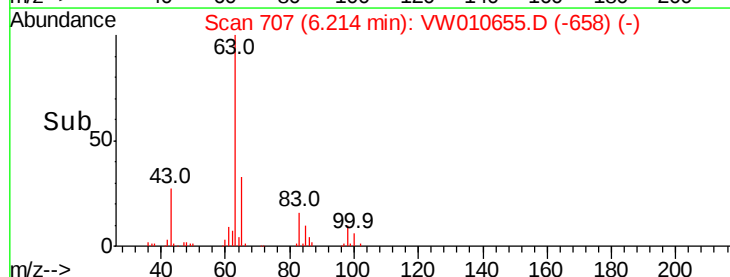
Abundance Ion 62.90 (62.60 to 63.60): VW

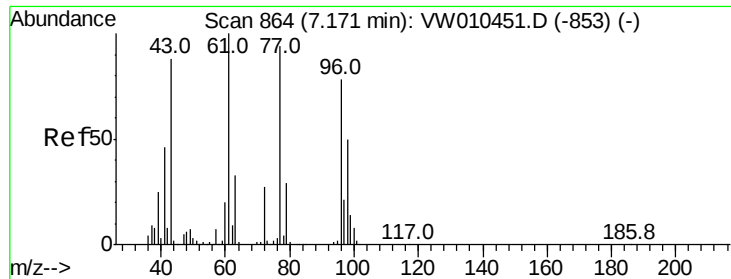
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 96.989 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 43 Resp: 54314

Ion Ratio Lower Upper

43 100

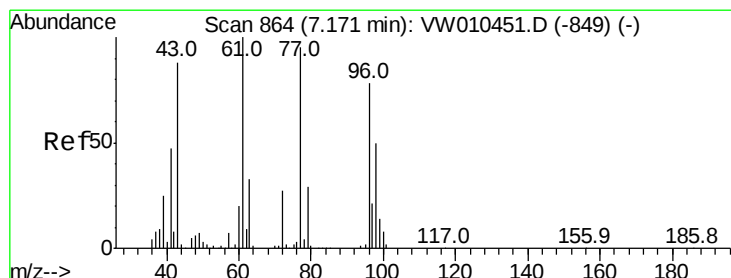
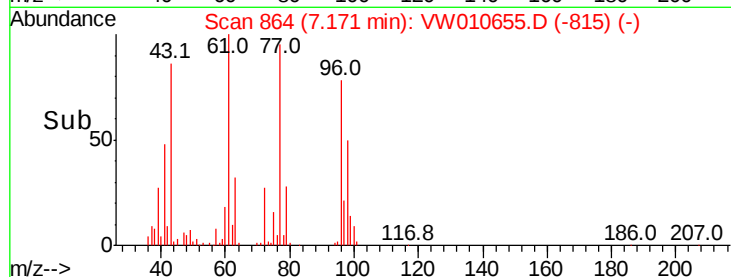
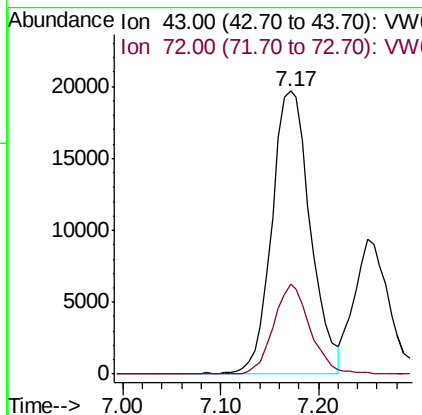
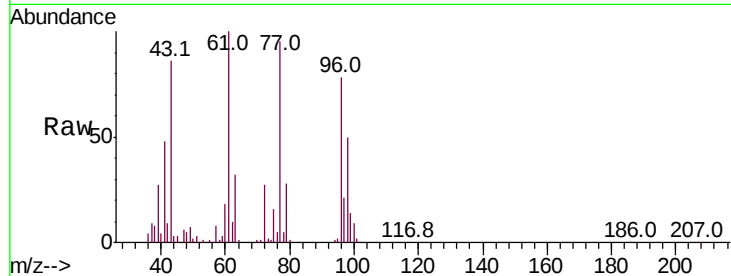
72 31.8 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#26

2,2-Dichloropropane

Concen: 20.027 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010655.D

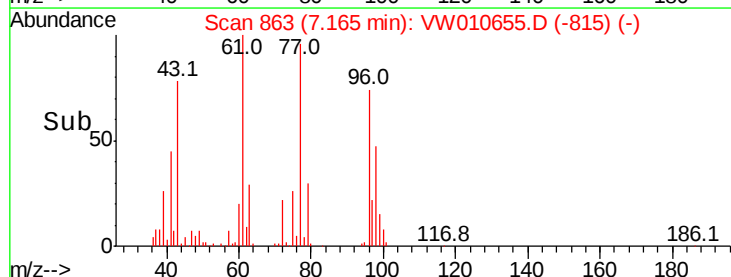
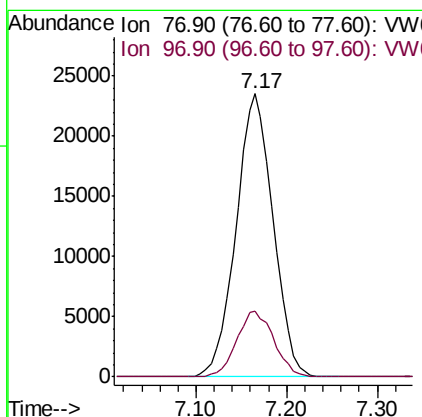
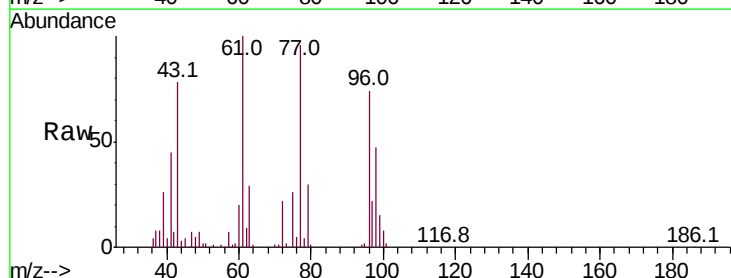
Acq: 03 Jun 2019 13:15

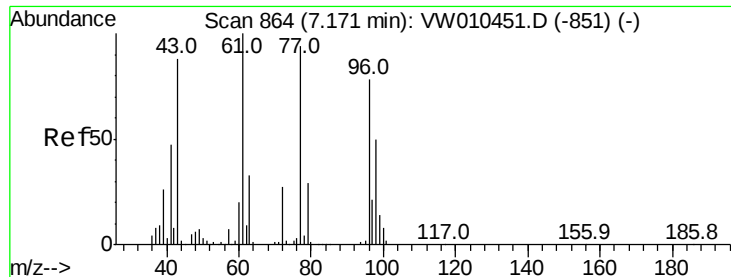
Tgt Ion: 77 Resp: 66287

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

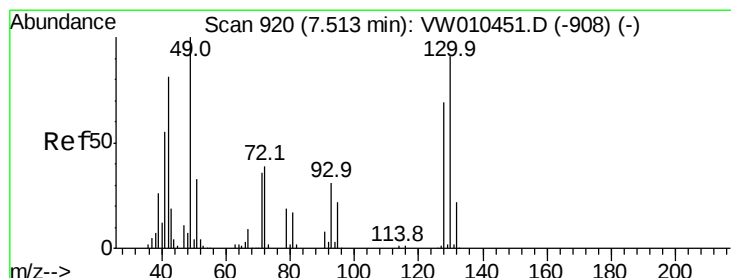
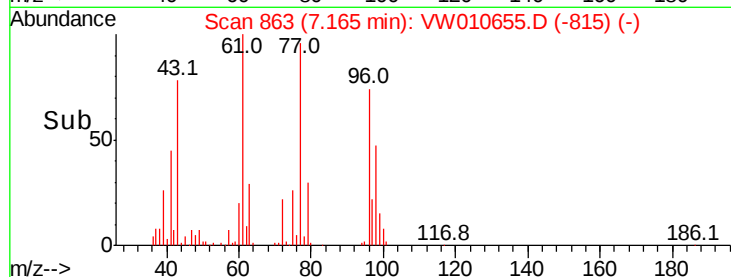
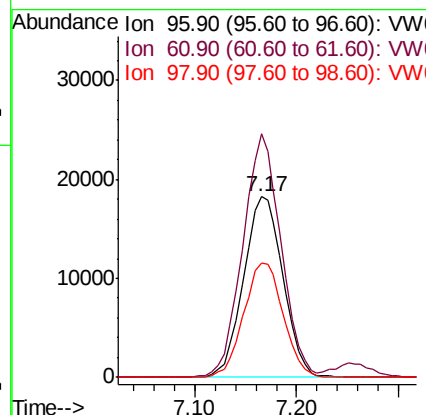
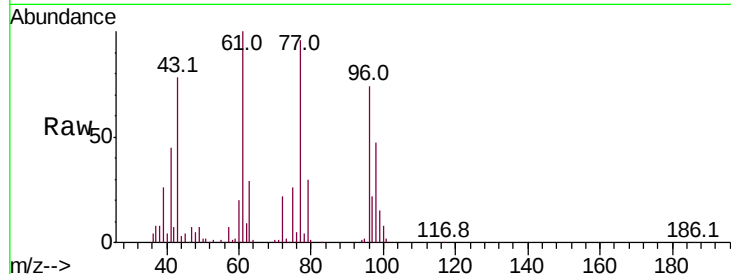
cis-1,2-Dichloroethene
Concen: 19.983 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	265.4
98	63.4	0.0	129.4

Manual Integrations
APPROVED

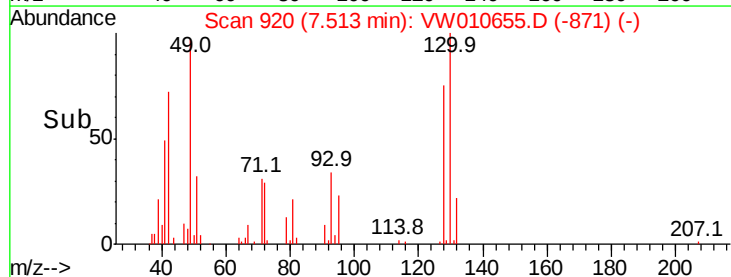
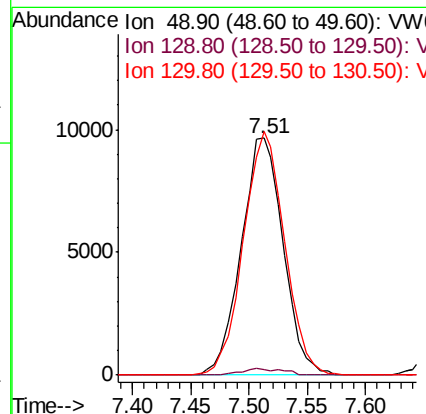
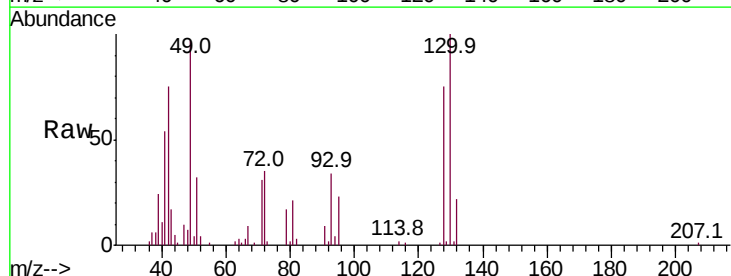
MMDadoda
6/4/2019 12:12:51 PM

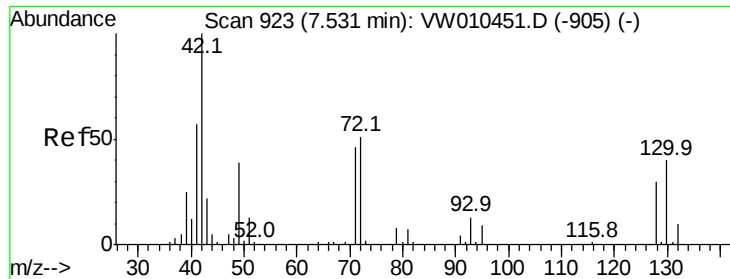


#28

Bromochloromethane
Concen: 19.470 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	100.8	71.2	106.8





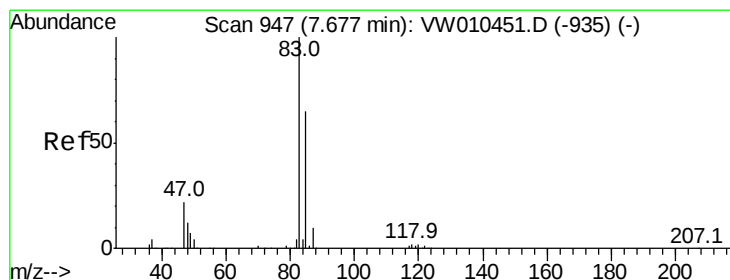
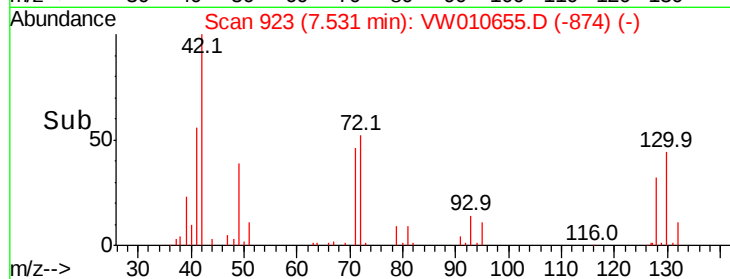
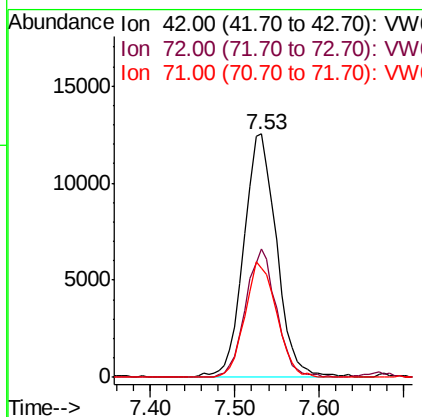
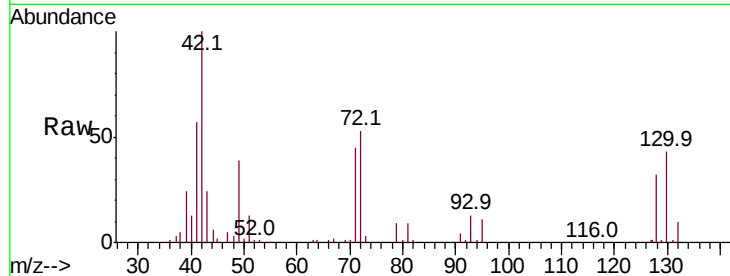
#29
Tetrahydrofuran
Concen: 87.254 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	38.5	57.7
71	45.5	36.5	54.7

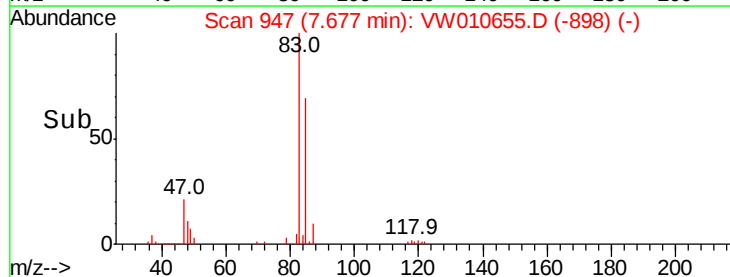
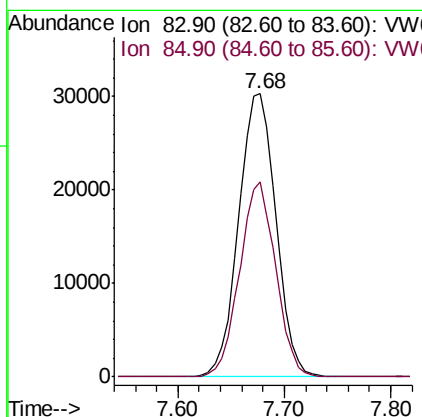
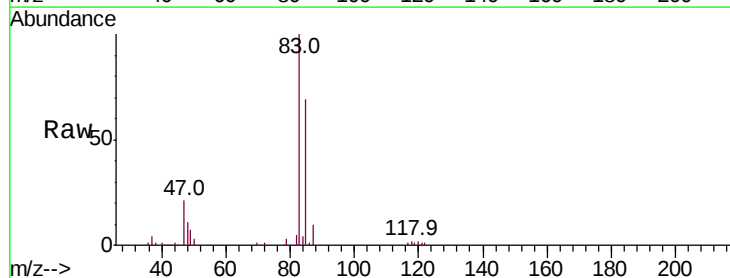
Manual Integrations
APPROVED

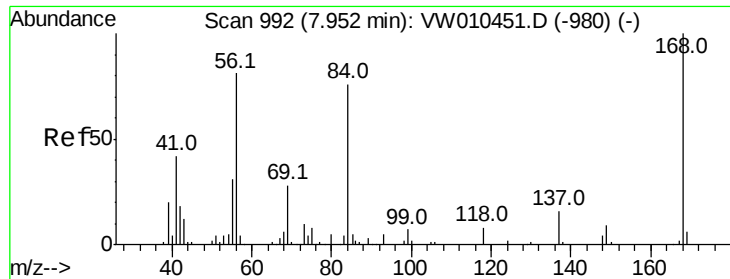
MMDadoda
6/4/2019 12:12:51 PM



#30
Chloroform
Concen: 19.905 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.7	52.2	78.4





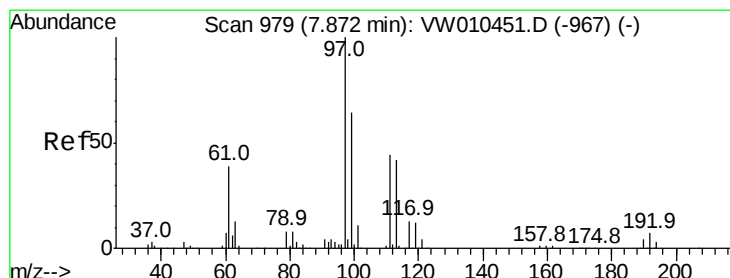
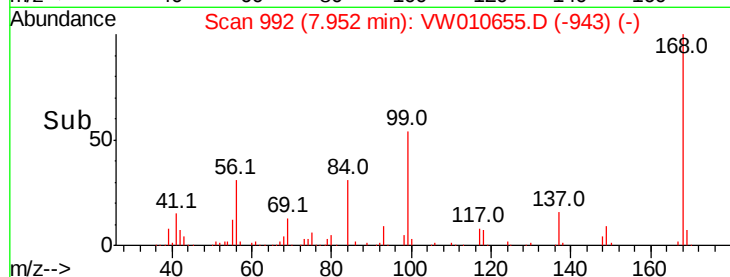
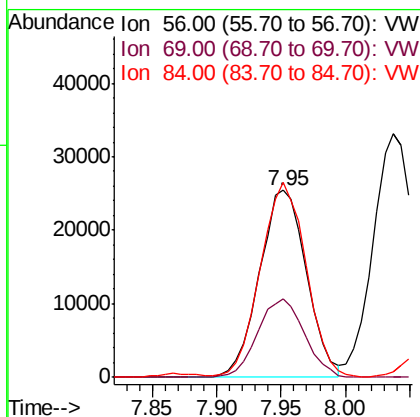
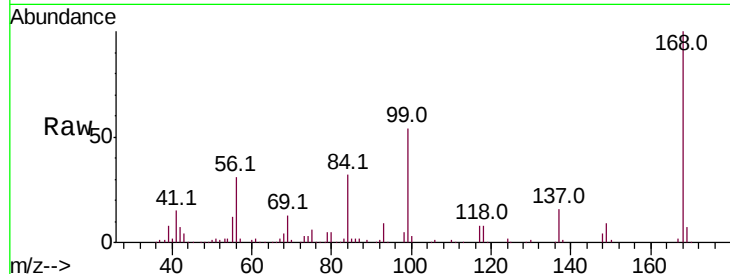
#31
Cyclohexane
Concen: 17.759 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampled :
VW0603SBS01

Tot Ion: 56 Resp: 64638
Ion Ratio Lower Upper
56 100
69 42.3 28.2 42.2#
84 103.2 75.8 113.8

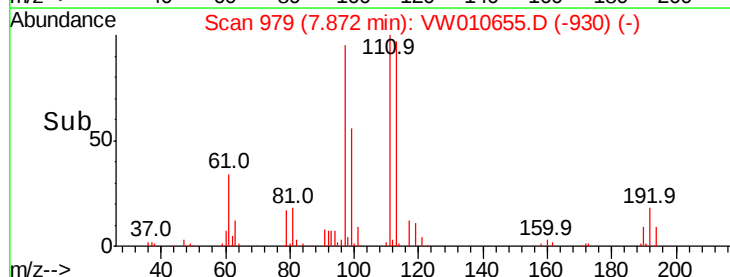
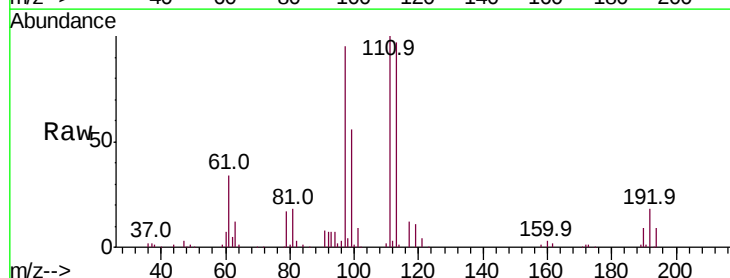
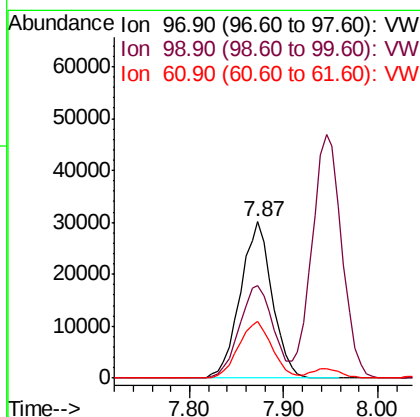
Manual Integrations
APPROVED

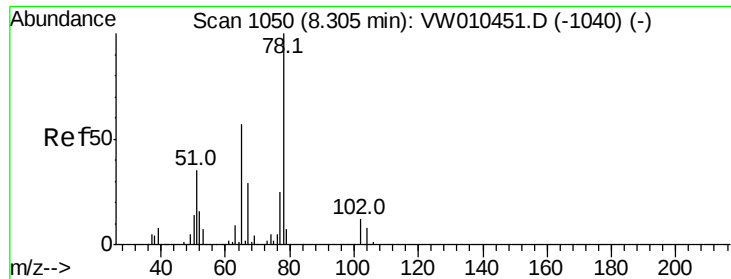
MMDadoda
6/4/2019 12:12:51 PM



#32
1,1,1-Trichloroethane
Concen: 19.886 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion: 97 Resp: 71237
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 37.8 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 46.562 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 65 Resp: 89261

