

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010543.D
 Acq On : 24 May 2019 10:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:13 PM

Quant Time: May 25 01:37:35 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	156609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105687	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	63665	39.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.78%	
35) Dibromofluoromethane	7.88	113	70150	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
50) Toluene-d8	10.32	98	276883	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.62	95	101941	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	72872	52.243	ug/l	100
3) Chloromethane	2.21	50	79099	48.071	ug/l	98
4) Vinyl Chloride	2.35	62	88075	46.210	ug/l	99
5) Bromomethane	2.76	94	58962	44.968	ug/l	97
6) Chloroethane	2.91	64	59470	48.606	ug/l	98
7) Trichlorofluoromethane	3.25	101	158257	56.241	ug/l	100
8) Diethyl Ether	3.68	74	42929	48.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98008	56.557	ug/l	98
10) Methyl Iodide	4.27	142	108656	54.857	ug/l	97
11) Tert butyl alcohol	5.17	59	27919	192.015	ug/l	98
12) 1,1-Dichloroethene	4.03	96	90924	54.966	ug/l	97
13) Acrolein	3.89	56	22940	272.798	ug/l	99
14) Allyl chloride	4.67	41	123803	51.704	ug/l	99
15) Acrylonitrile	5.37	53	78028	208.875	ug/l	99
16) Acetone	4.12	43	78852	238.976	ug/l	99
17) Carbon Disulfide	4.37	76	260349	52.766	ug/l	99
18) Methyl Acetate	4.67	43	32555	40.342	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	198976	47.183	ug/l	97
20) Methylene Chloride	4.92	84	91220	46.791	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	102743	54.149	ug/l	99
22) Diisopropyl ether	6.31	45	246199	50.145	ug/l	98
23) Vinyl Acetate	6.25	43	693780	236.559	ug/l	100
24) 1,1-Dichloroethane	6.21	63	157840	53.872	ug/l	98
25) 2-Butanone	7.17	43	103039	218.211	ug/l	97
26) 2,2-Dichloropropane	7.17	77	158134	56.661	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	111389	53.998	ug/l	99
28) Bromochloromethane	7.51	49	46653	44.473	ug/l	92
29) Tetrahydrofuran	7.52	42	62542	195.733	ug/l	98
30) Chloroform	7.67	83	169540	53.646	ug/l	99
31) Cyclohexane	7.95	56	155459	50.653	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	168260	55.705	ug/l	98
36) 1,1-Dichloropropene	8.08	75	139406	58.241	ug/l	99
37) Ethyl Acetate	7.25	43	45026	44.235	ug/l	99
38) Carbon Tetrachloride	8.07	117	153343	59.387	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010543.D
 Acq On : 24 May 2019 10:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:13 PM