Ion Ratio Lower Upper

65 100

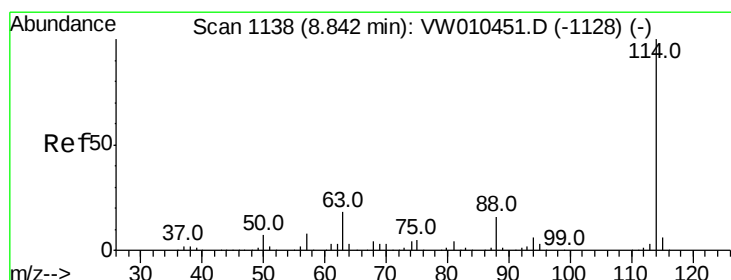
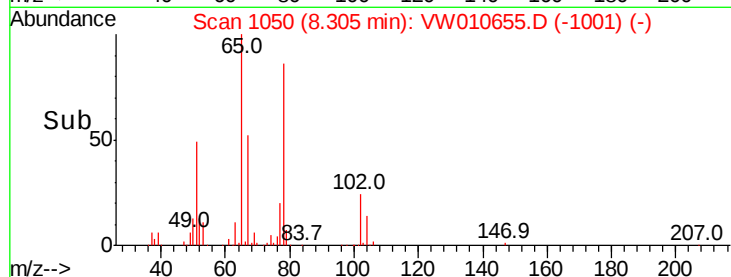
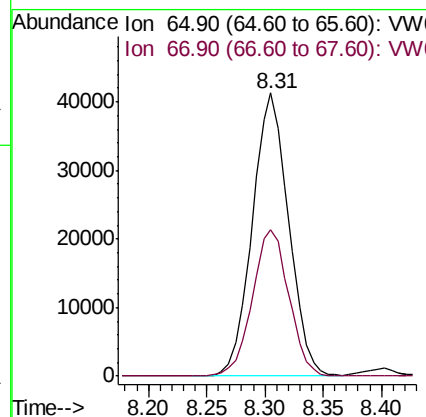
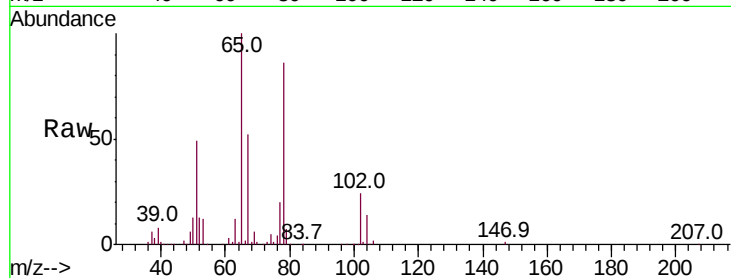
67 52.2 0.0 103.6

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

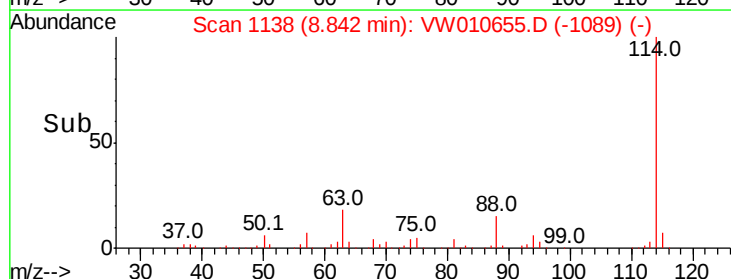
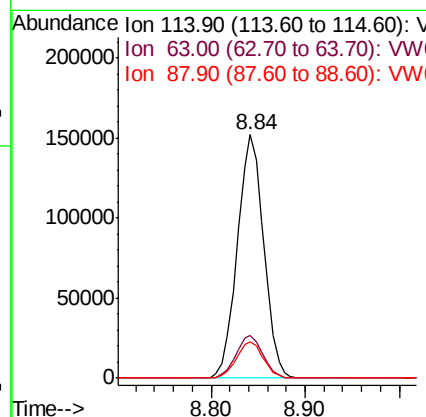
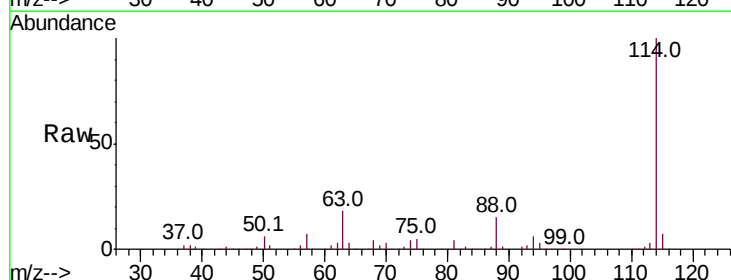
Tgt Ion: 114 Resp: 294390

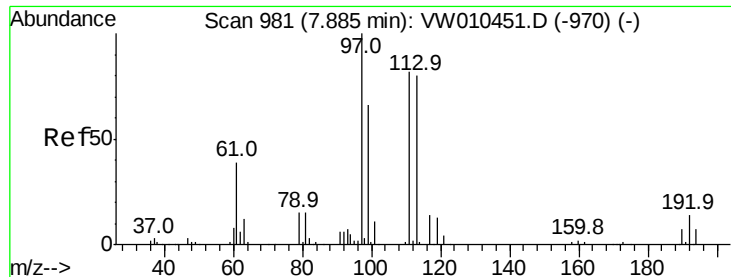
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.934 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

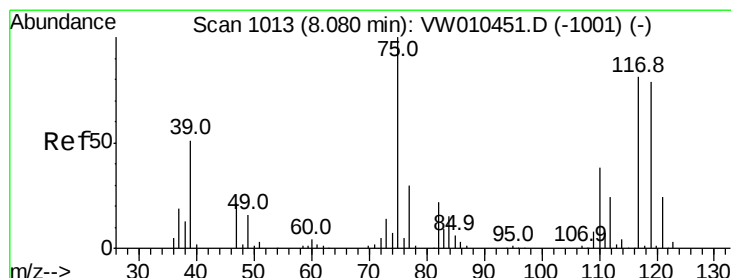
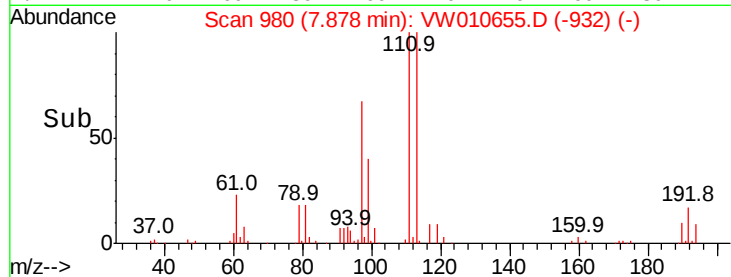
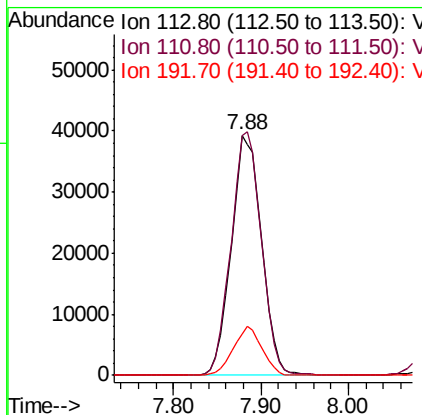
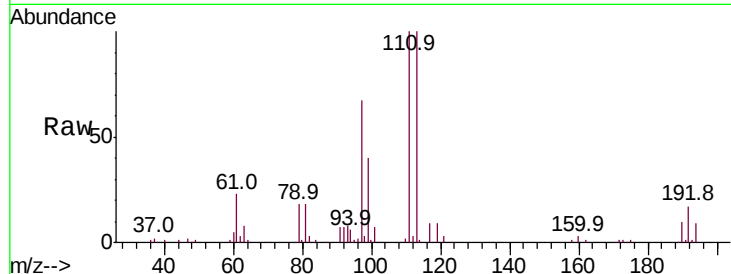
ClientSampleId :

VW0603SBSD01

Tot Ion:	113	Resp:	94556
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.2	123.4
192	19.2	14.3	21.5

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#36

1,1-Dichloropropene

Concen: 21.128 ug/l

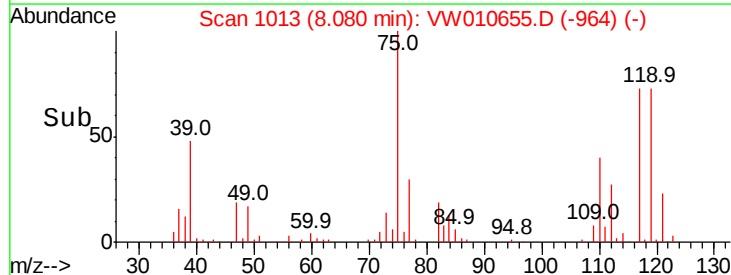
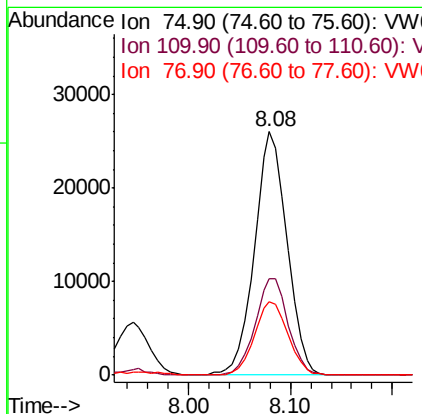
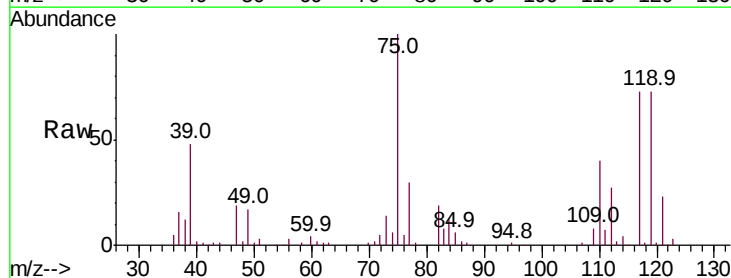
RT: 8.08 min Scan# 1013

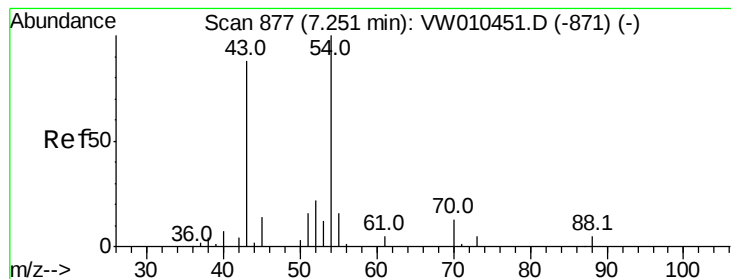
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion:	75	Resp:	57941
Ion Ratio	Lower	Upper	
75	100		
110	39.9	19.2	57.6
77	31.1	25.2	37.8





#37

Ethyl Acetate

Concen: 19.930 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

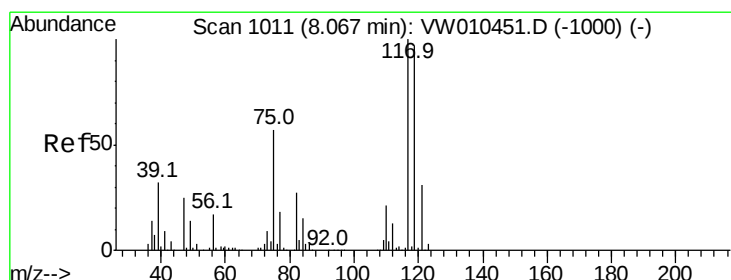
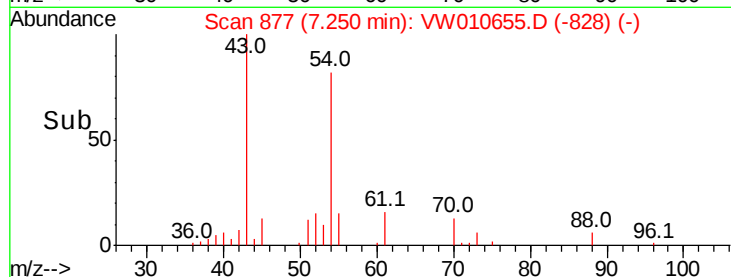
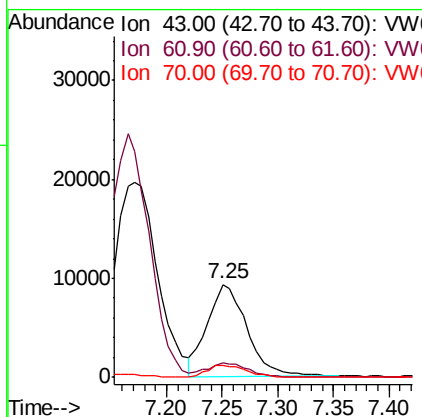
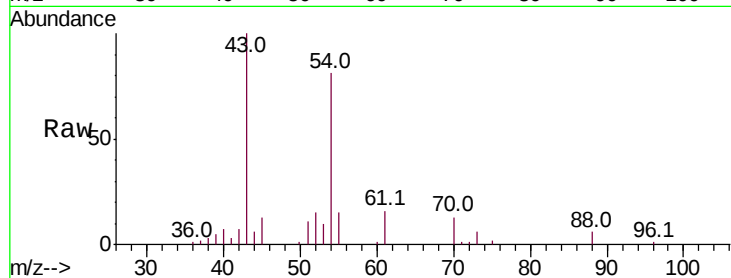
ClientSampleId :

VW0603SBS01

Tot Ion:	43	Resp:	23242
Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.2	16.8
70	13.0	9.9	14.9

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#38

Carbon Tetrachloride

Concen: 21.771 ug/l

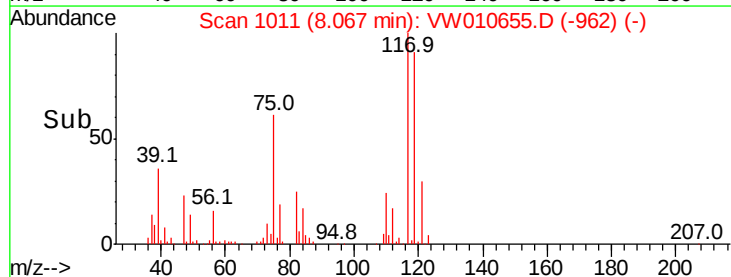
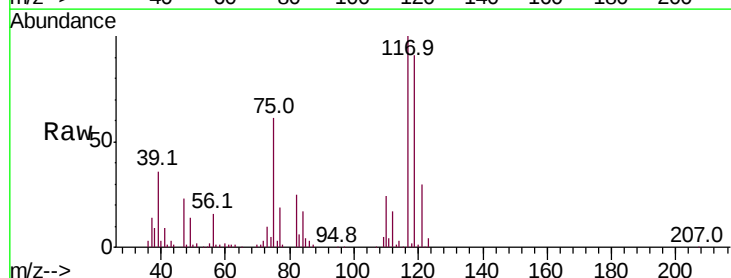
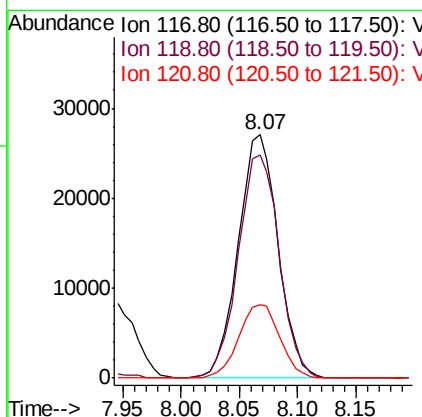
RT: 8.07 min Scan# 1011

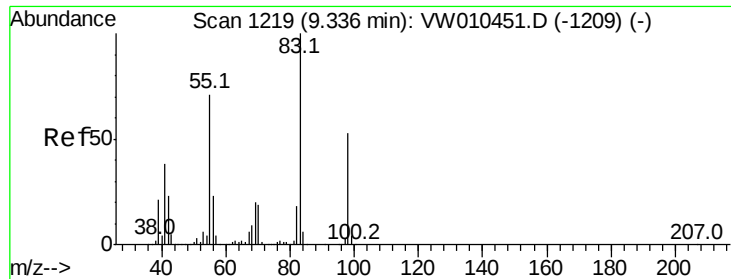
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion:	117	Resp:	64406
Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.4	116.0
121	30.1	25.0	37.6





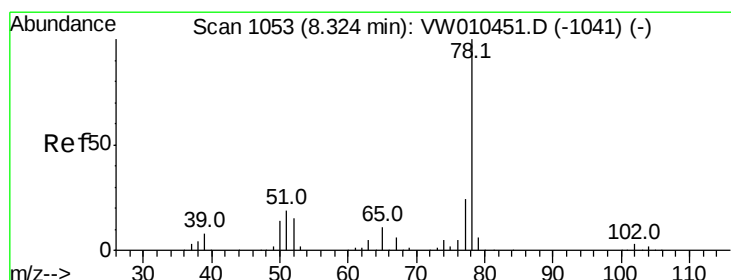
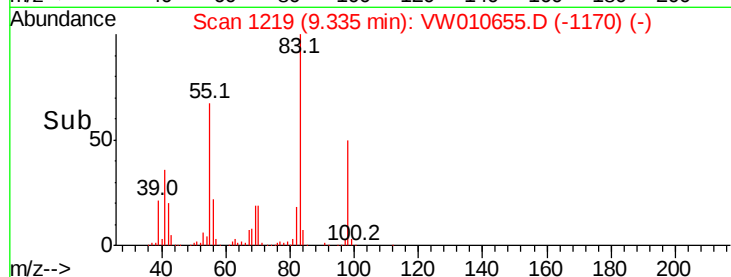
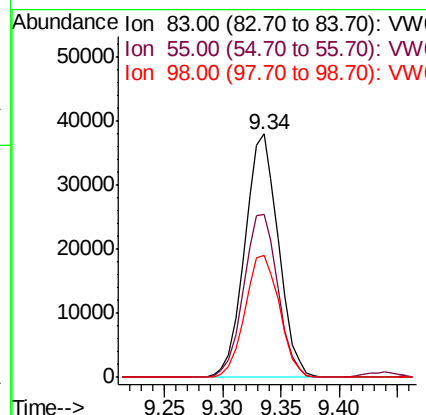
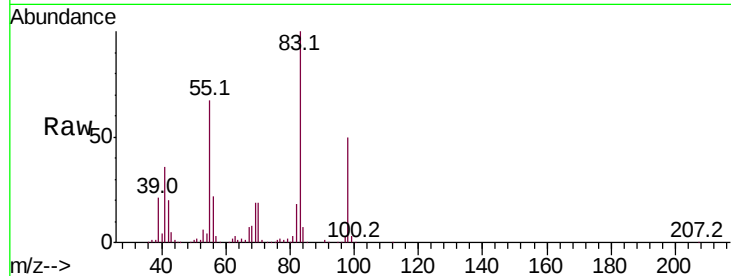
#39
Methvlcvclohexane
Concen: 20.748 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	57.0	85.6
98	49.9	42.0	63.0

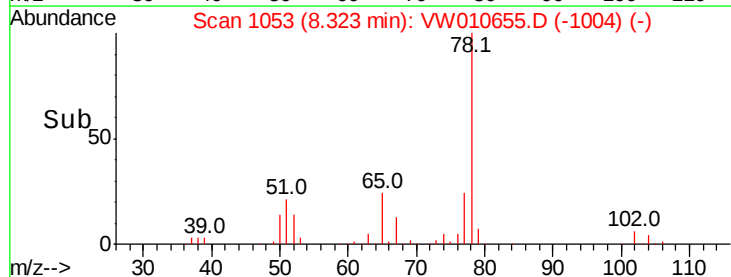
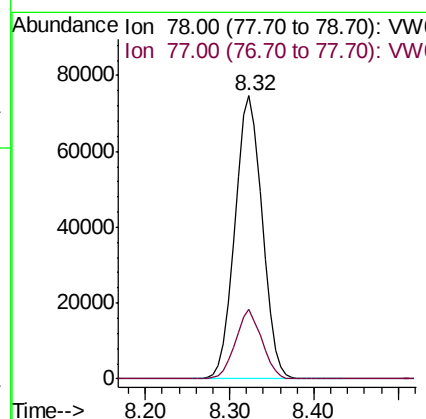
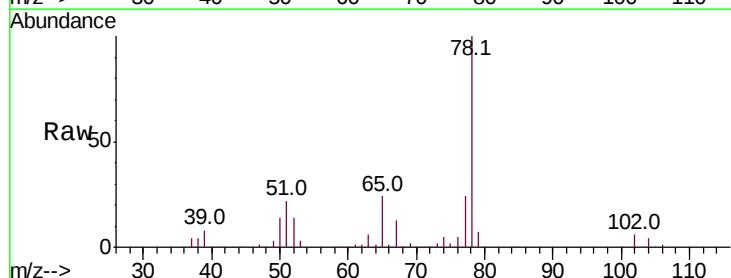
Manual Integrations
APPROVED

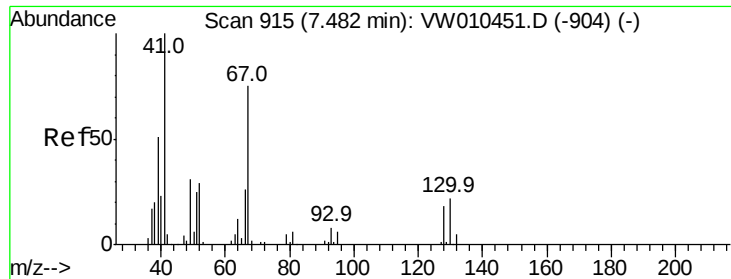
MMDadoda
6/4/2019 12:12:51 PM



#40
Benzene
Concen: 21.404 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





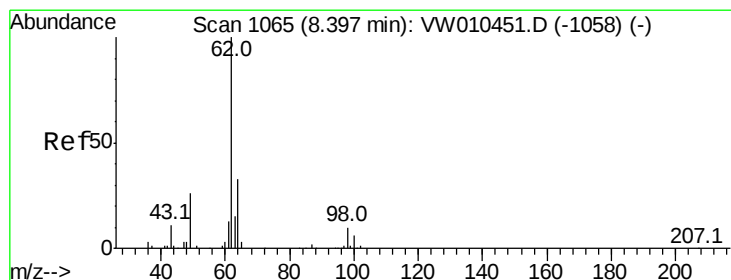
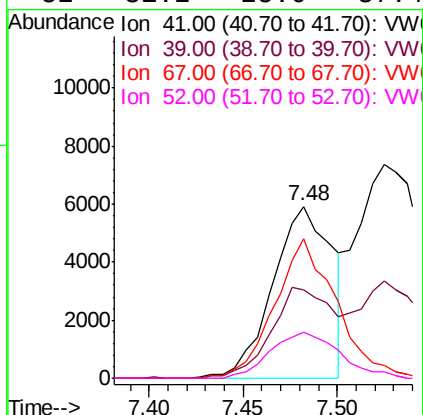
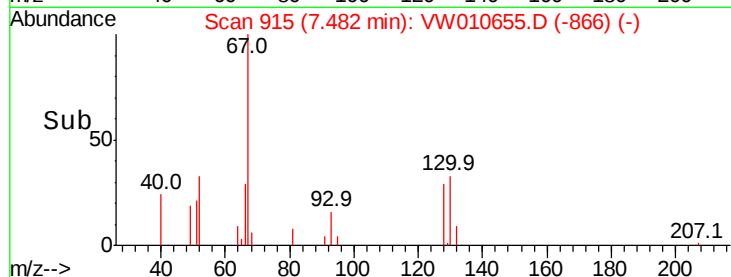
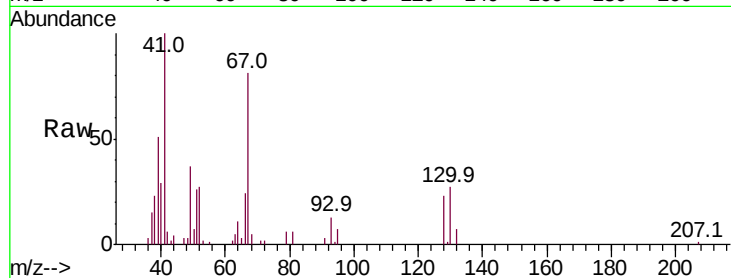
#41
Methacrylonitrile
Concen: 18.725 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	47.4	71.2
67	83.6	65.5	98.3
52	31.2	25.0	37.4

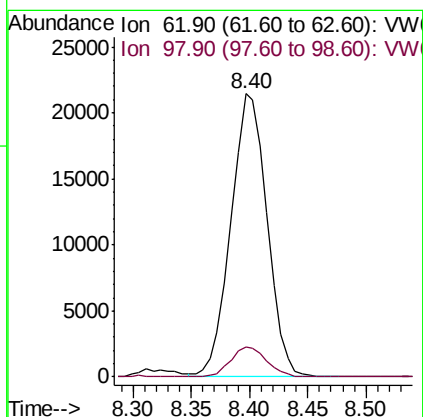
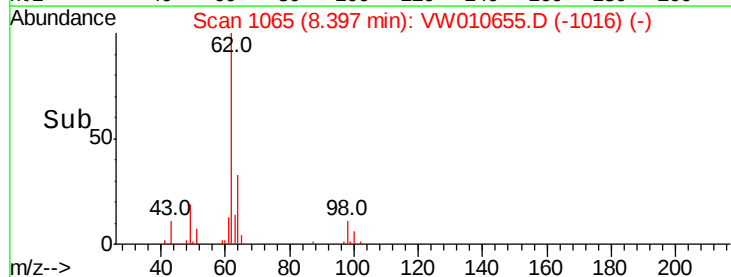
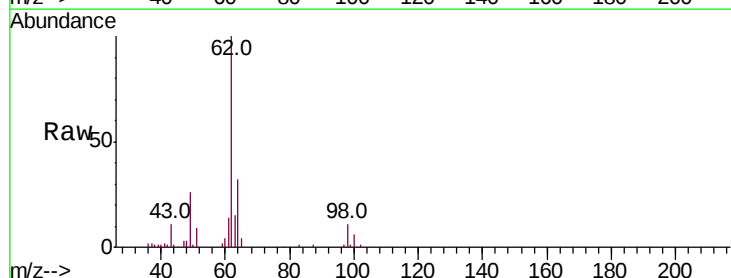
Manual Integrations
APPROVED

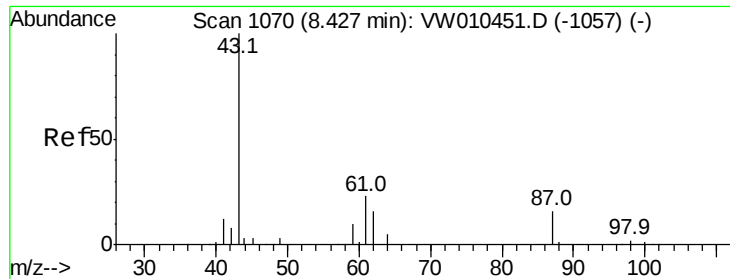
MMDadoda
6/4/2019 12:12:51 PM



#42
1,2-Dichloroethane
Concen: 21.340 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.858 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

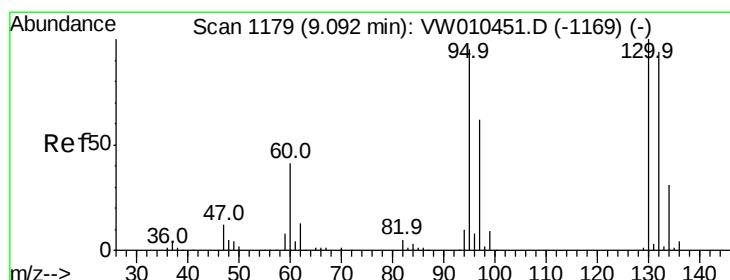
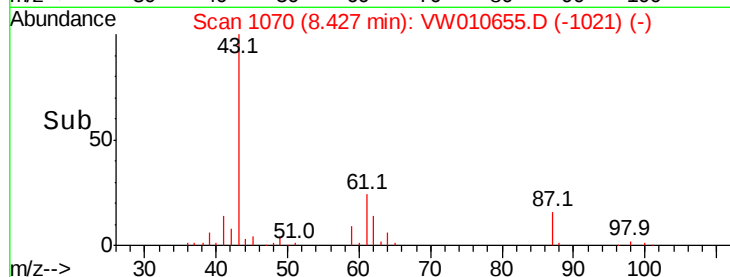
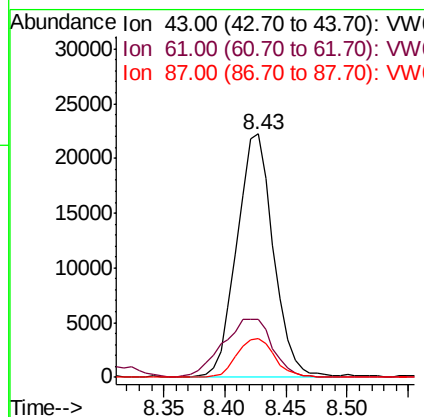
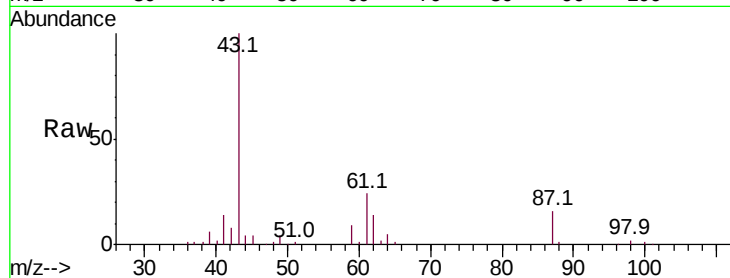
ClientSampleId :

VW0603SBS01

Tot Ion:	43	Resp:	46266
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.4	38.2
87	16.5	12.7	19.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#44

Trichloroethene

Concen: 22.318 ug/l

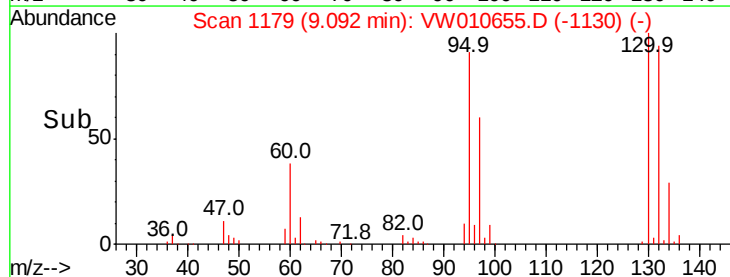
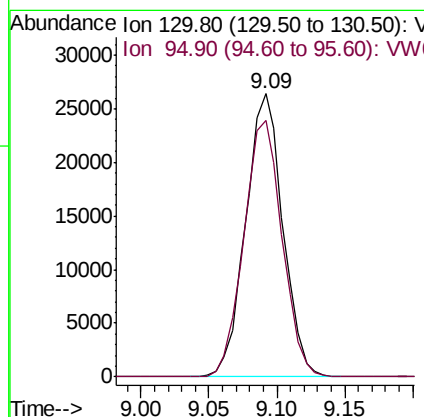
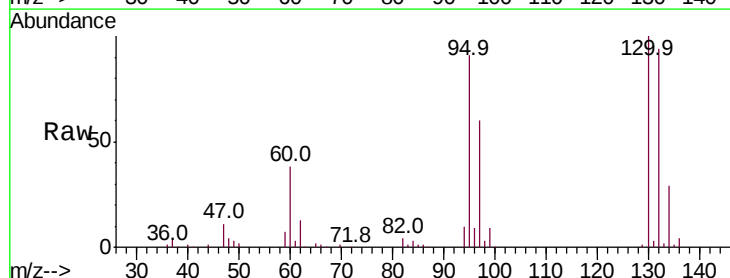
RT: 9.09 min Scan# 1179

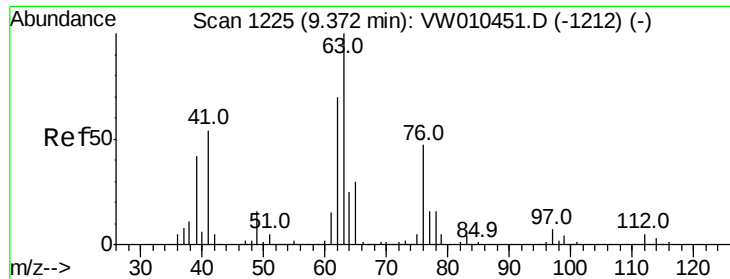
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion:	130	Resp:	50503
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	189.6





#45

1,2-Dichloropropane

Concen: 21.194 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampled :

VW0603SBS01

Tot Ion: 63 Resp: 38368

Ion Ratio Lower Upper

63 100

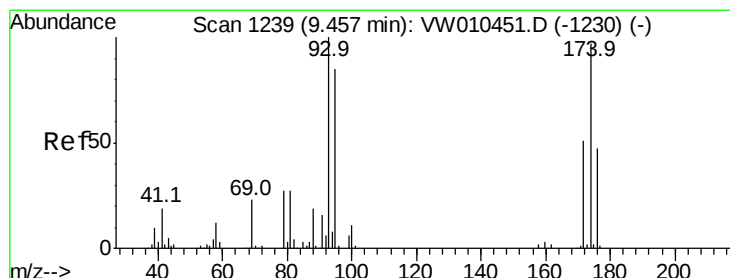
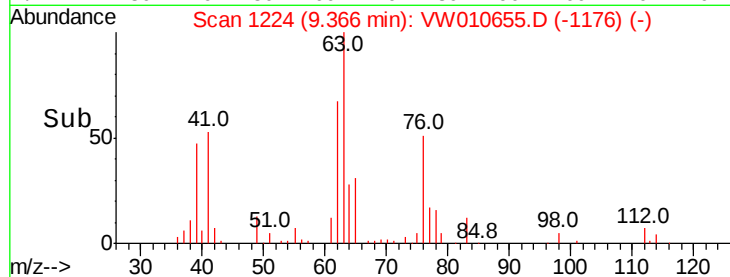
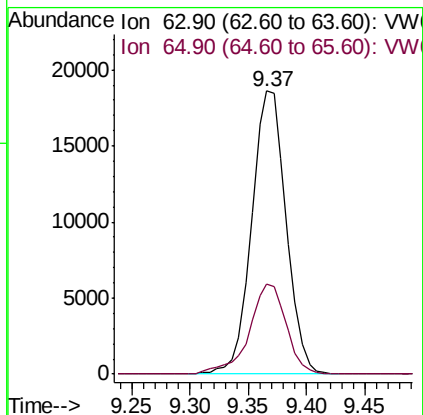
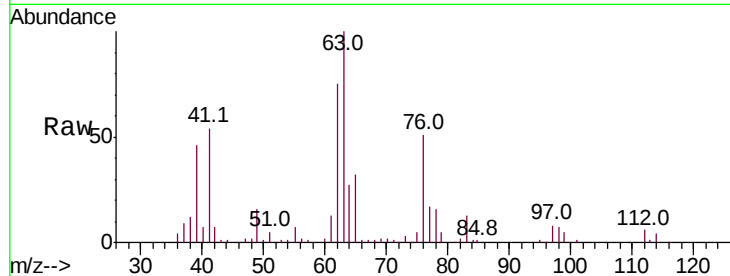
65 32.0 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#46

Dibromomethane

Concen: 22.065 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

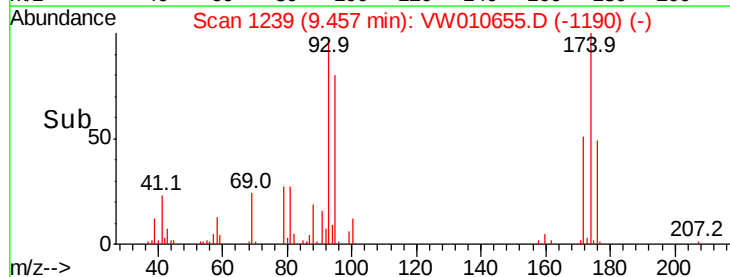
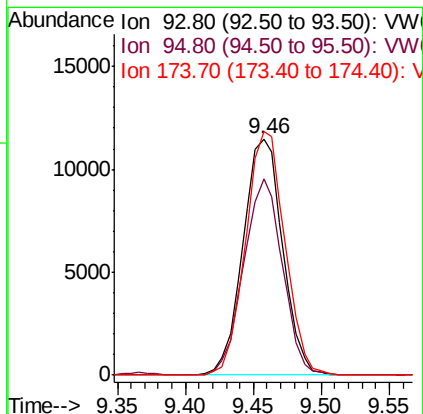
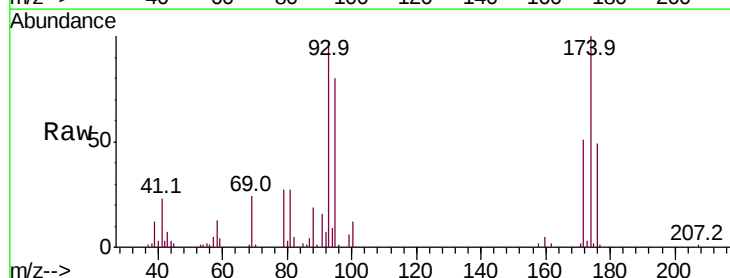
Tgt Ion: 93 Resp: 23360

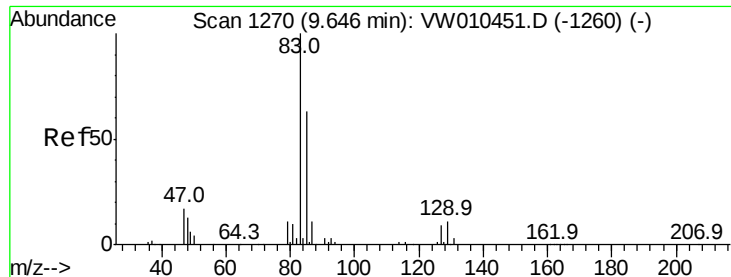
Ion Ratio Lower Upper

93 100

95 81.7 66.1 99.1

174 102.4 77.1 115.7





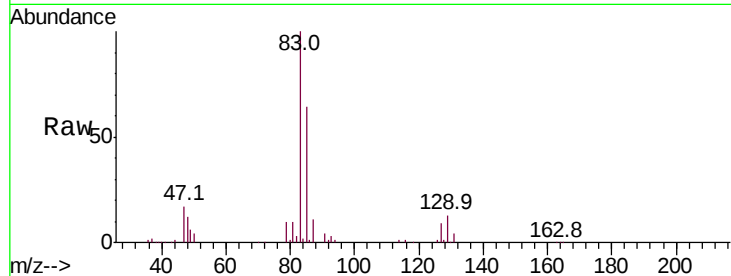
#47
Bromodichloromethane
Concen: 20.864 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

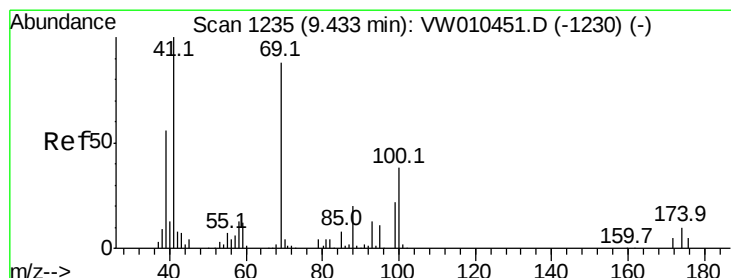
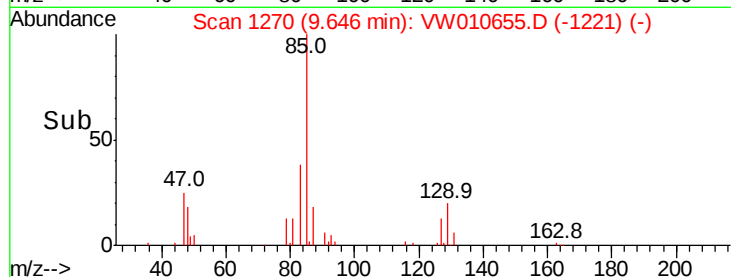
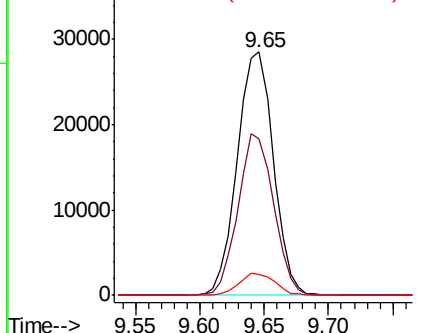
Tot Ion	83	Resp	55508
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.4	75.6
127	8.6	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM

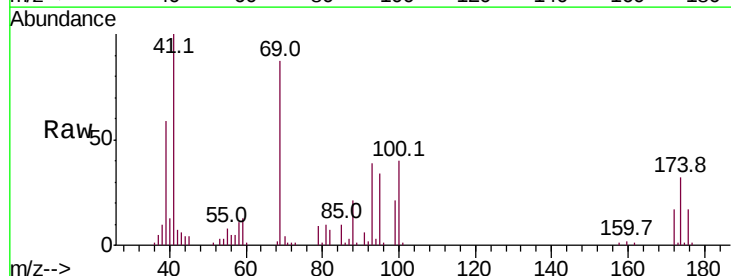


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

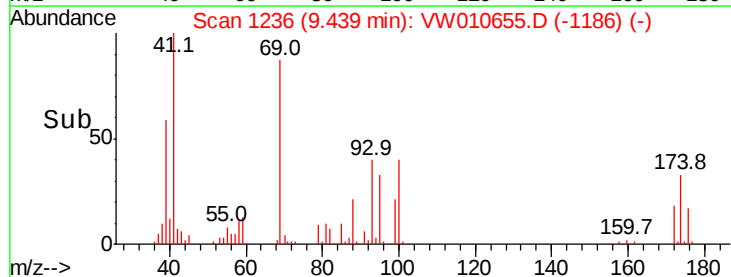
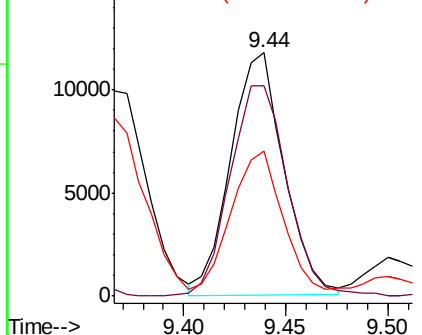


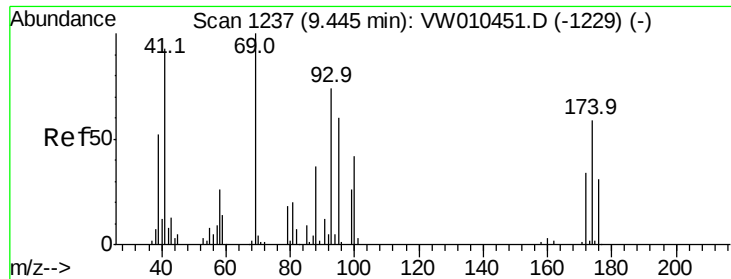
#48
Methyl methacrylate
Concen: 20.032 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	41	Resp	21351
Ion Ratio	100	Lower	Upper
41	100		
69	94.0	77.6	116.4
39	60.8	49.8	74.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 350.460 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

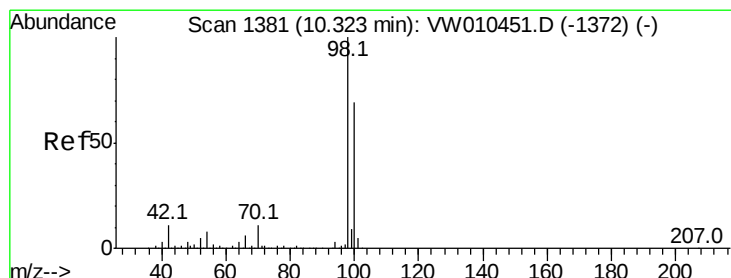
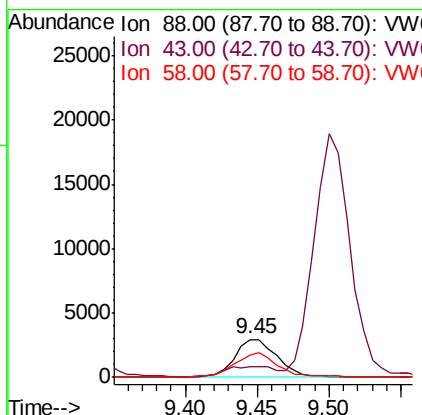
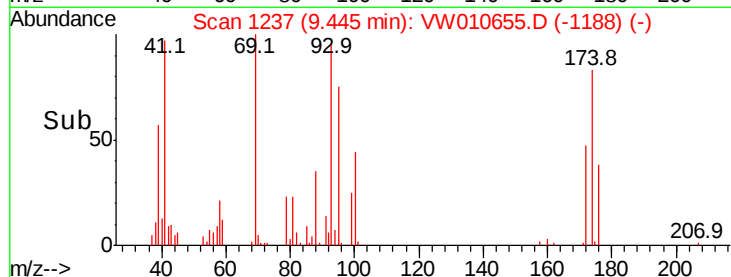
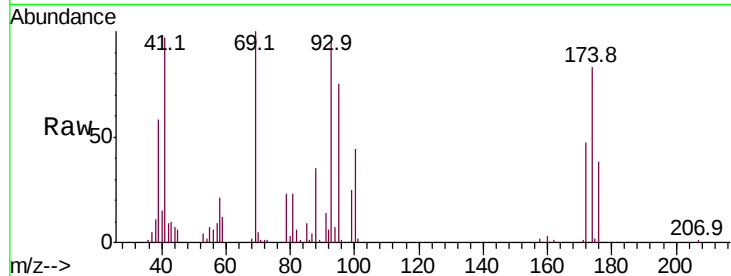
ClientSampleId :

VW0603SBS01

Tot Ion:	88	Resp:	6061
Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.9	38.9
58	66.8	52.7	79.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#50

Toluene-d8

Concen: 52.400 ug/l

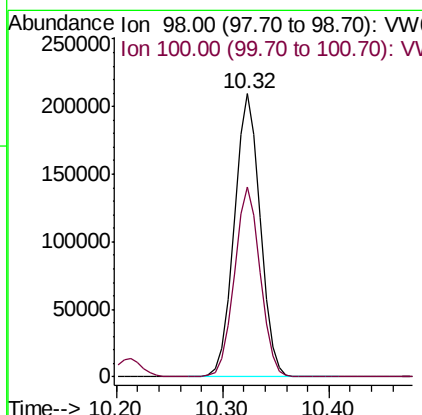
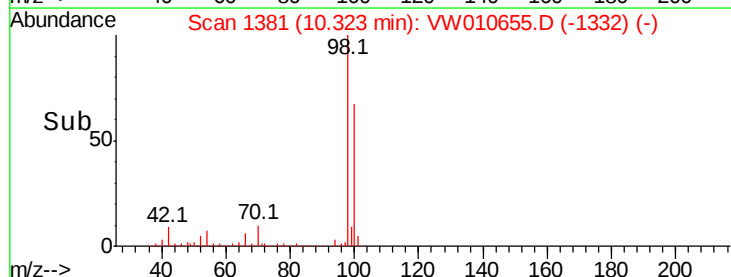
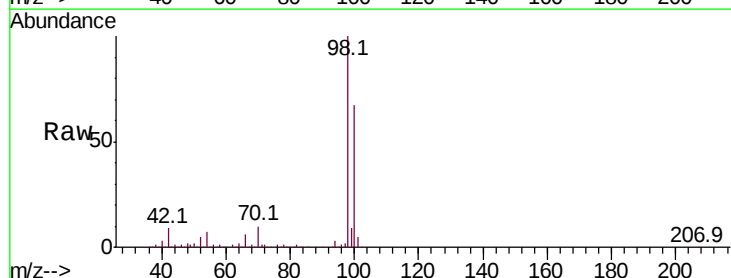
RT: 10.32 min Scan# 1381

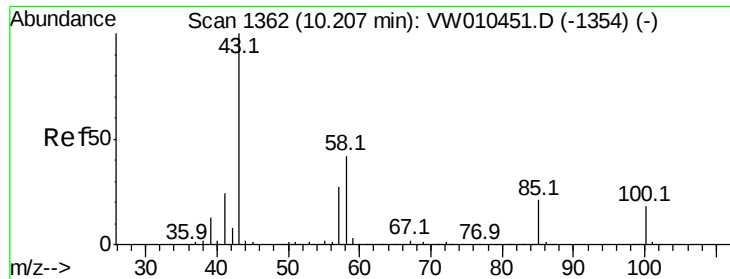
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion:	98	Resp:	357585
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.7	80.5