Quant Time: May 25 01:37:35 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	187157	58.362	ug/l	96
40) Benzene	8.32	78	382609	57.510	ug/l	100
41) Methacrylonitrile	7.48	41	26516	43.843	ug/l	97
42) 1,2-Dichloroethane	8.40	62	99785	52.478	ug/l	100
43) Isopropyl Acetate	8.42	43	90589	44.549	ug/l	97
44) Trichloroethene	9.09	130	118050	59.769	ug/l	97
45) 1,2-Dichloropropane	9.37	63	87253	55.222	ug/l	98
46) Dibromomethane	9.46	93	48890	52.909	ug/l	97
47) Bromodichloromethane	9.65	83	127281	54.813	ug/l	99
48) Methyl methacrylate	9.43	41	43660	46.931	ug/l	95
49) 1,4-Dioxane	9.45	88	12563	832.273	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	221515	214.977	ug/l	98
52) Toluene	10.39	92	256965	57.514	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	123631	52.569	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	148130	55.152	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	70020	52.695	ug/l	98
56) Ethyl methacrylate	10.65	69	86751	47.337	ug/l	97
57) 1,3-Dichloropropane	10.93	76	115888	52.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	164551	202.719	ug/l	97
59) 2-Hexanone	10.97	43	162726	221.383	ug/l	98
60) Dibromochloromethane	11.13	129	91182	54.220	ug/l	100
61) 1,2-Dibromoethane	11.24	107	68549	50.926	ug/l	98
64) Tetrachloroethene	10.86	164	95615	61.648	ug/l	97
65) Chlorobenzene	11.66	112	279205	58.882	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	98796	58.162	ug/l	99
67) Ethyl Benzene	11.73	91	487889	58.277	ug/l	99
68) m/p-Xylenes	11.84	106	382829	116.585	ug/l	99
69) o-Xylene	12.16	106	180669	58.072	ug/l	98
70) Styrene	12.18	104	303907	57.572	ug/l	99
71) Bromoform	12.35	173	47989	51.303	ug/l #	99
73) Isopropylbenzene	12.46	105	497238	59.290	ug/l	100
74) N-amyl acetate	12.27	43	83718	43.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	73384	48.108	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50919m	47.464	ug/l	
77) Bromobenzene	12.75	156	111420	59.368	ug/l	95
78) n-propylbenzene	12.80	91	570745	58.397	ug/l	99
79) 2-Chlorotoluene	12.90	91	325089	57.356	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	409041	57.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	24237	47.151	ug/l	98
82) 4-Chlorotoluene	12.99	91	334192	56.806	ug/l	98
83) tert-Butylbenzene	13.21	119	360479	58.100	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	400476	56.610	ug/l	99
85) sec-Butylbenzene	13.38	105	504390	58.091	ug/l	99
86) p-Isopropyltoluene	13.50	119	452600	57.590	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	212844	57.805	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	214022	57.933	ug/l	99
89) n-Butylbenzene	13.83	91	427528	57.192	ug/l	99
90) Hexachloroethane	14.10	117	90112	59.238	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	188344	56.139	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12017	42.367	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
Data File : VW010543.D
Acq On : 24 May 2019 10:49
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

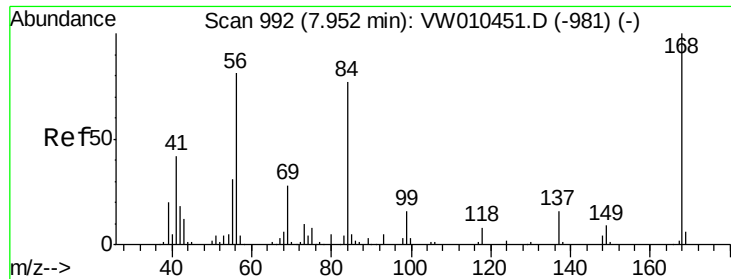
Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM

Quant Time: May 25 01:37:35 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	127705	55.945	ug/l	99
94) Hexachlorobutadiene	15.24	225	73919	60.616	ug/l	100
95) Naphthalene	15.37	128	229676	47.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107401	54.680	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 156609