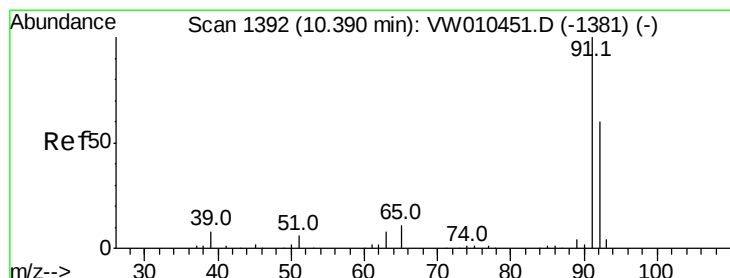
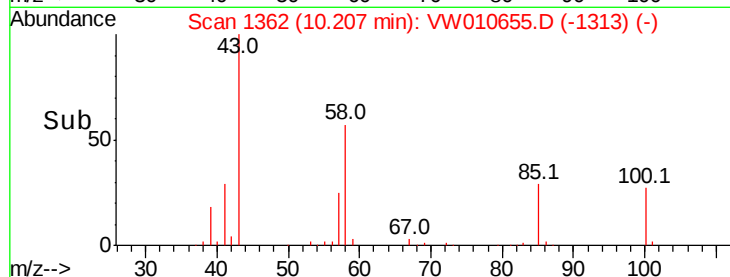
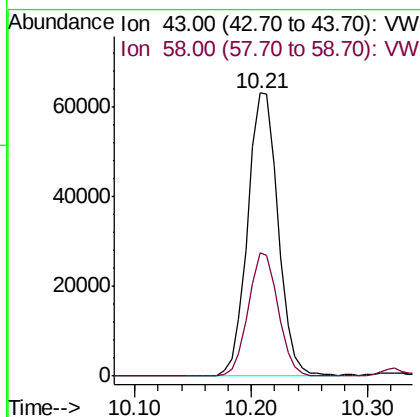
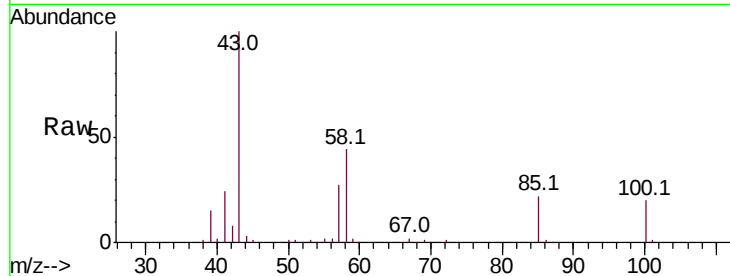
#51
4-Methyl-2-Pentanone
Concen: 97.939 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampled :
VW0603SBS01

Tot Ion: 43 Resp: 115623
Ion Ratio Lower Upper
43 100
58 42.8 33.2 49.8

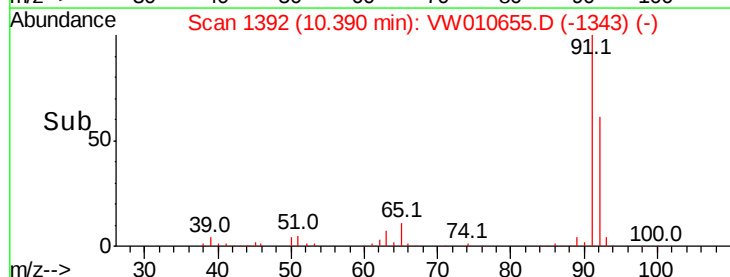
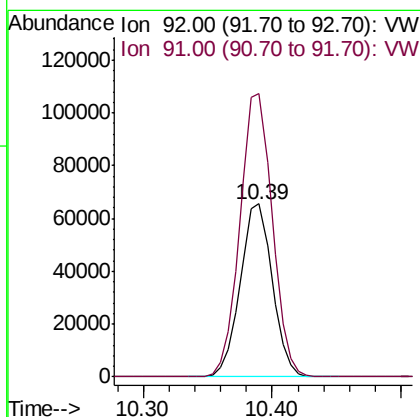
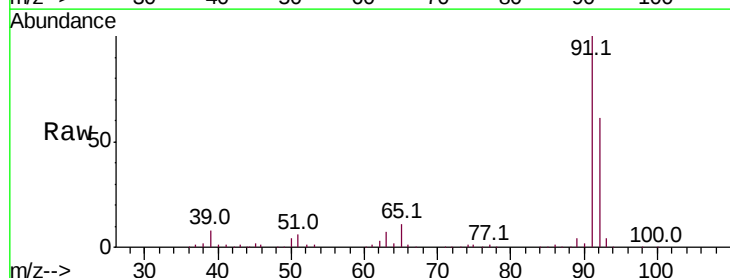
Manual Integrations
APPROVED

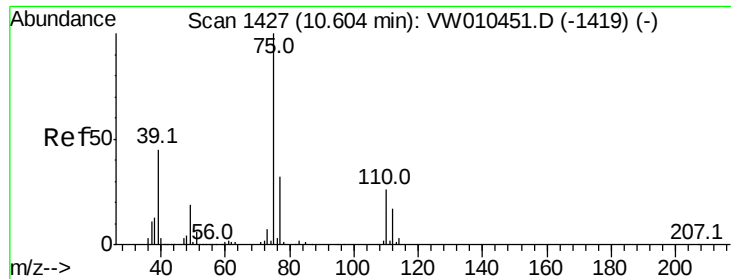
MMDadoda
6/4/2019 12:12:51 PM



#52
Toluene
Concen: 21.993 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion: 92 Resp: 112582
Ion Ratio Lower Upper
92 100
91 165.9 135.4 203.0





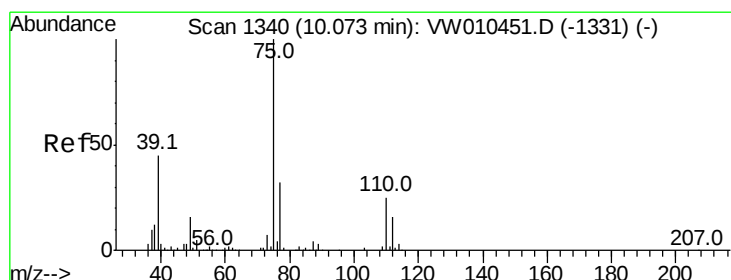
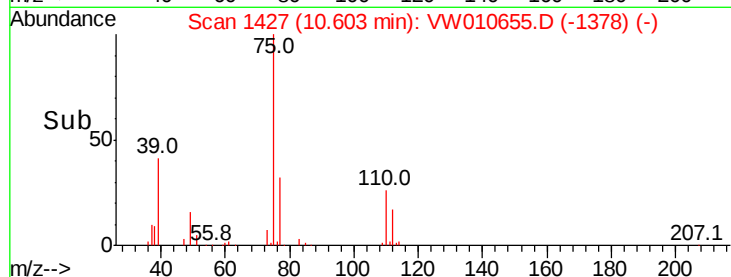
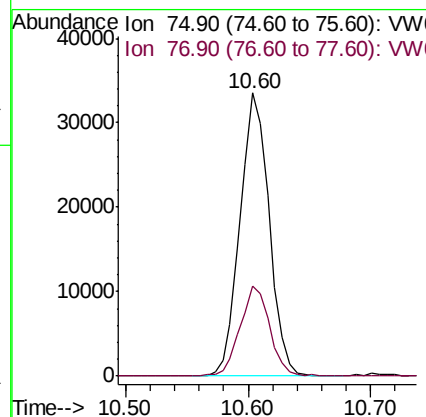
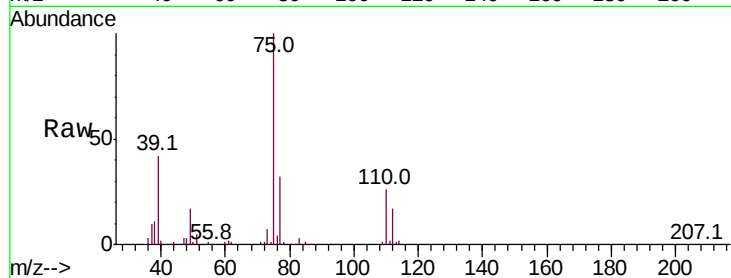
#53
t-1,3-Dichloropropene
Concen: 20.525 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

Tot Ion: 75 Resp: 55303
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0

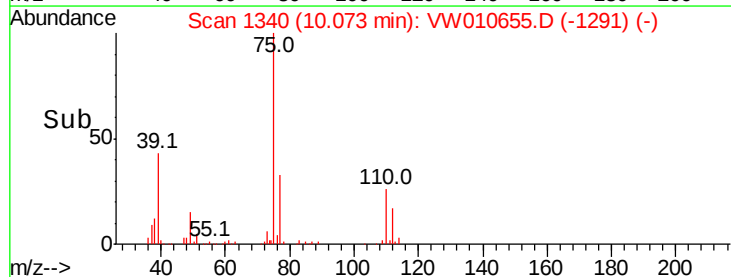
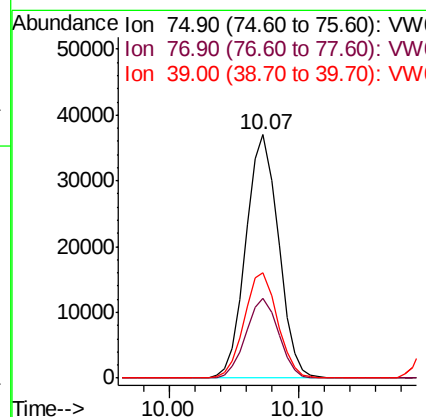
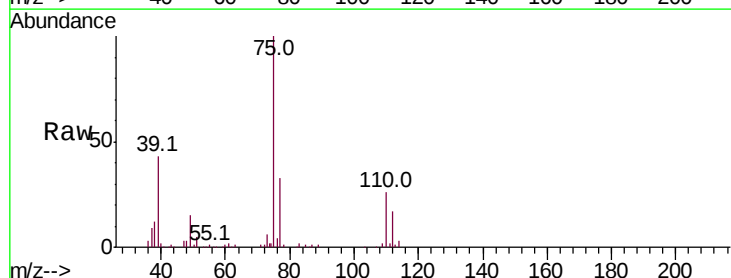
Manual Integrations
APPROVED

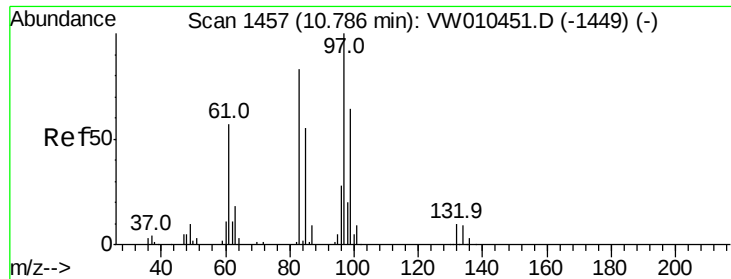
MMDadoda
6/4/2019 12:12:51 PM



#54
cis-1,3-Dichloropropene
Concen: 21.101 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion: 75 Resp: 64931
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5
39 43.3 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 22.346 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 97 Resp: 34020

Ion Ratio Lower Upper

97 100

83 75.5 66.1 99.1

85 51.7 44.2 66.4

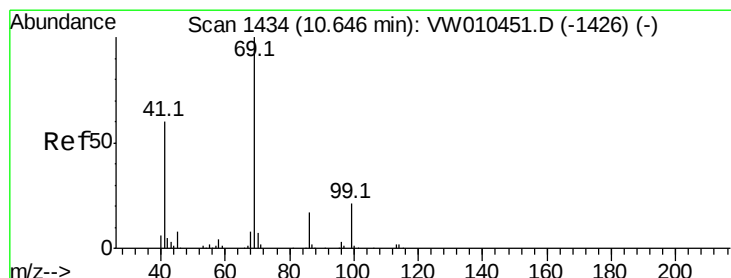
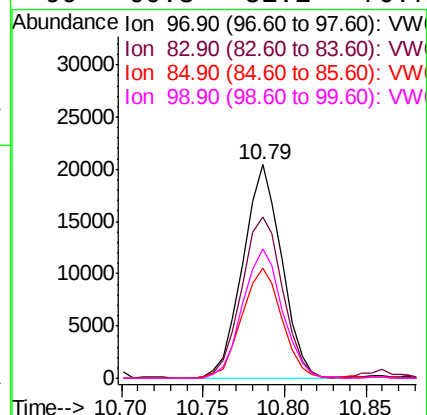
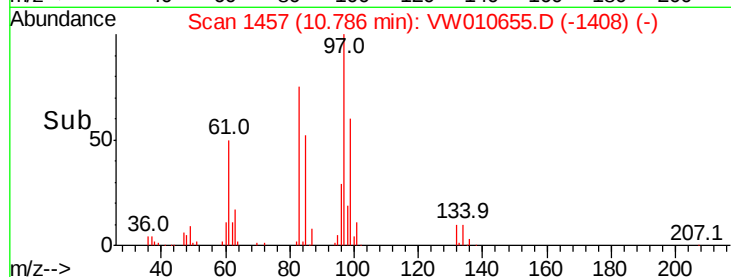
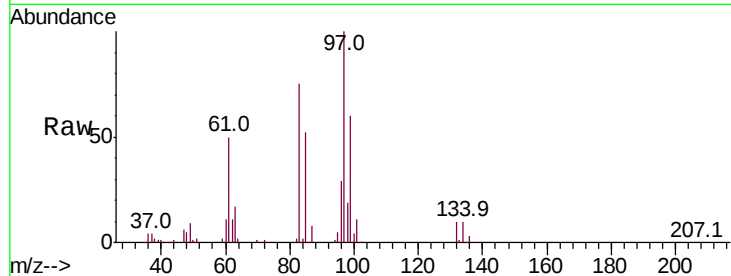
99 60.3 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#56

Ethyl methacrylate

Concen: 19.433 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

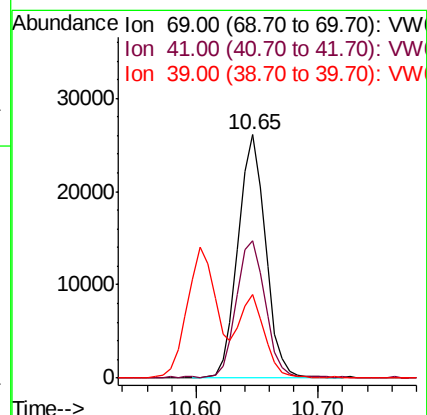
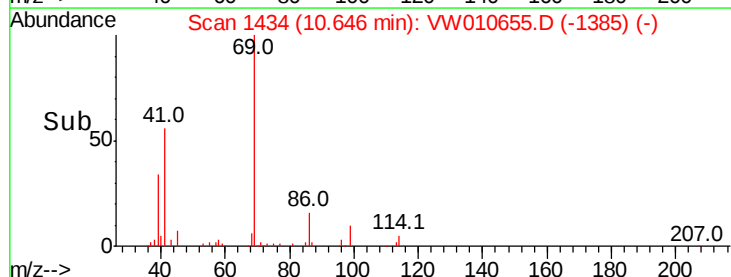
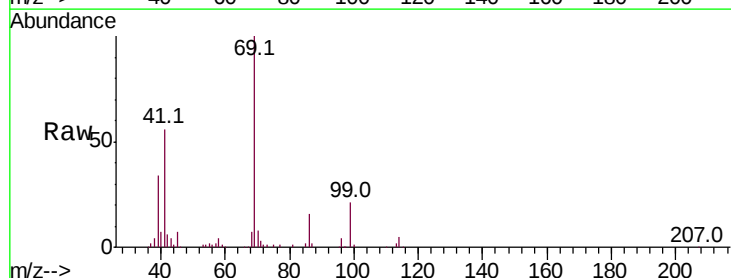
Tgt Ion: 69 Resp: 40802

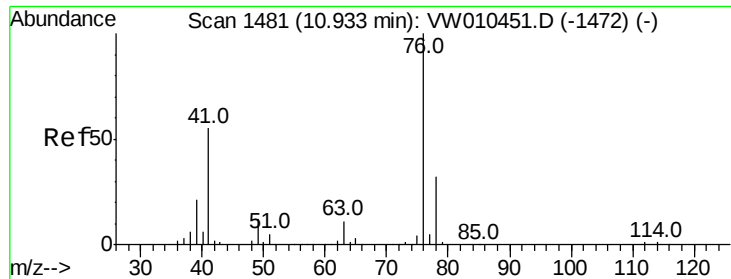
Ion Ratio Lower Upper

69 100

41 58.5 47.7 71.5

39 30.7 25.3 37.9





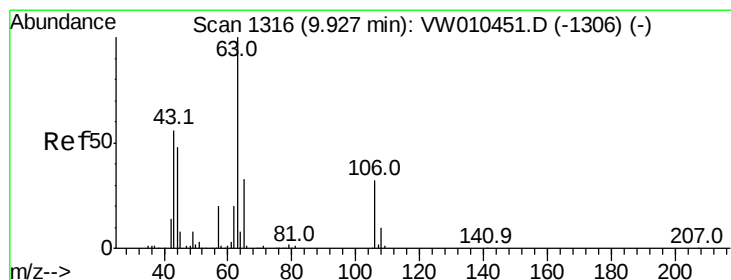
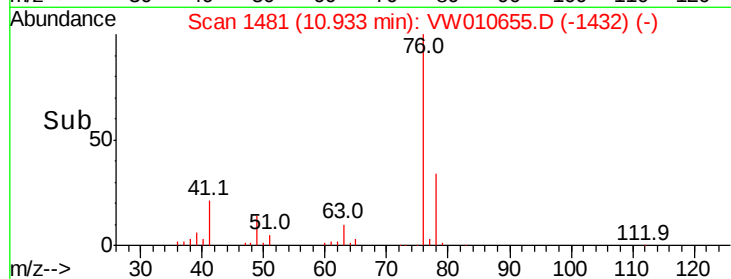
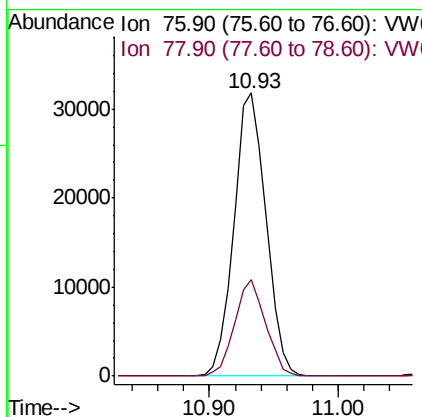
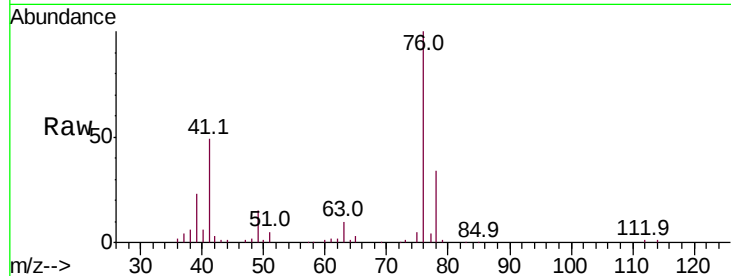
#57
 1,3-Dichloropropane
 Concen: 21.520 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Instrument :
 MSVOA_W
 ClientSampled :
 VW0603SBS01

Tot Ion: 76 Resp: 54878
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2

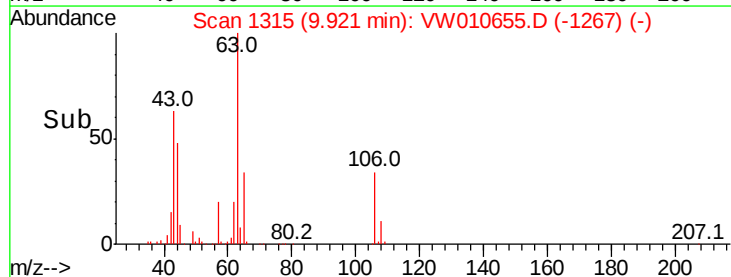
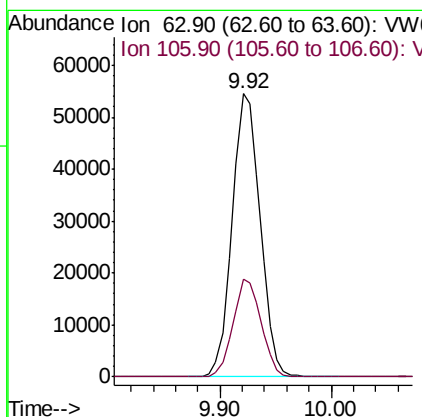
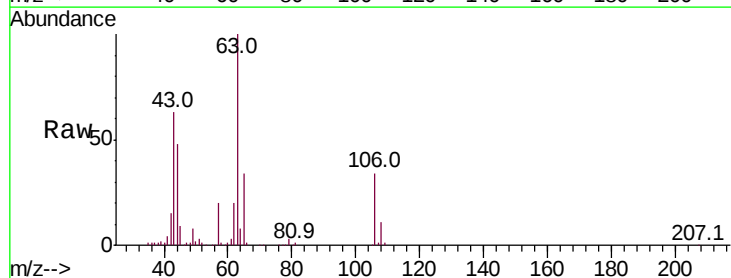
Manual Integrations
 APPROVED

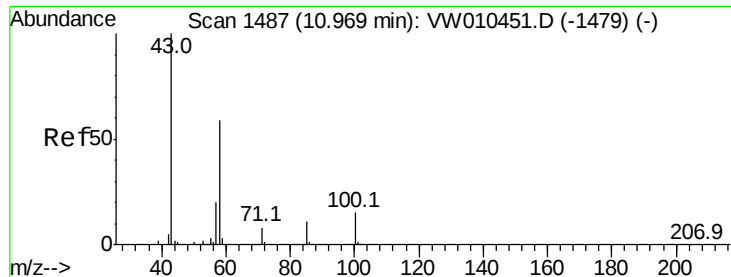
MMDadoda
 6/4/2019 12:12:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.066 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Tgt Ion: 63 Resp: 94921
 Ion Ratio Lower Upper
 63 100
 106 34.4 25.8 38.6





#59

2-Hexanone

Concen: 98.297 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 43 Resp: 82781

Ion Ratio Lower Upper

43 100

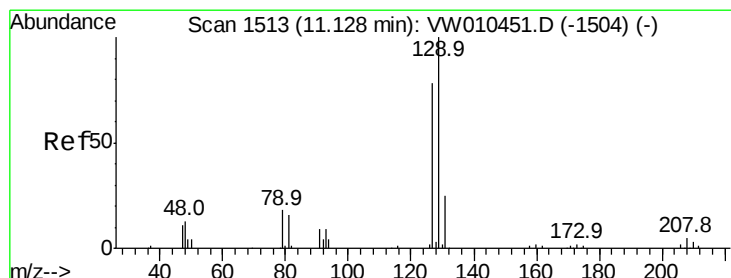
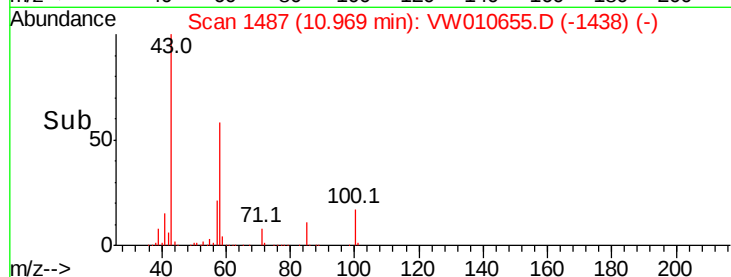
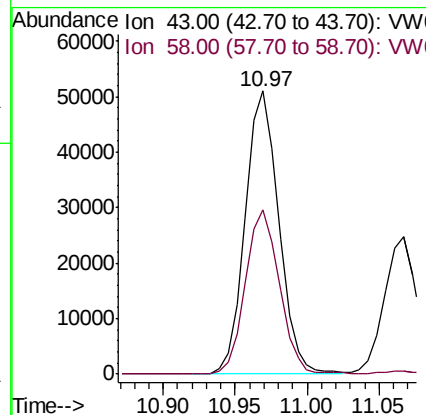
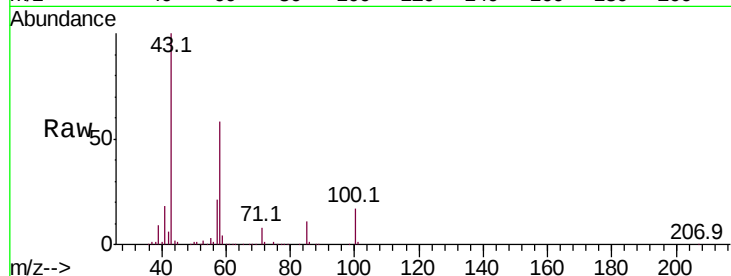
58 58.7 28.9 86.8

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#60

Dibromochloromethane

Concen: 21.527 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010655.D

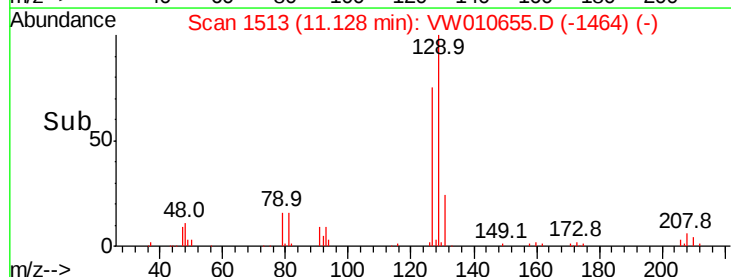
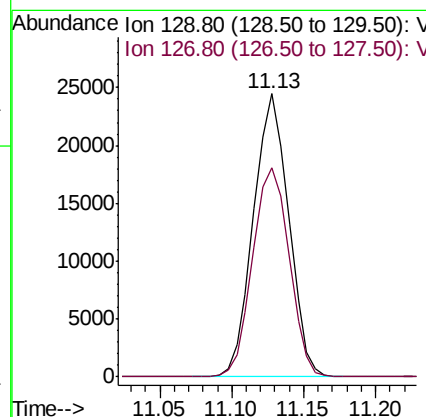
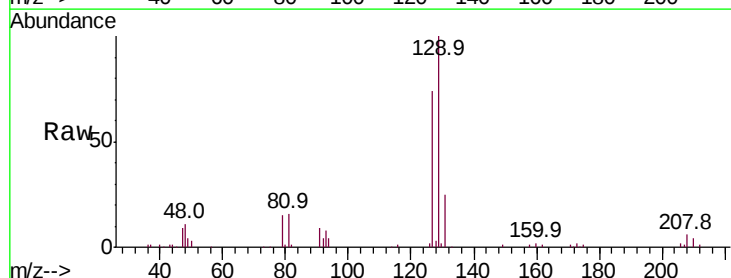
Acq: 03 Jun 2019 13:15

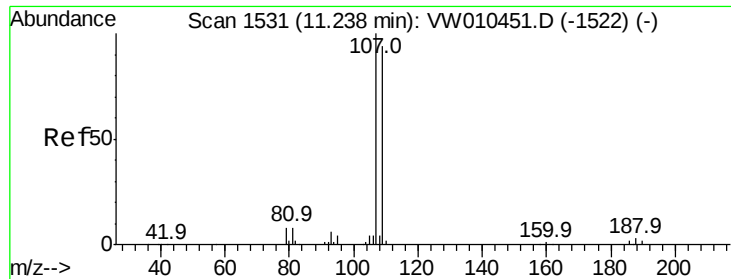
Tgt Ion: 129 Resp: 41478

Ion Ratio Lower Upper

129 100

127 76.6 38.9 116.7





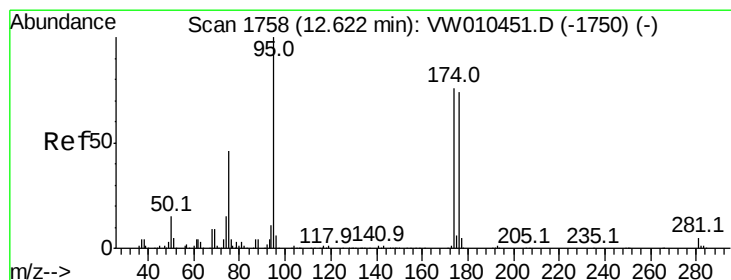
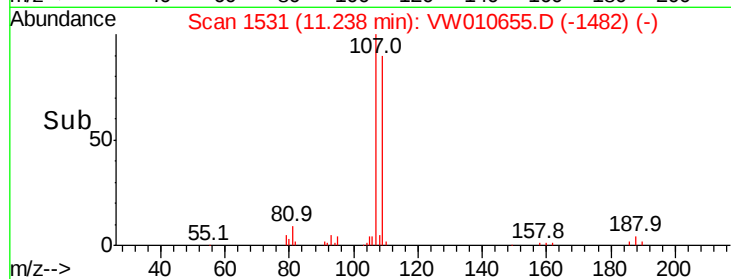
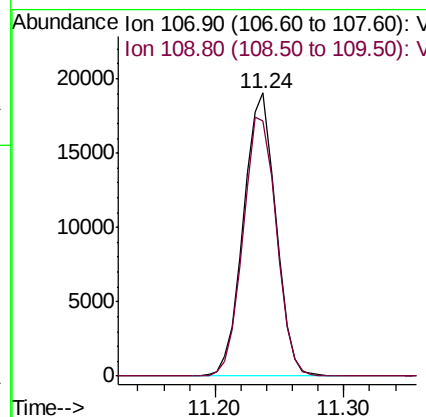
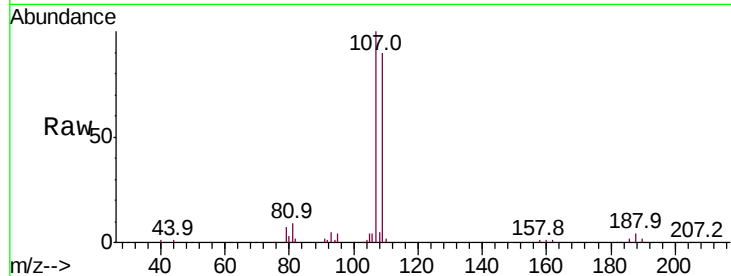
#61
 1,2-Dibromoethane
 Concen: 21.440 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0603SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.4

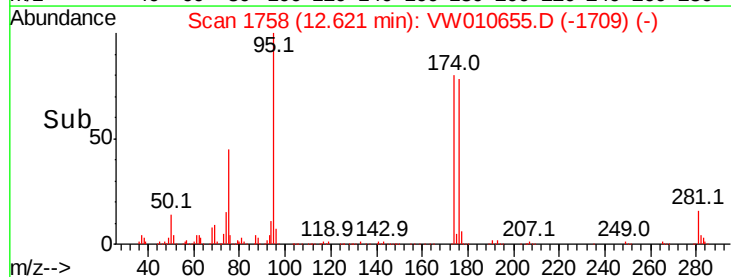
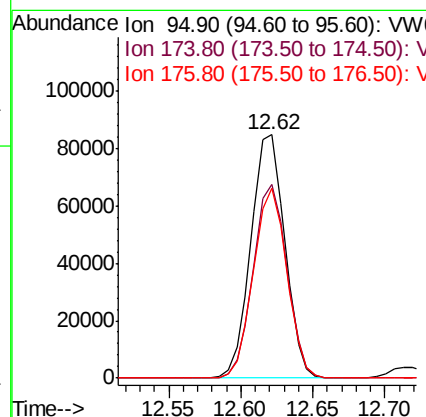
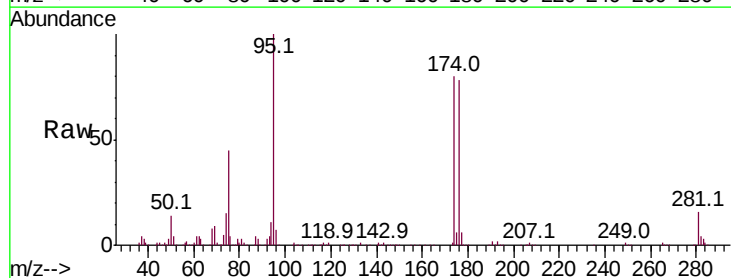
Manual Integrations
 APPROVED

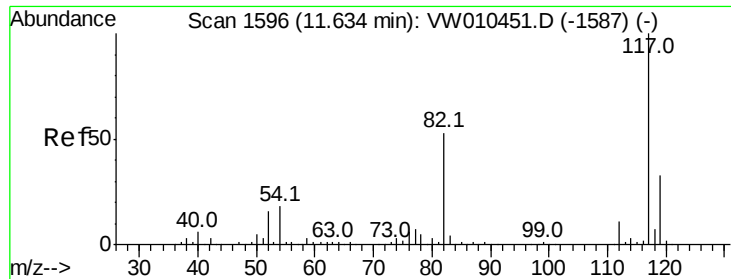
MMDadoda
 6/4/2019 12:12:51 PM



#62
 4-Bromofluorobenzene
 Concen: 50.847 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	148.6
176	76.7	0.0	144.2





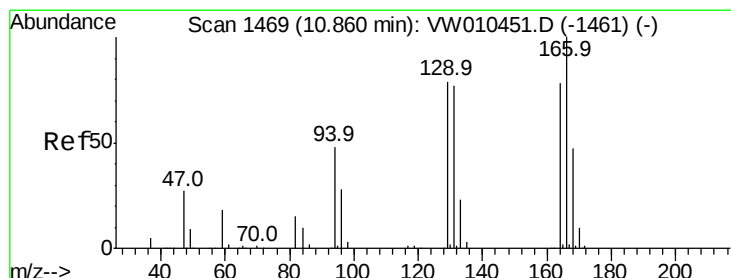
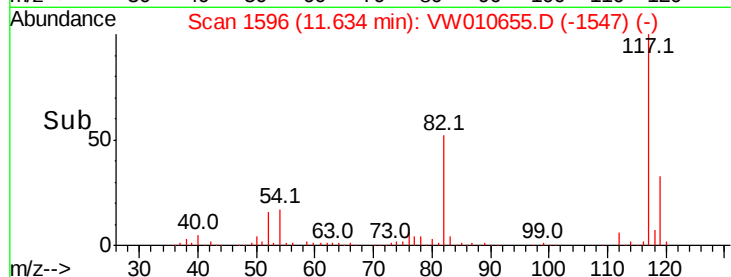
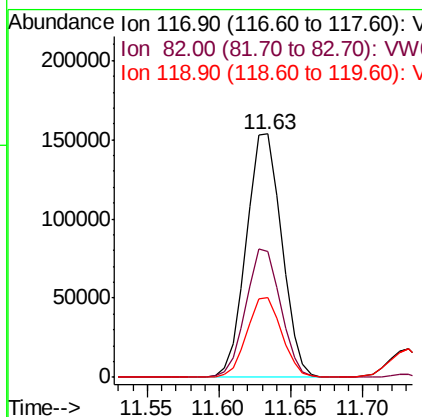
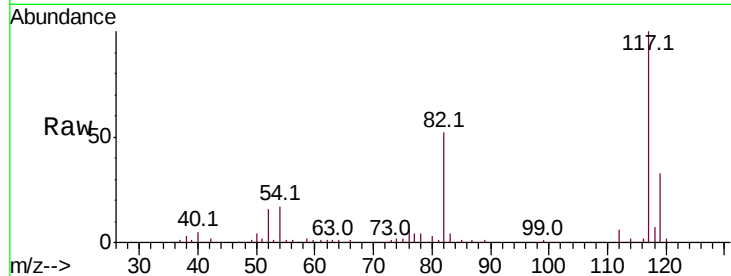
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.8	64.2
119	32.9	26.3	39.5

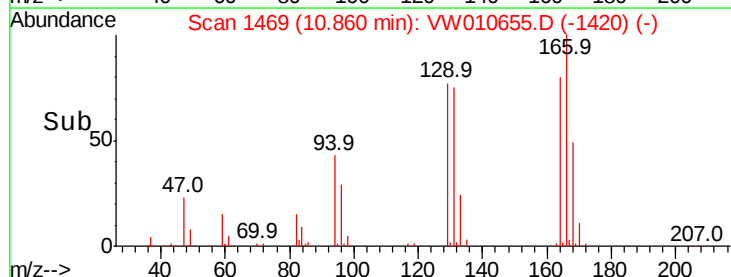
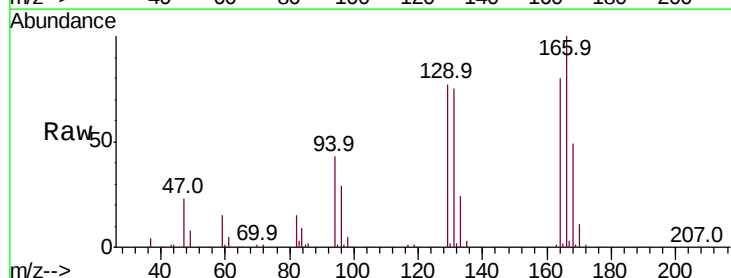
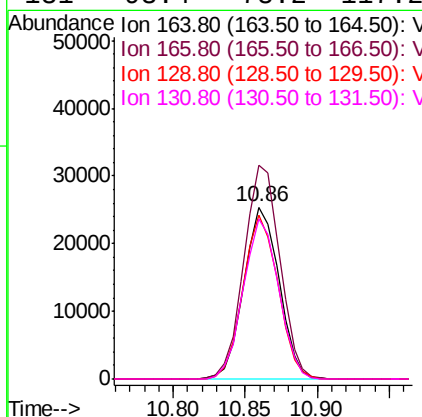
Manual Integrations
APPROVED

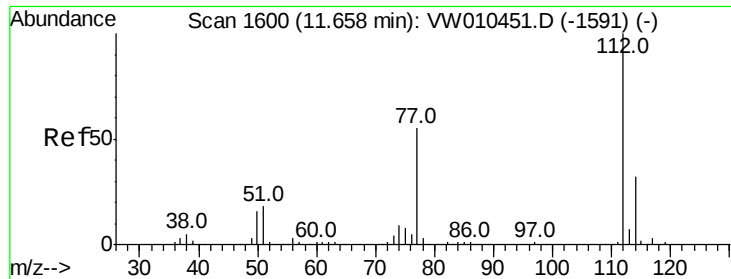
MMDadoda
6/4/2019 12:12:51 PM



#64
Tetrachloroethene
Concen: 23.485 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.9	152.9
129	95.6	80.6	121.0
131	93.4	78.2	117.2





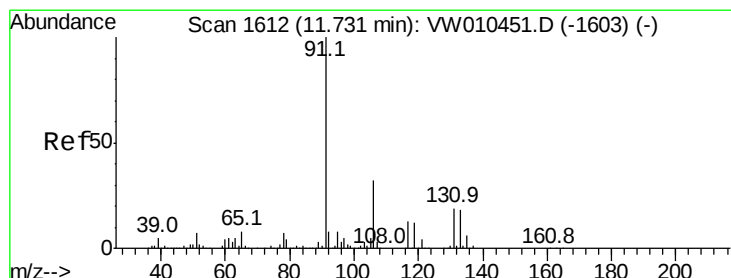
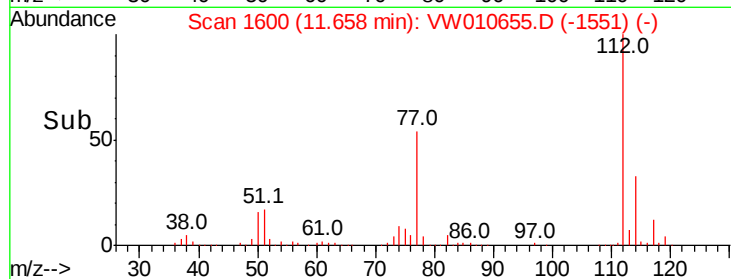
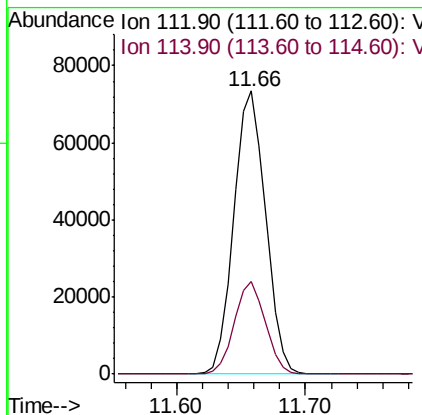
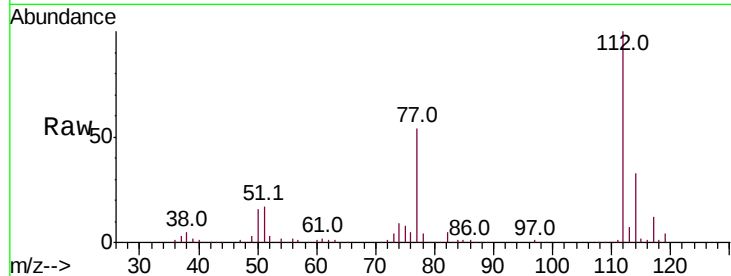
#65
Chlorobenzene
Concen: 22.534 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

Tot Ion:112 Resp: 125850
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

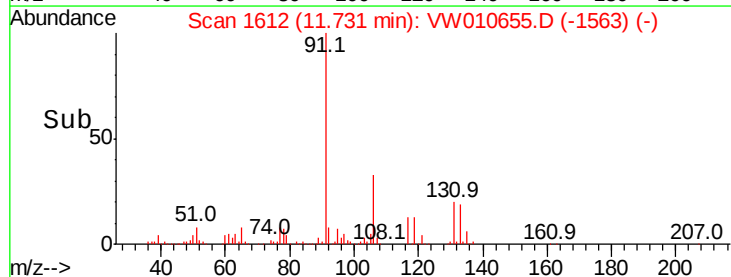
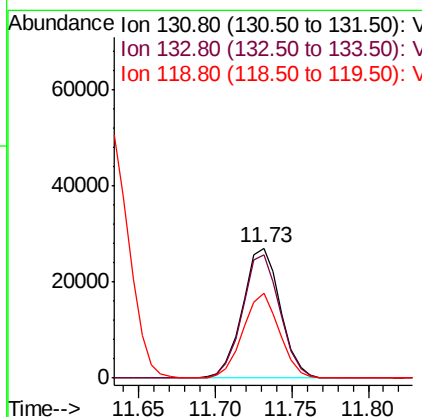
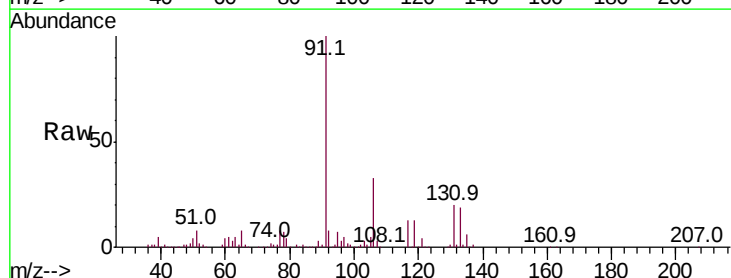
Manual Integrations
APPROVED

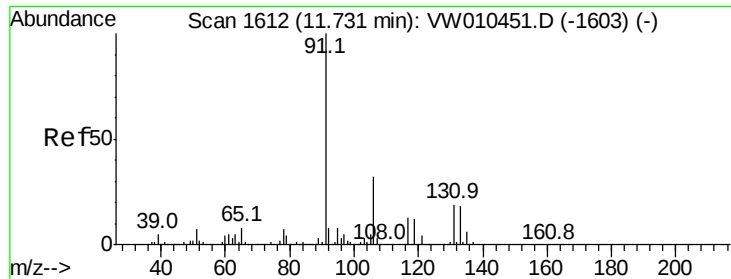
MMDadoda
6/4/2019 12:12:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.057 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion:131 Resp: 46128
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 63.6 32.1 96.5





#67

Ethyl Benzene

Concen: 21.659 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 91 Resp: 213569

Ion Ratio Lower Upper

91 100

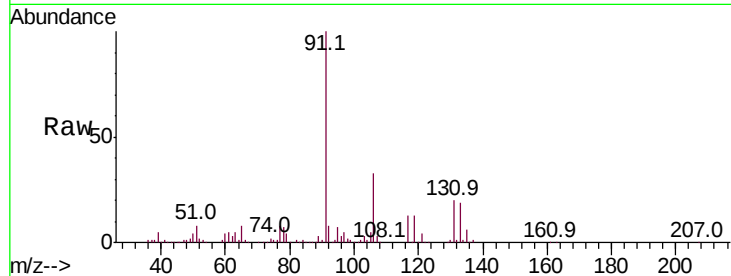
106 32.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

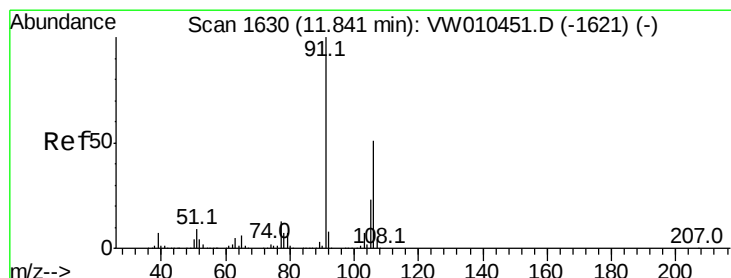
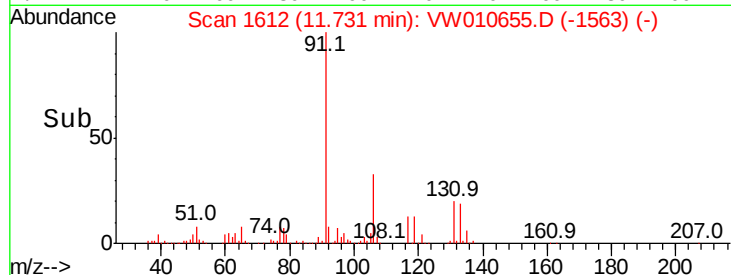
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 44.009 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010655.D

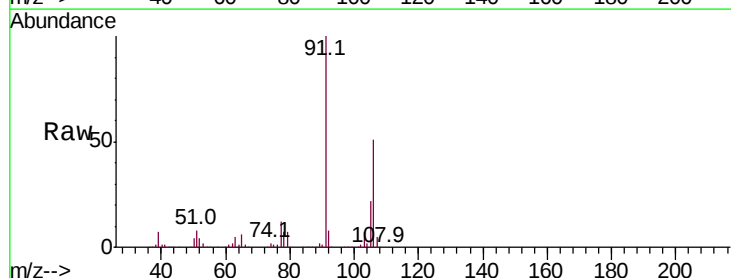
Acq: 03 Jun 2019 13:15

Tgt Ion: 106 Resp: 170205

Ion Ratio Lower Upper

106 100

91 191.6 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

200000

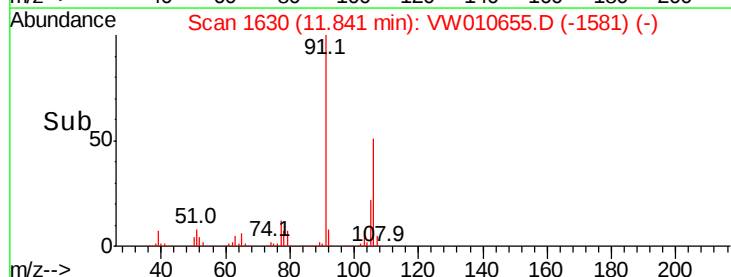
150000

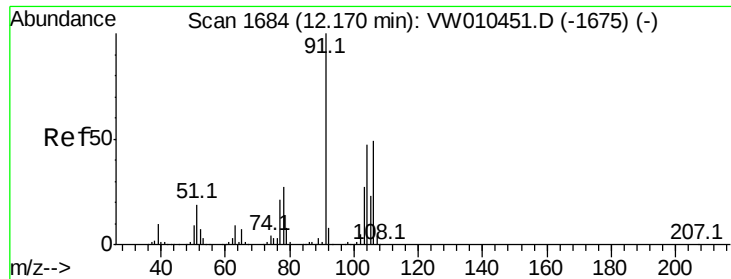
100000

50000

0

Time-->





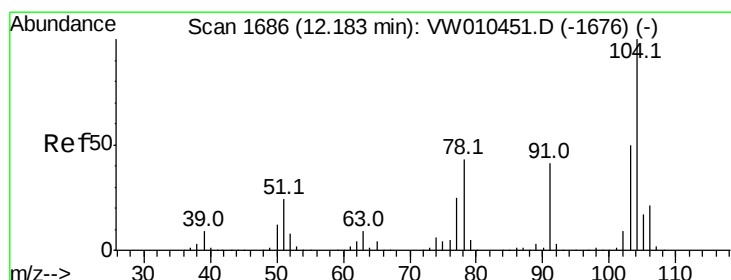
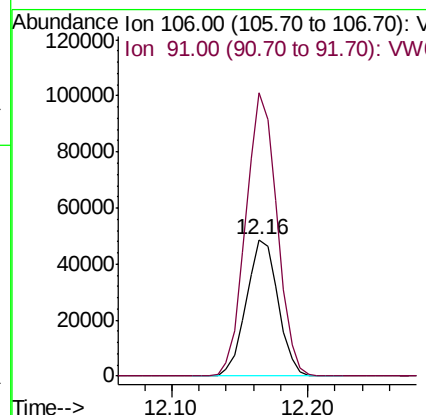
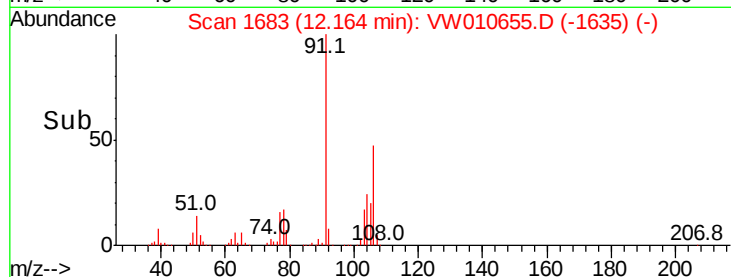
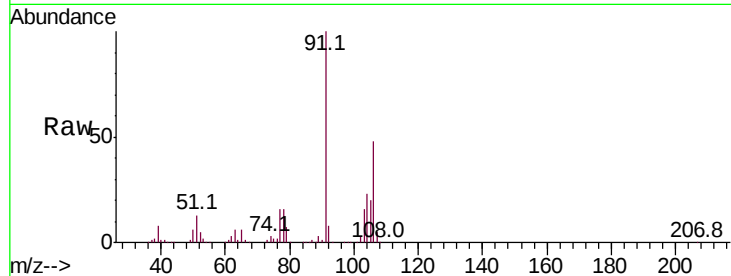
#69
o-Xylene
Concen: 21.754 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion:106 Resp: 79711
Ion Ratio Lower Upper
106 100
91 204.0 103.2 309.4