Ion Ratio Lower Upper

168 100

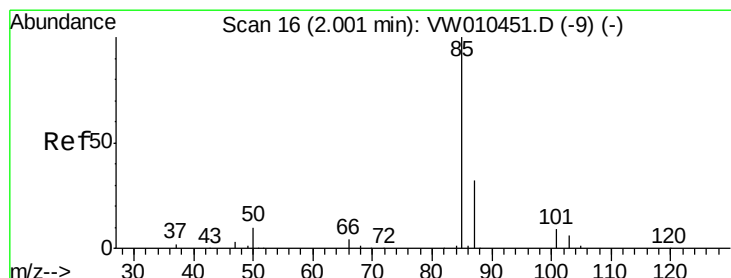
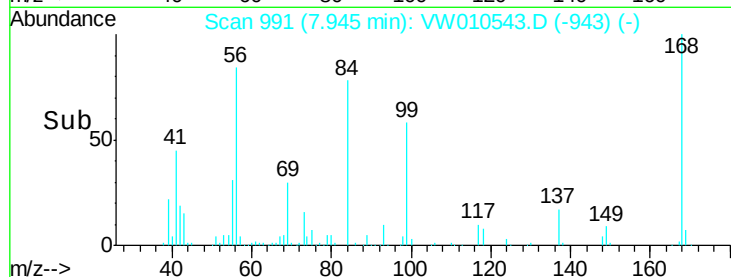
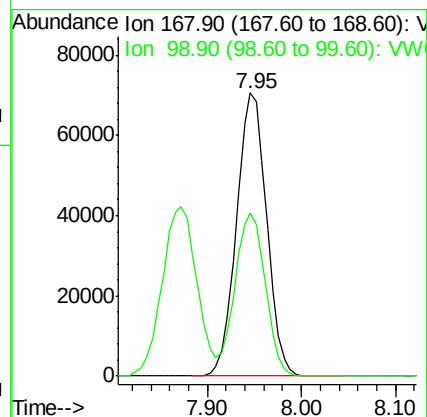
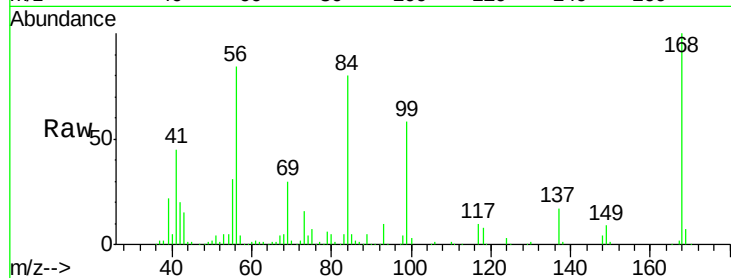
99 57.7 46.1 69.1

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#2

Dichlorodifluoromethane

Concen: 52.243 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010543.D

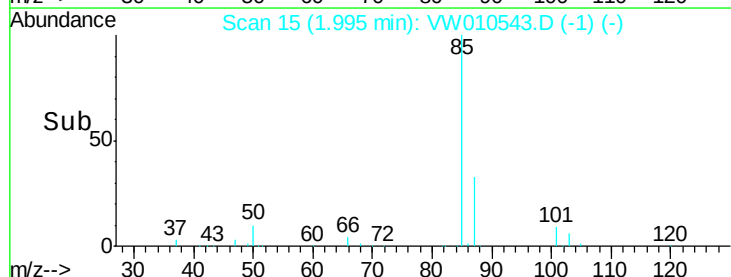
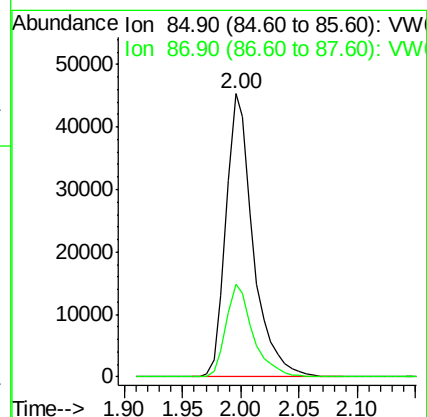
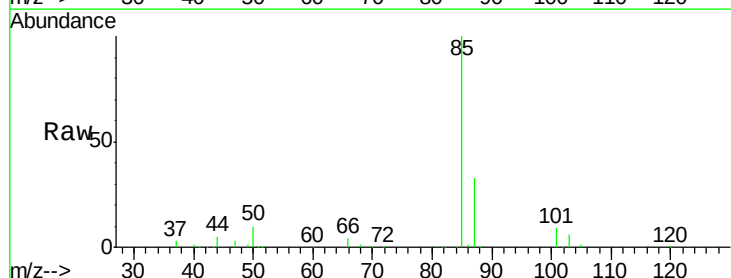
Acq: 24 May 2019 10:49

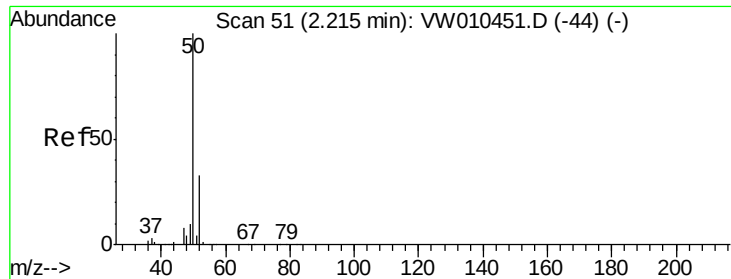
Tgt Ion: 85 Resp: 72872

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8





#3

Chloromethane

Concen: 48.071 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 79099

Ion Ratio Lower Upper

50 100

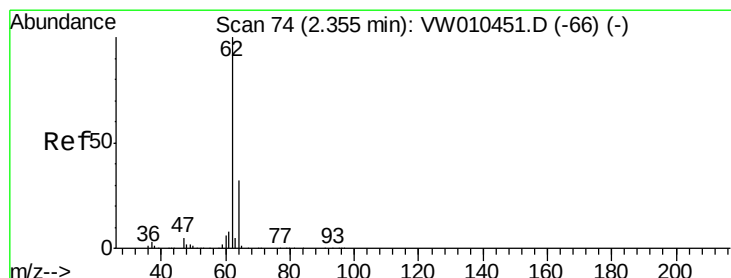
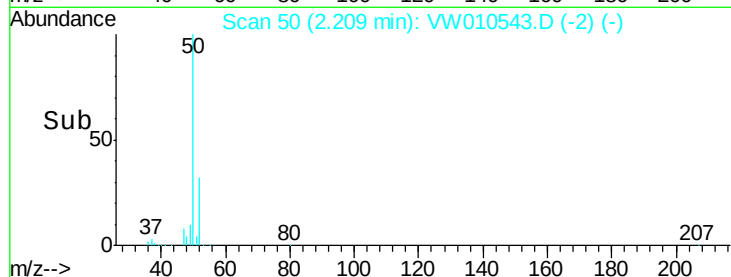
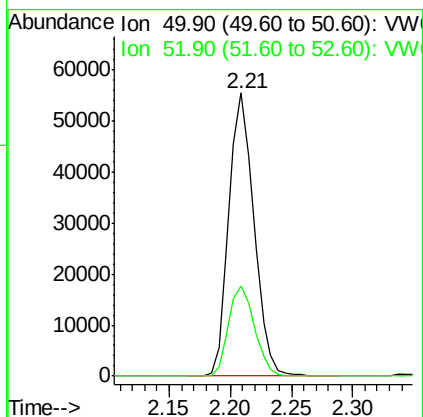
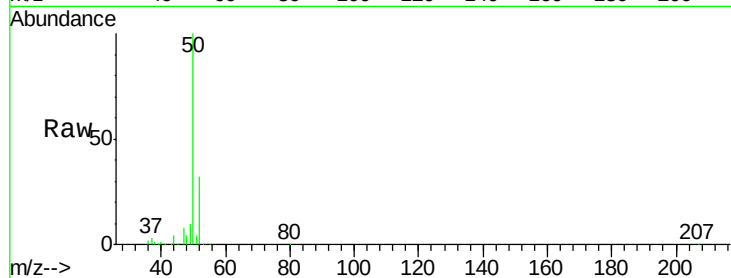
52 31.9 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#4