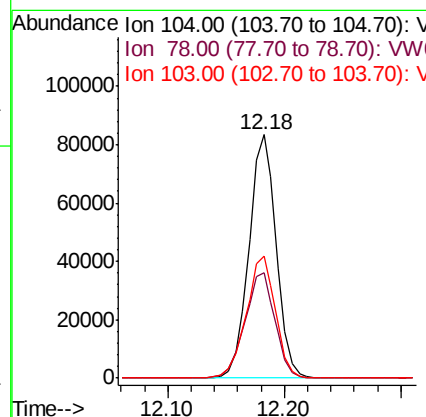
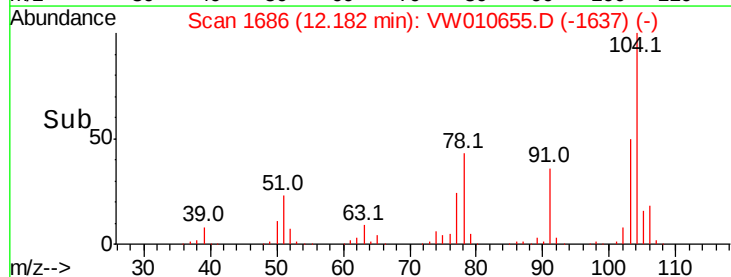
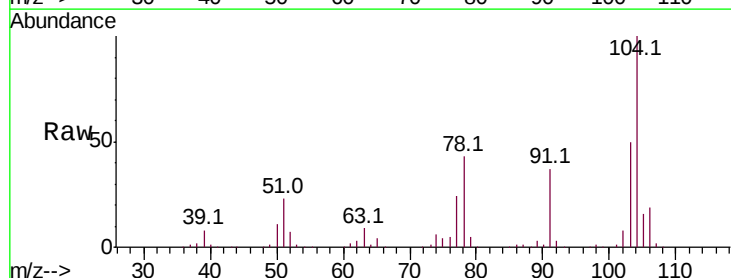
Manual Integrations
APPROVED

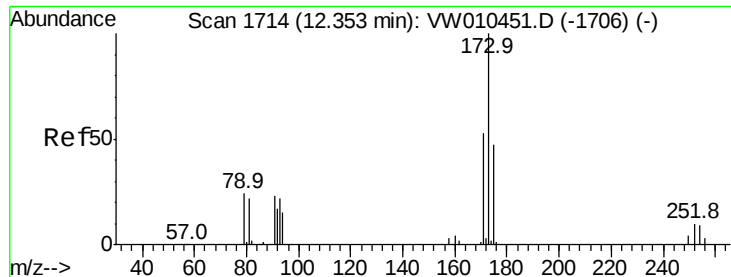
MMDadoda
6/4/2019 12:12:51 PM



#70
Styrene
Concen: 21.761 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion:104 Resp: 135293
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 53.7 43.0 64.6





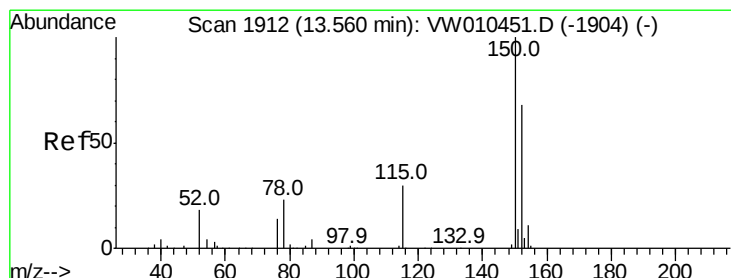
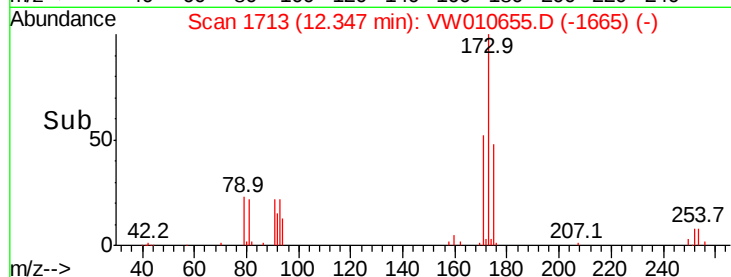
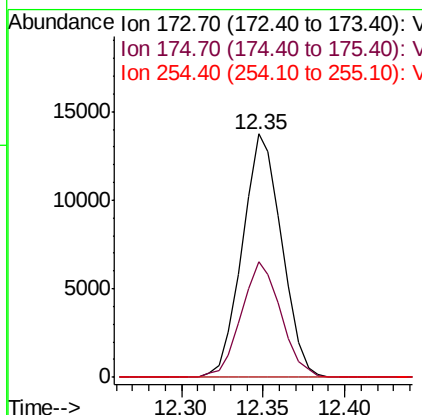
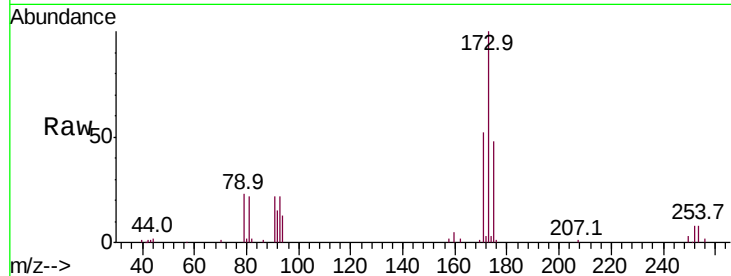
#71
Bromoform
Concen: 20.874 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.0	0.0	0.0

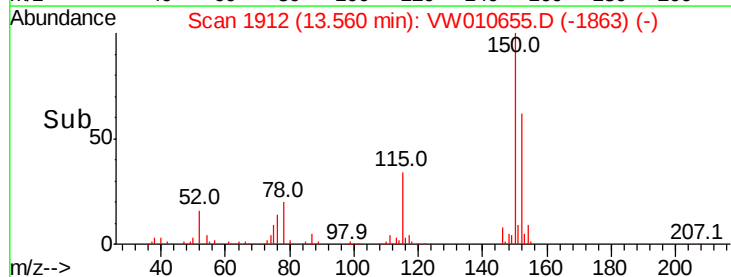
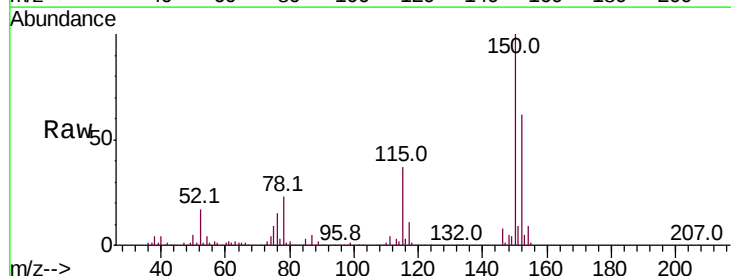
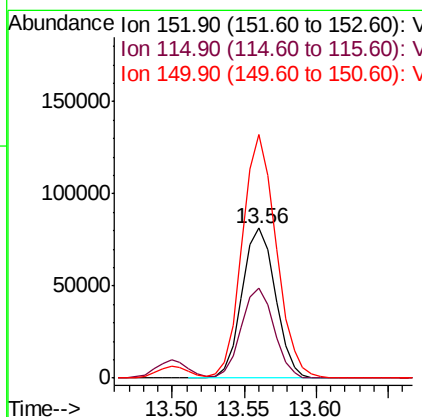
Manual Integrations
APPROVED

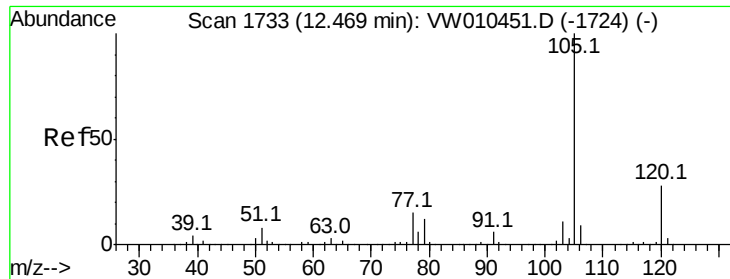
MMDadoda
6/4/2019 12:12:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.3	91.0
150	165.5	0.0	349.8





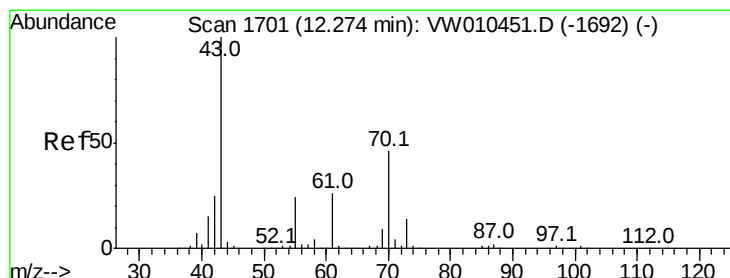
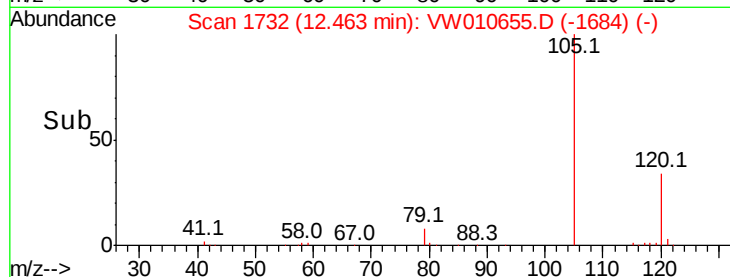
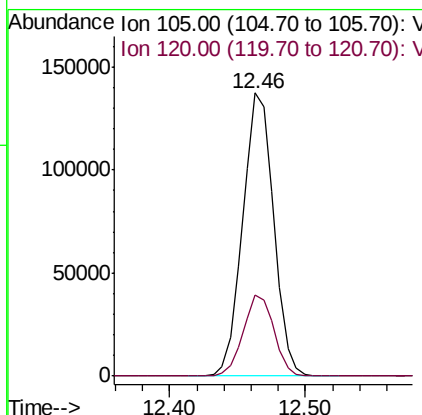
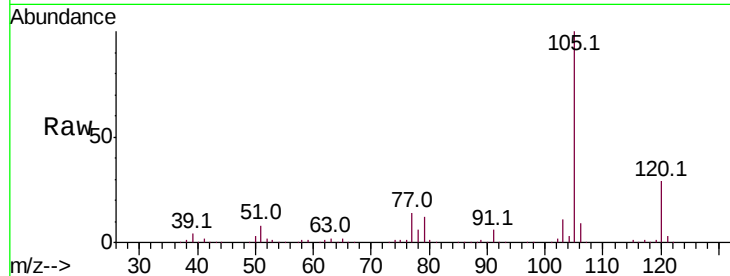
#73
Isopropylbenzene
Concen: 21.106 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion: 105 Resp: 218515
Ion Ratio Lower Upper
105 100
120 28.6 13.9 41.7

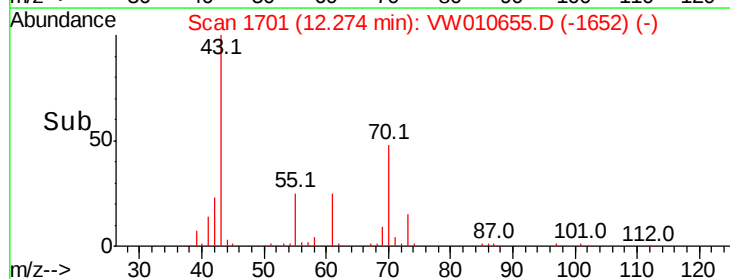
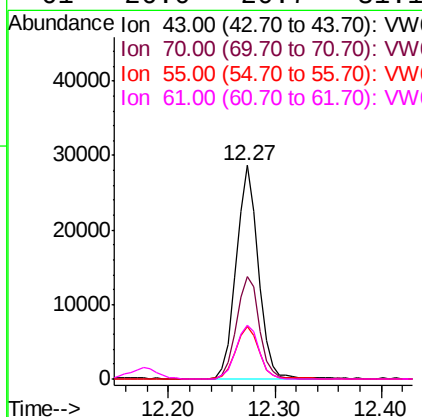
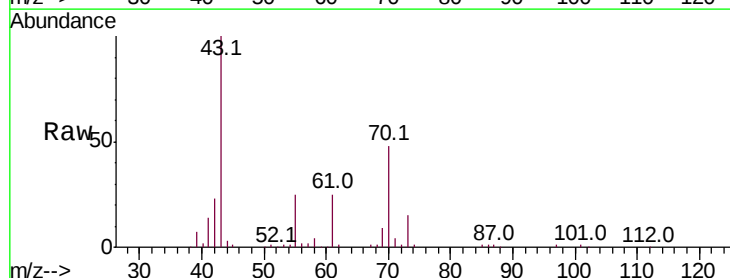
Manual Integrations
APPROVED

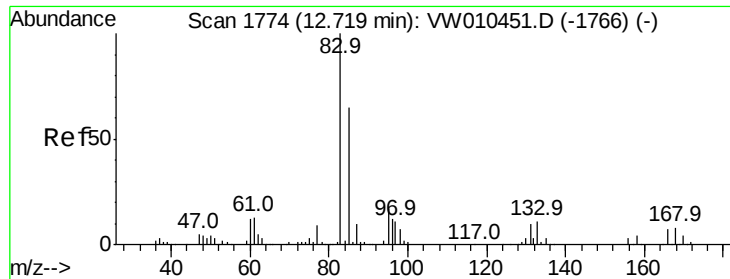
MMDadoda
6/4/2019 12:12:51 PM



#74
N-ethyl acetate
Concen: 17.725 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion: 43 Resp: 42052
Ion Ratio Lower Upper
43 100
70 49.2 37.1 55.7
55 26.0 19.6 29.4
61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.766 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

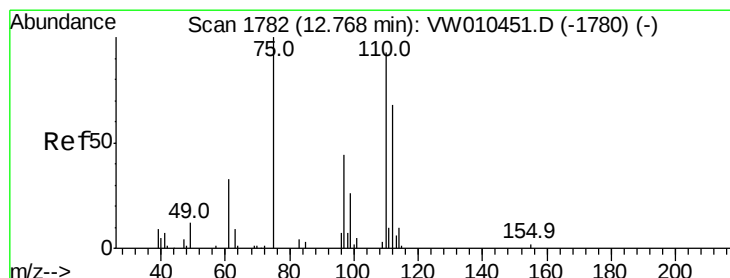
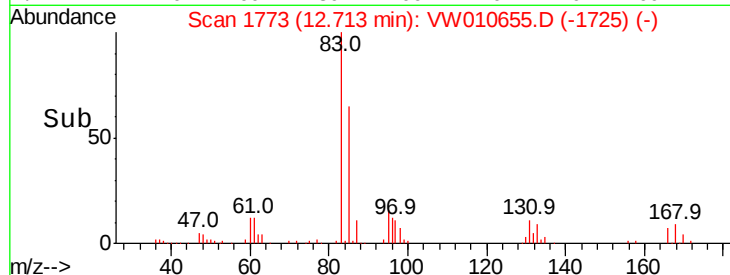
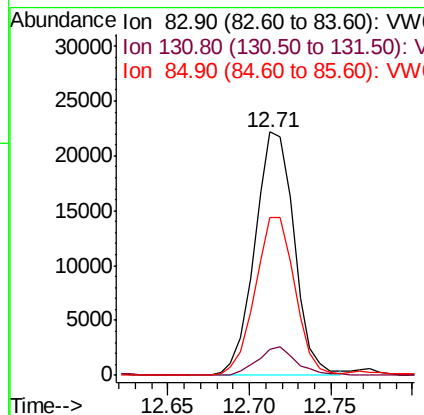
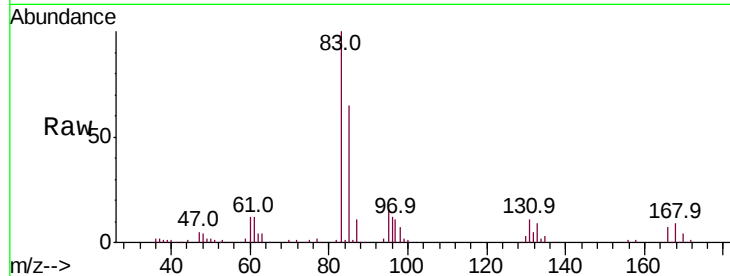
ClientSampleId :

VW0603SBS01

Tot Ion:	83	Resp:	37221
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.6	16.8
85	65.8	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#76

1,2,3-Trichloropropane

Concen: 19.244 ug/l m

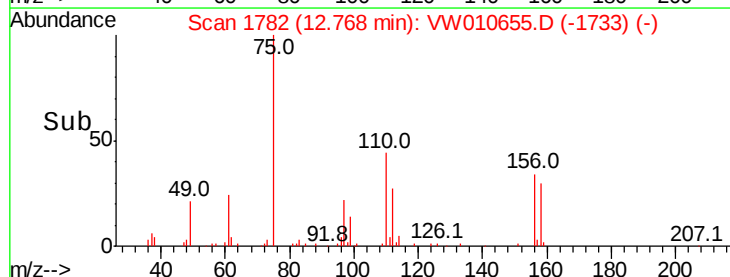
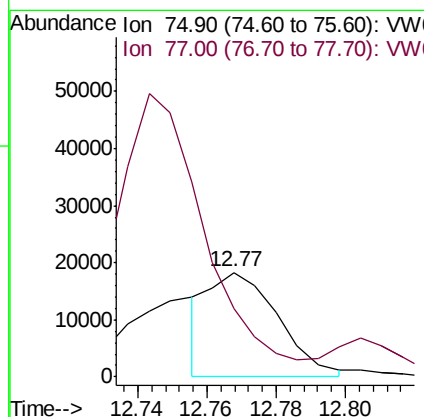
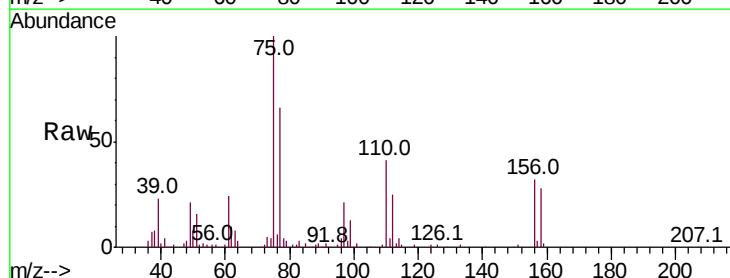
RT: 12.77 min Scan# 1782

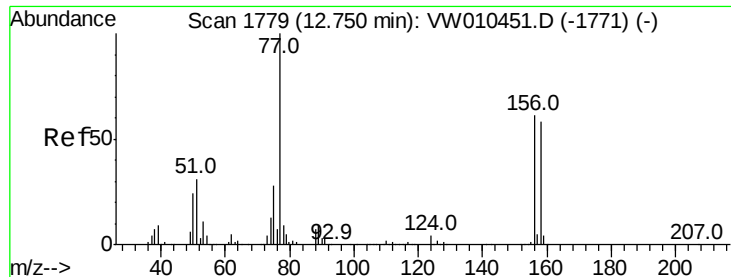
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion:	75	Resp:	25485
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 22.960 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion:156 Resp: 53195

Ion Ratio Lower Upper

156 100

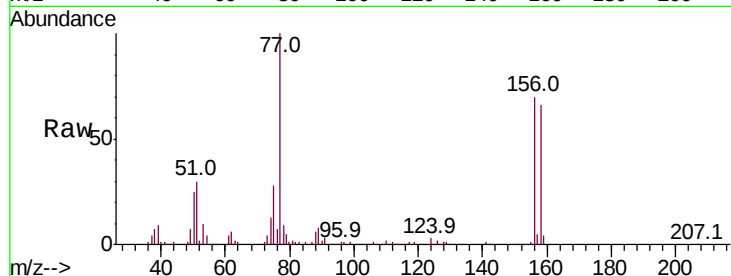
77 168.6 92.4 277.2

158 96.4 48.3 144.8

Manual Integrations
APPROVED

MMDadoda

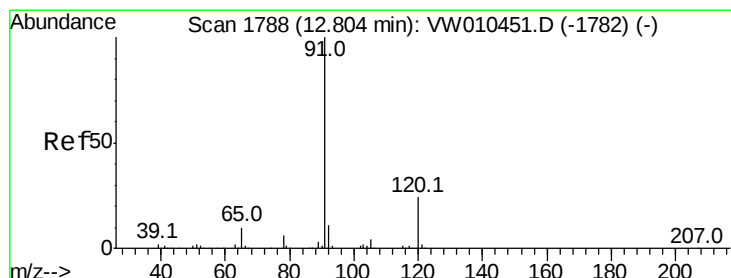
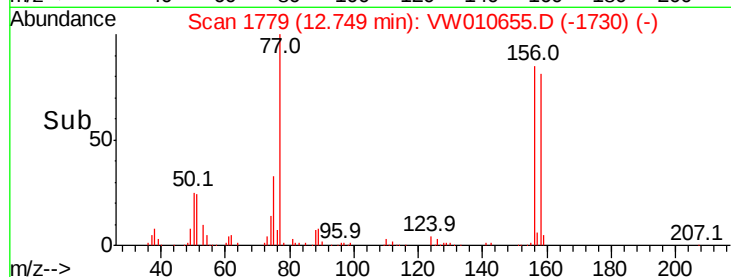
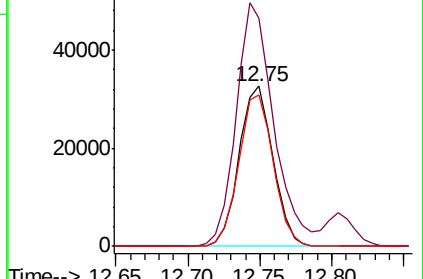
6/4/2019 12:12:51 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.374 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010655.D

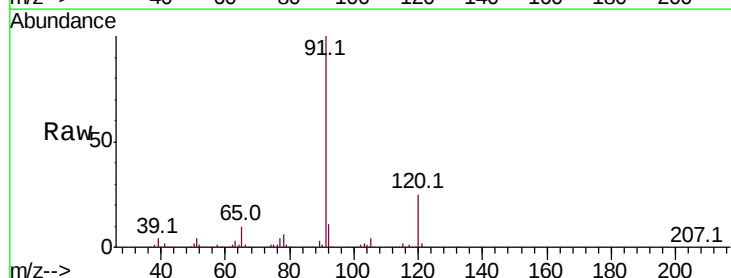
Acq: 03 Jun 2019 13:15

Tgt Ion: 91 Resp: 245816

Ion Ratio Lower Upper

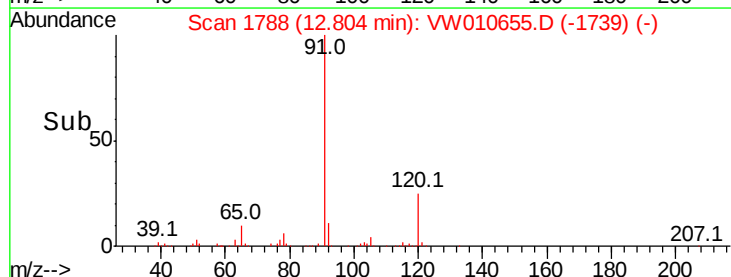
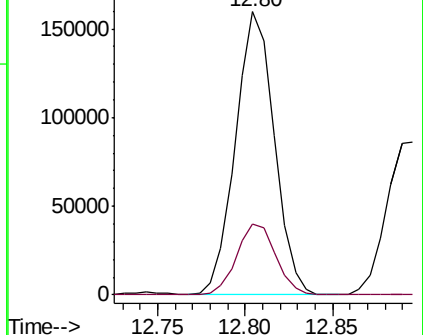
91 100

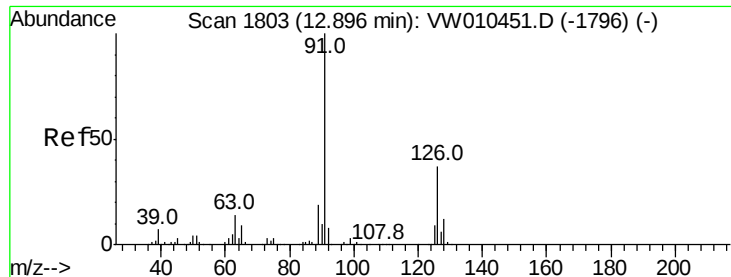
120 25.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.593 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Instrument :

MSVOA_W

ClientSampleId :

VW0603SBS01

Tot Ion: 91 Resp: 144087

Ion Ratio Lower Upper

91 100

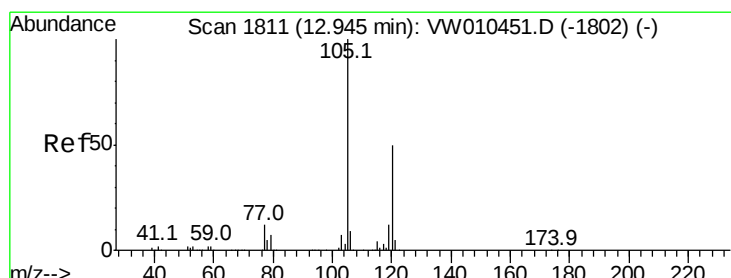
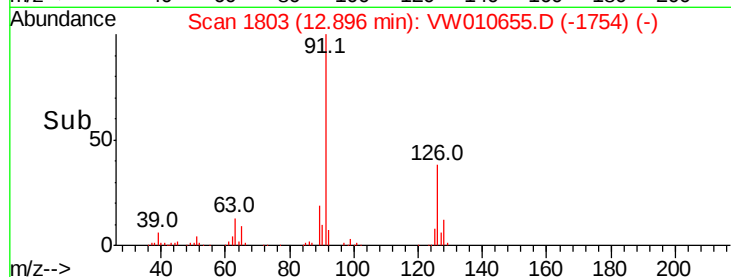
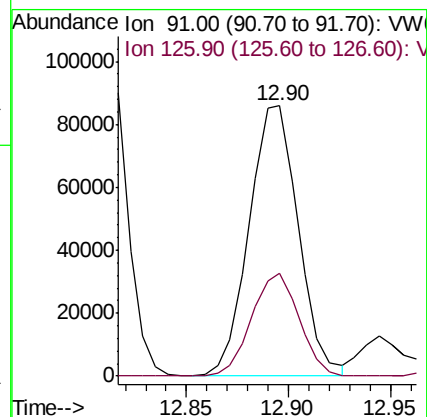
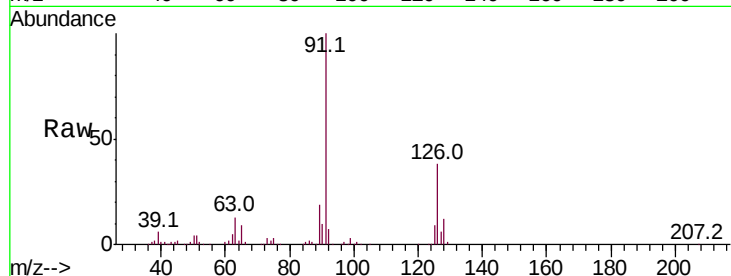
126 36.9 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

6/4/2019 12:12:51 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.442 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010655.D

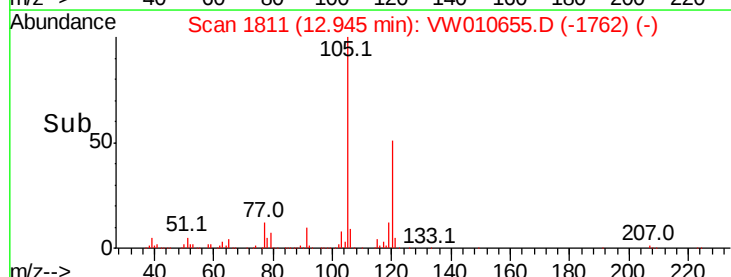
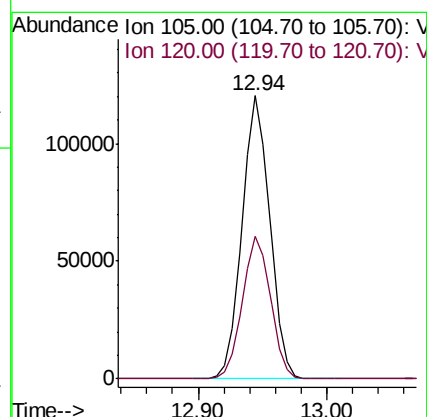
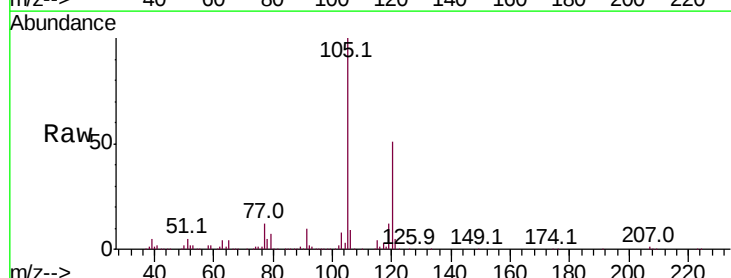
Acq: 03 Jun 2019 13:15

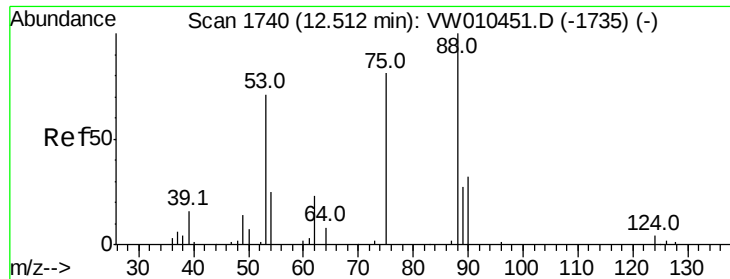
Tgt Ion:105 Resp: 179246

Ion Ratio Lower Upper

105 100

120 51.3 25.2 75.6





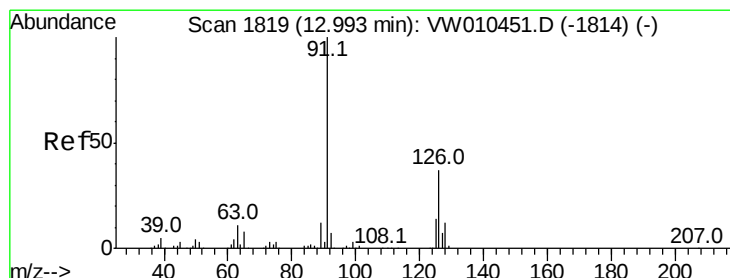
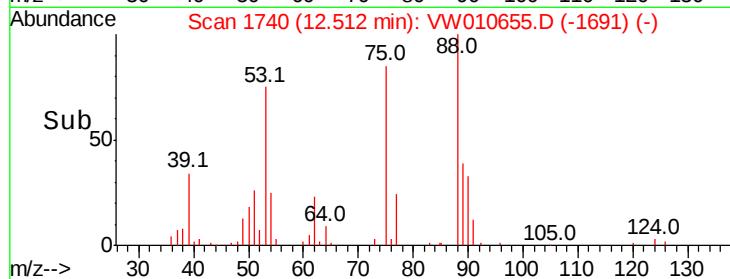
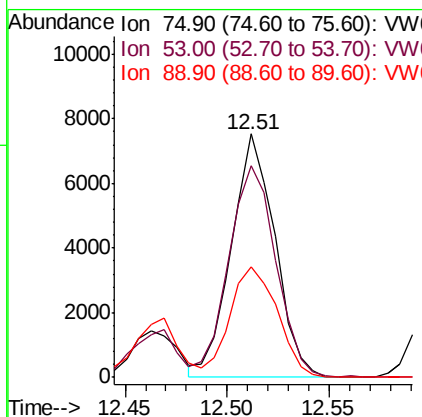
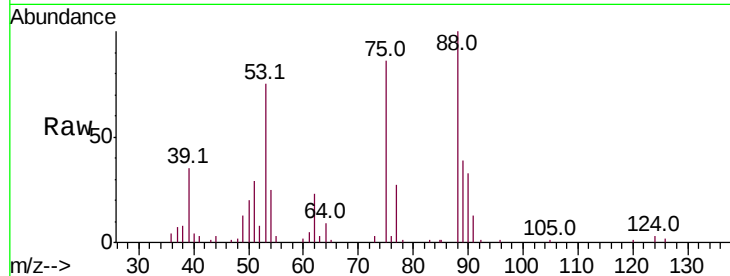
#81
trans-1,4-Dichloro-2-butene
Concen: 17.590 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	69.8	104.8
89	49.1	39.5	59.3

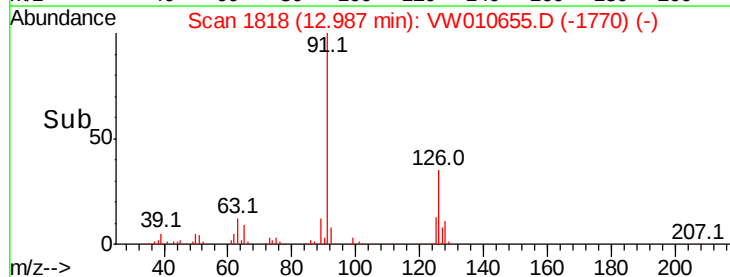
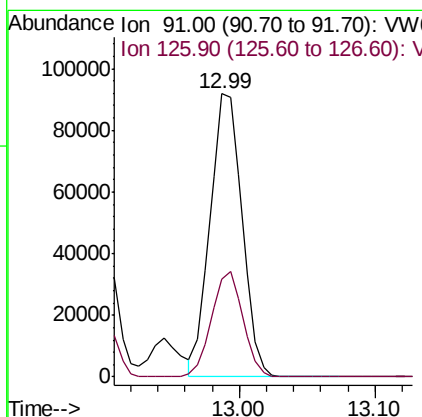
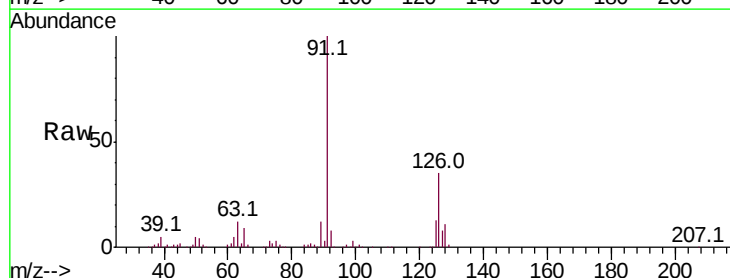
Manual Integrations
APPROVED

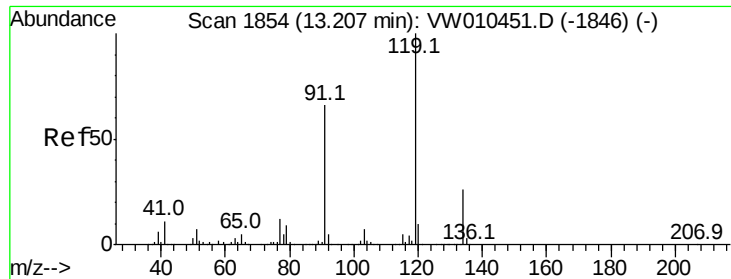
MMDadoda
6/4/2019 12:12:51 PM



#82
4-Chlorotoluene
Concen: 20.610 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.5	52.6





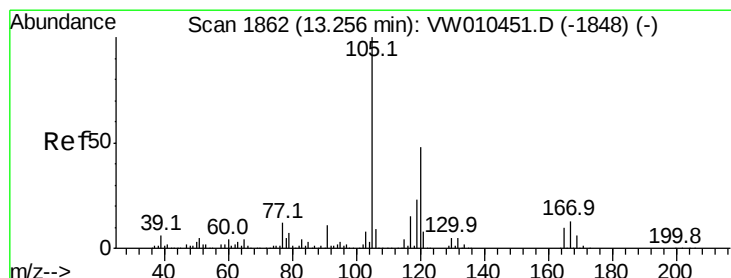
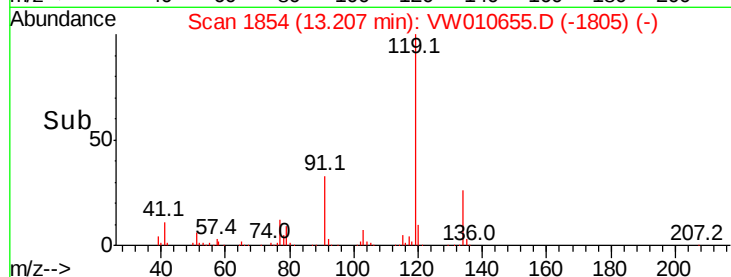
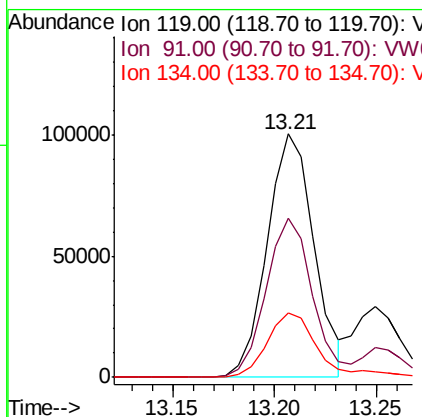
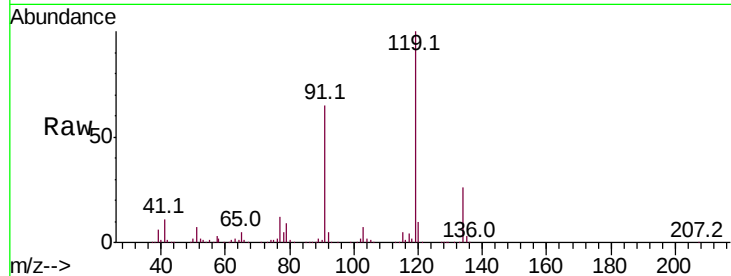
#83
tert-Butylbenzene
Concen: 21.029 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161063		
91	65.0	33.1	99.5	
134	28.7	13.9	41.6	

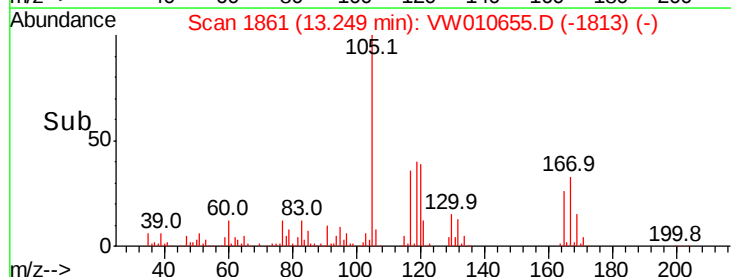
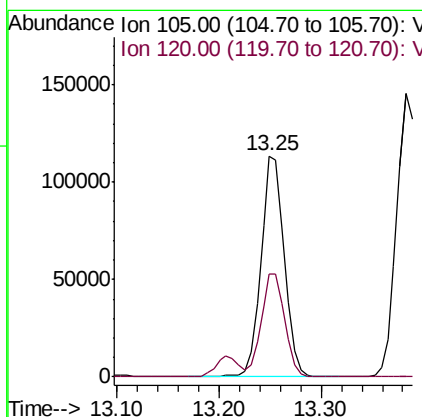
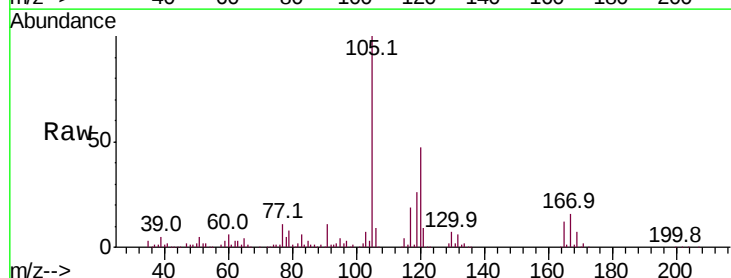
Manual Integrations
APPROVED

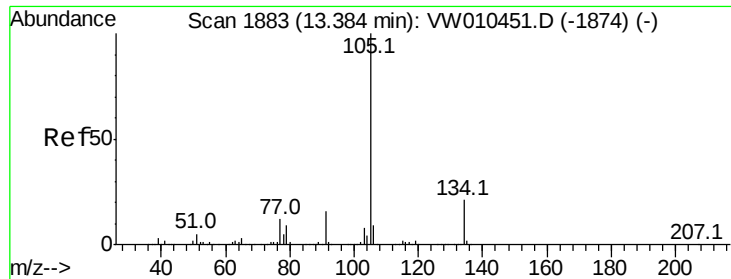
MMDadoda
6/4/2019 12:12:51 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.668 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180491		
120	46.9	23.4	70.2	





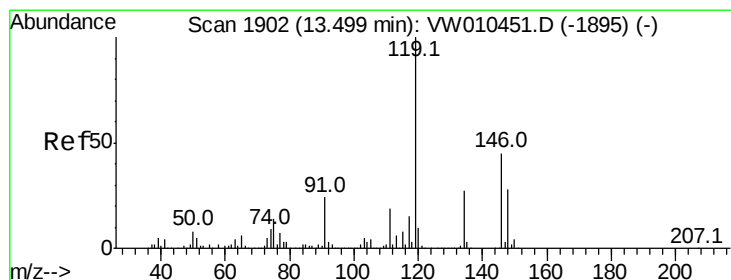
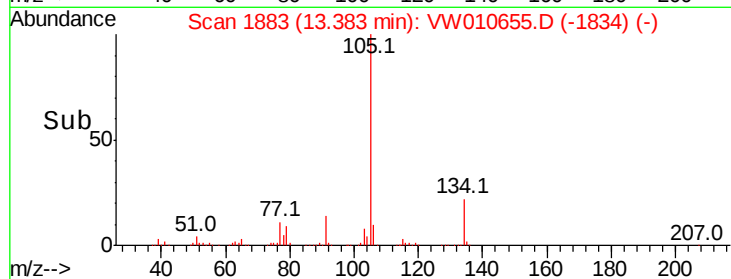
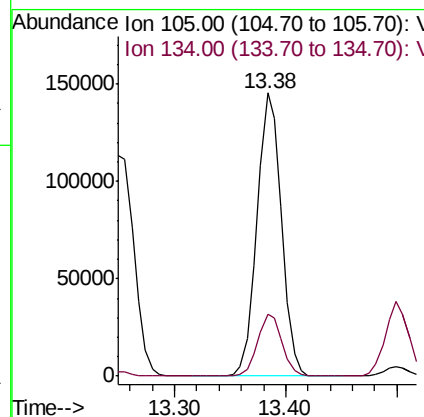
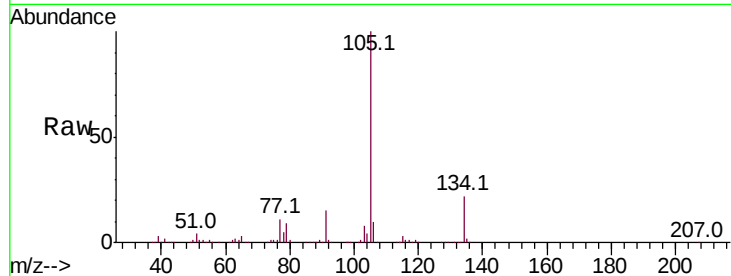
#85
 sec-Butylbenzene
 Concen: 20.728 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0603SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.5	31.6

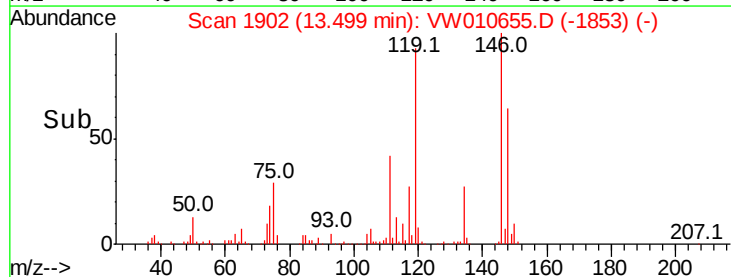
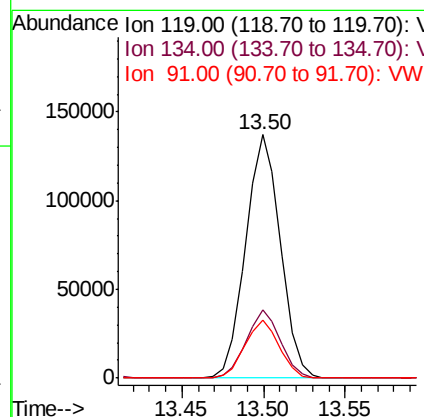
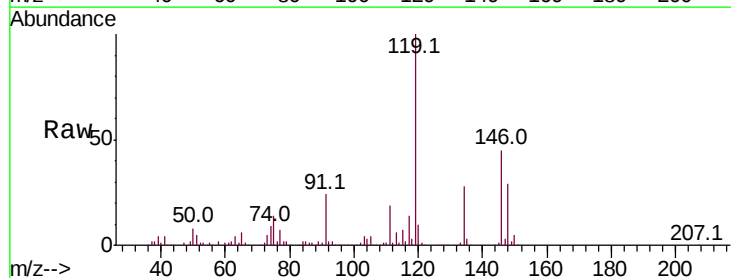
Manual Integrations
 APPROVED

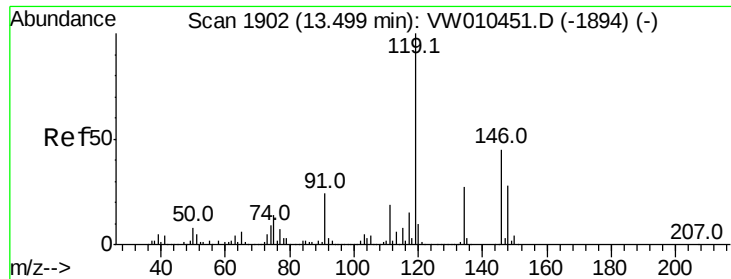
MMDadoda
 6/4/2019 12:12:51 PM



#86
 p-Isopropyltoluene
 Concen: 20.899 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.6	40.7
91	23.5	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 22.319 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

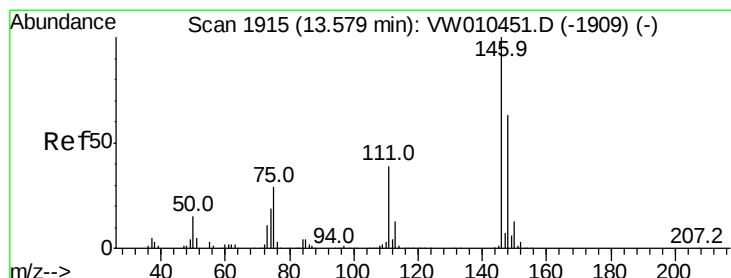
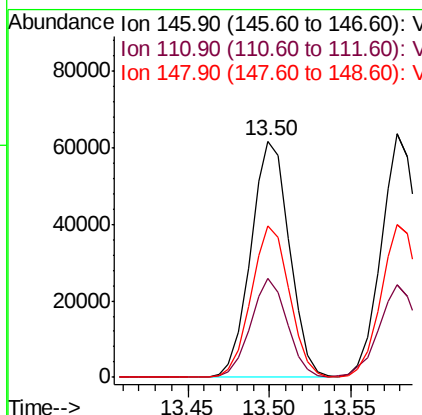
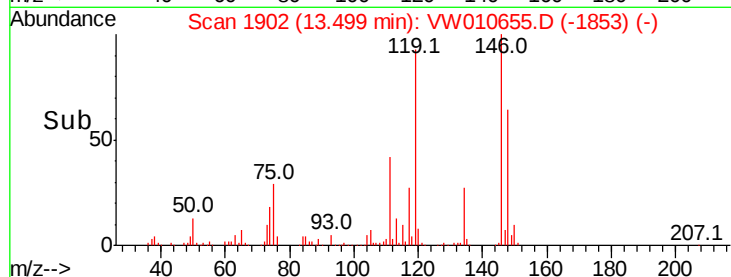
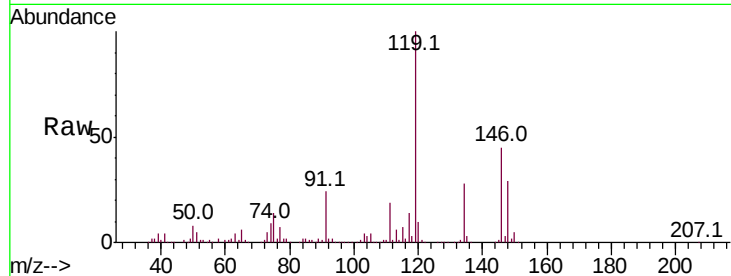
Instrument :
MSVOA_W

ClientSampleId :
VW0603SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101451		
111	39.7	20.3	60.9	
148	63.6	31.6	94.8	

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#88

1,4-Dichlorobenzene

Concen: 22.122 ug/l

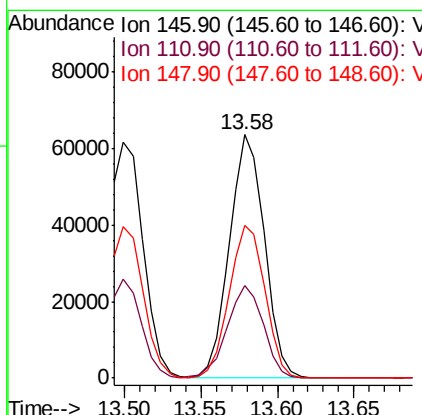
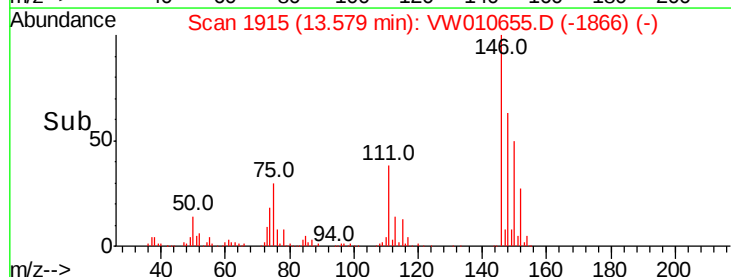
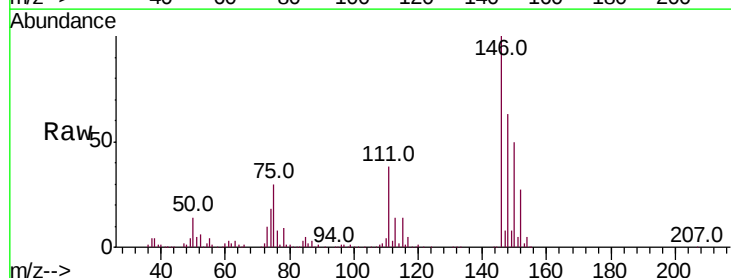
RT: 13.58 min Scan# 1915

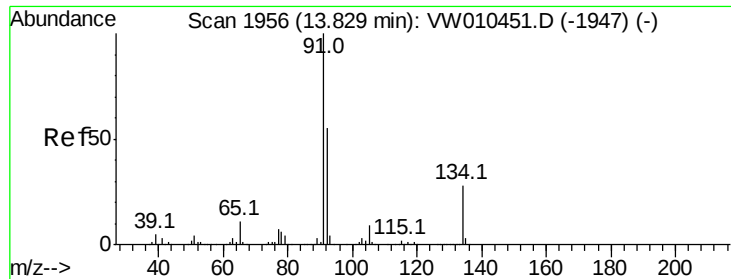
Delta R.T. -0.00 min

Lab File: VW010655.D

Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	100886		
111	39.6	19.9	59.6	
148	64.1	31.6	94.8	





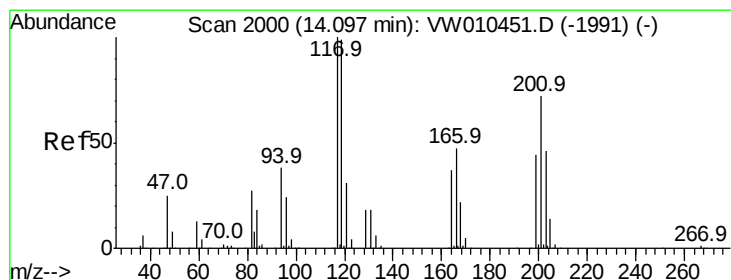
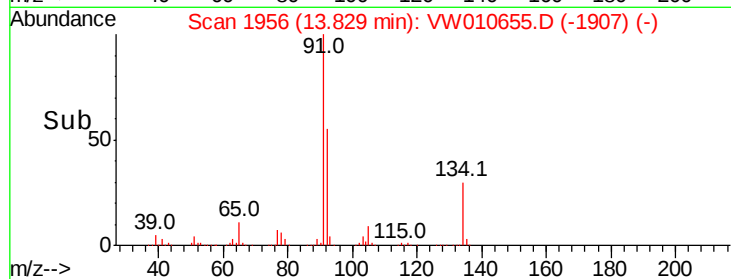
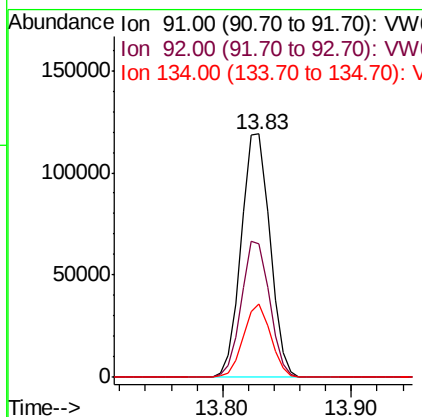
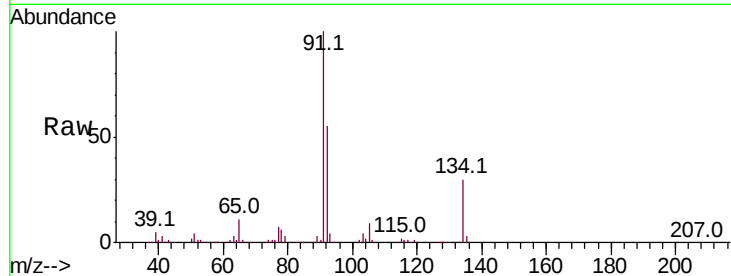
#89
n-Butylbenzene
Concen: 19.940 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.7	83.1	
134	28.4	13.9	41.6	

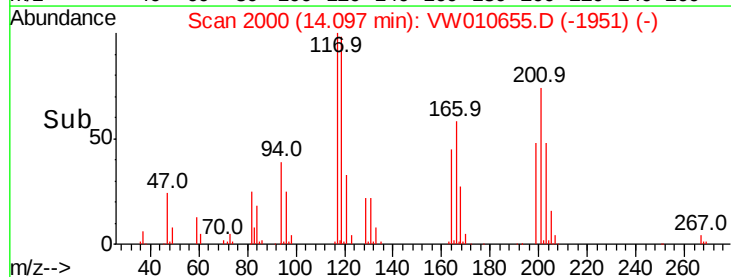
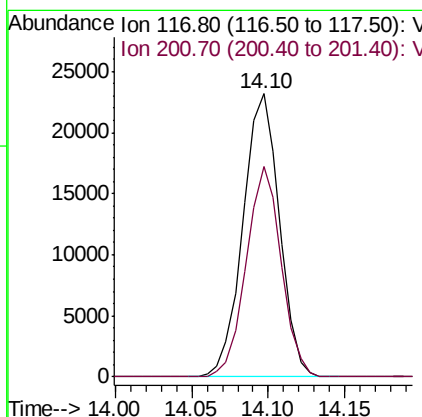
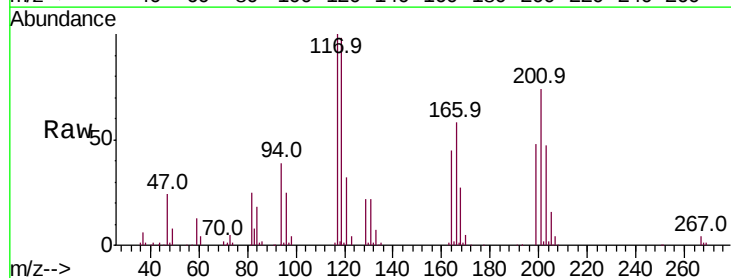
Manual Integrations
APPROVED

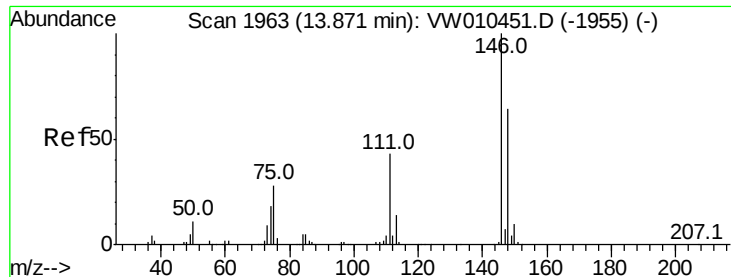
MMDadoda
6/4/2019 12:12:51 PM



#90
Hexachloroethane
Concen: 20.437 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.4	34.6	103.8	





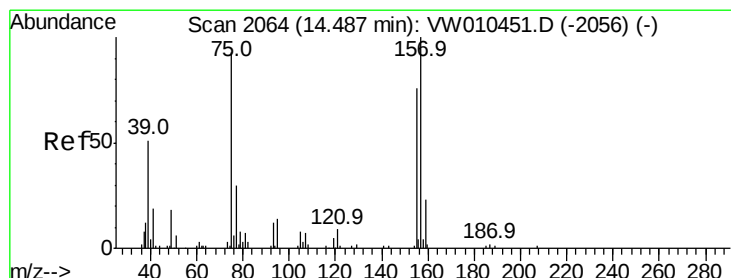
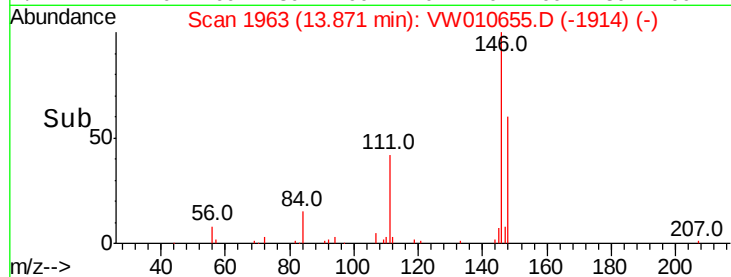
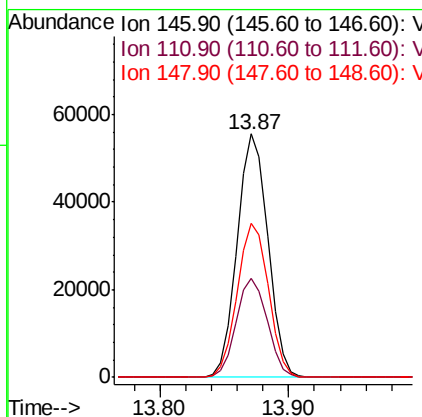
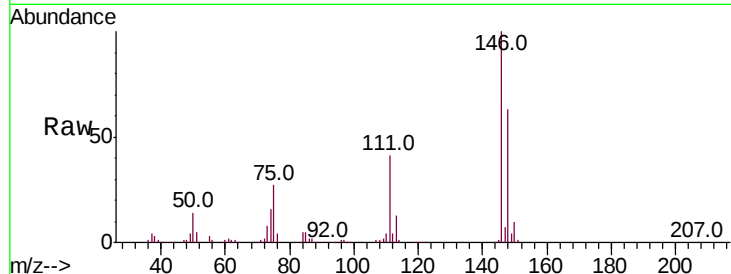
#91
 1,2-Dichlorobenzene
 Concen: 22.126 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Instrument :
 MSVOA_W
 ClientSampled :
 VW0603SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	64.0
148	64.3	32.0	96.0

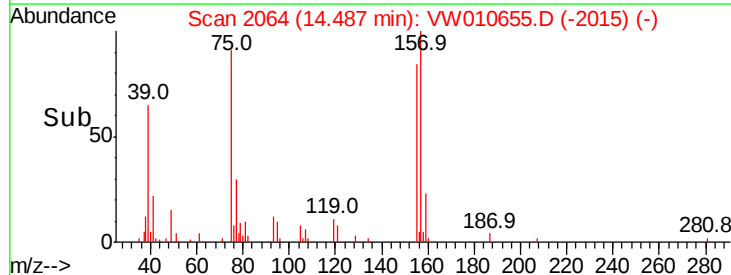
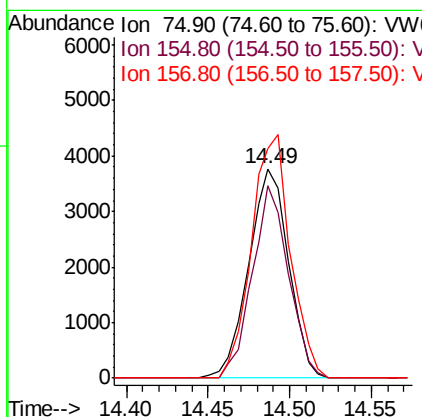
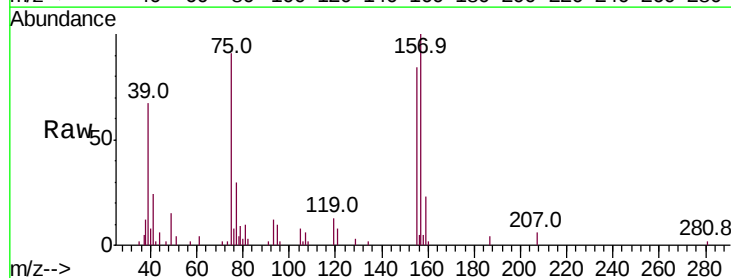
Manual Integrations
 APPROVED

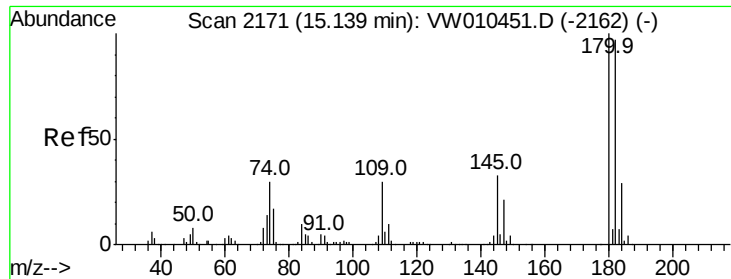
MMDadoda
 6/4/2019 12:12:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.221 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010655.D
 Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	43.0	129.0
157	113.7	55.7	167.1





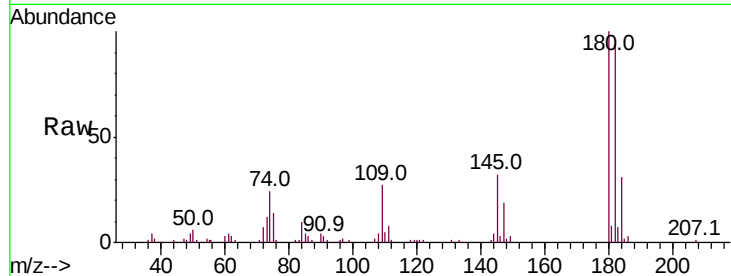
#93
1,2,4-Trichlorobenzene
Concen: 21.456 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.0	141.2
145	33.6	16.7	50.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM

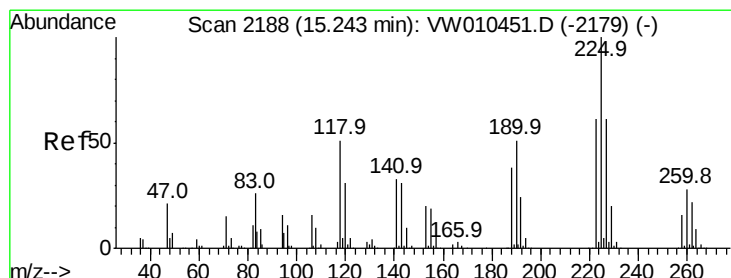
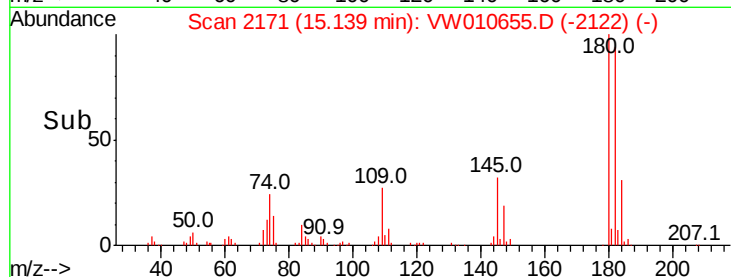
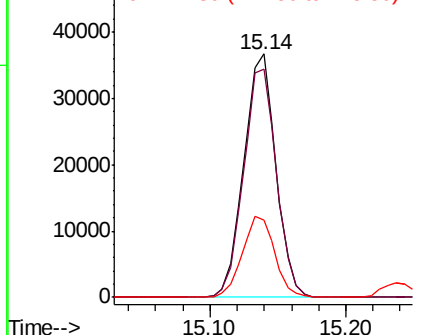


Abundance

Ion 179.80 (179.50 to 180.50): V

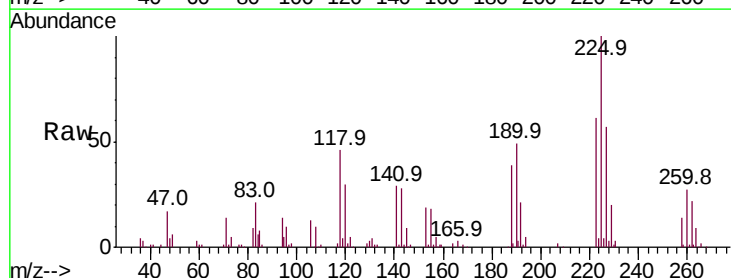
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 23.202 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.2
227	61.7	31.1	93.5

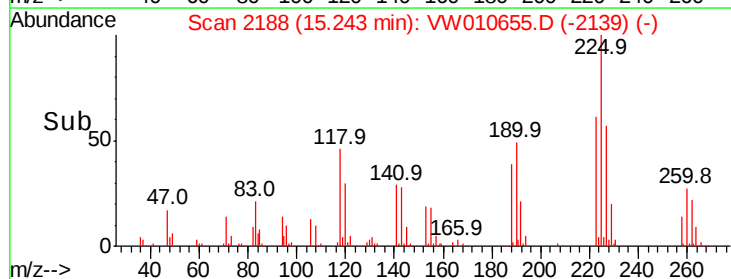
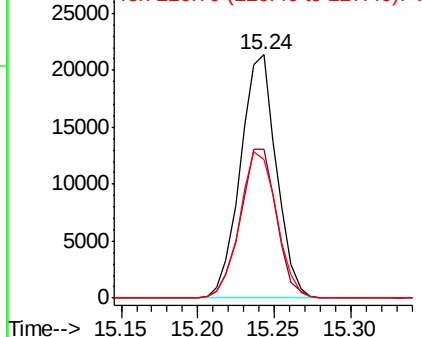


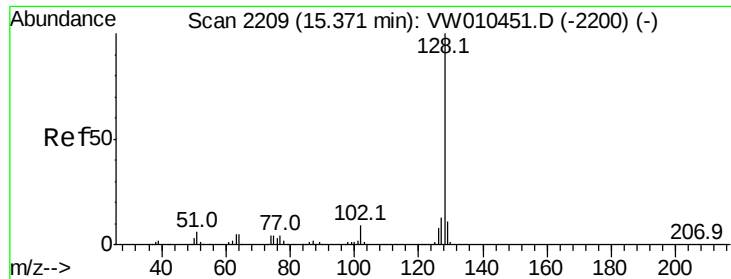
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





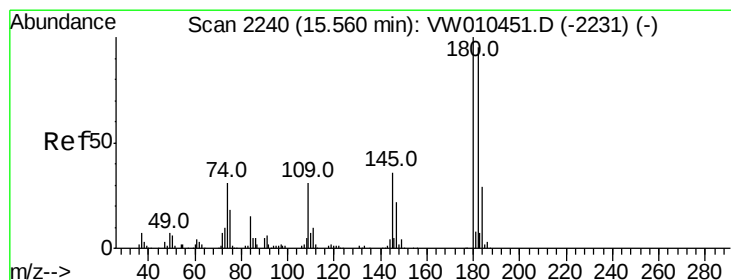
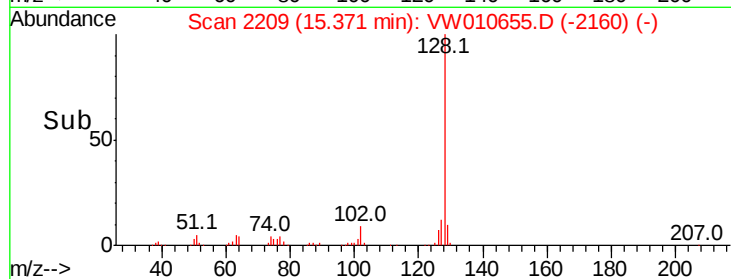
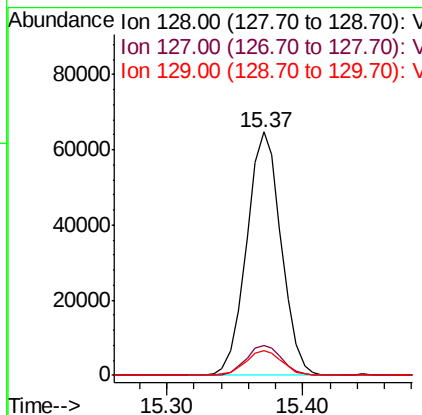
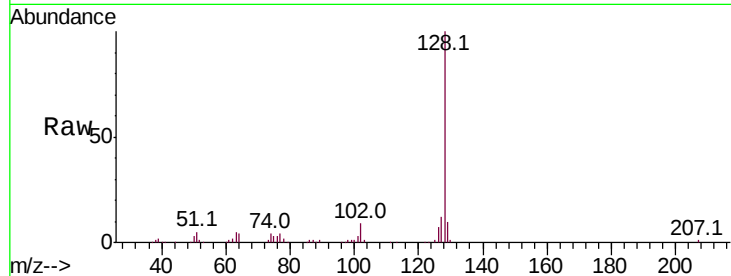
#95
Naphthalene
Concen: 19.449 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Instrument :
MSVOA_W
ClientSampleId :
VW0603SBSD01

Tot Ion:	128	Resp:	115042
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:12:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.970 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010655.D
Acq: 03 Jun 2019 13:15

Tgt Ion:	180	Resp:	53270
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	35.2	17.4	52.3