Vinyl Chloride

Concen: 46.210 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010543.D

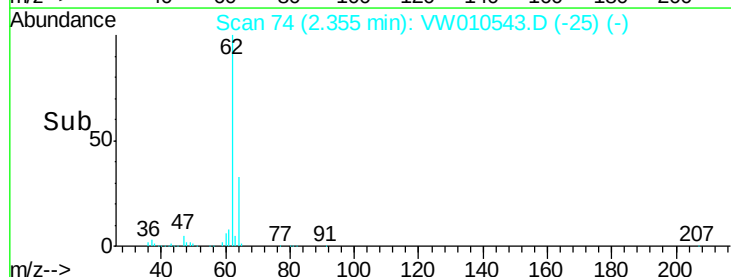
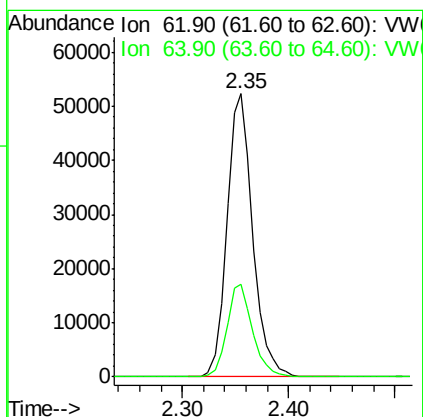
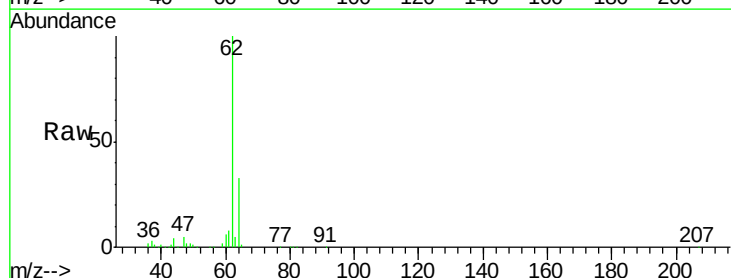
Acq: 24 May 2019 10:49

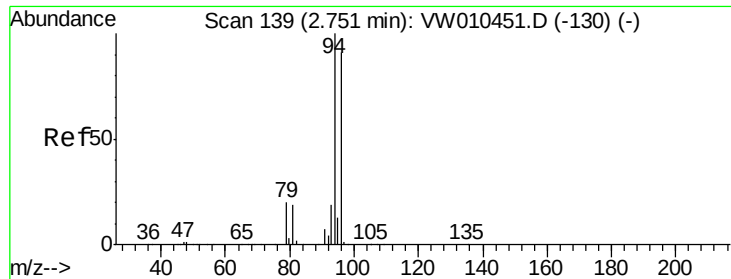
Tgt Ion: 62 Resp: 88075

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 44.968 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58962

Ion Ratio Lower Upper

94 100

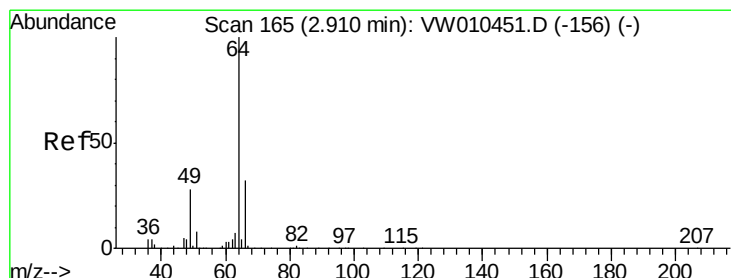
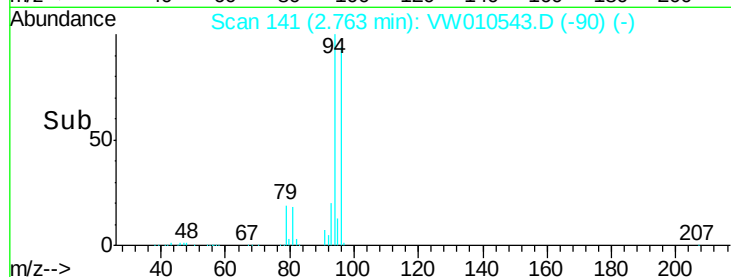
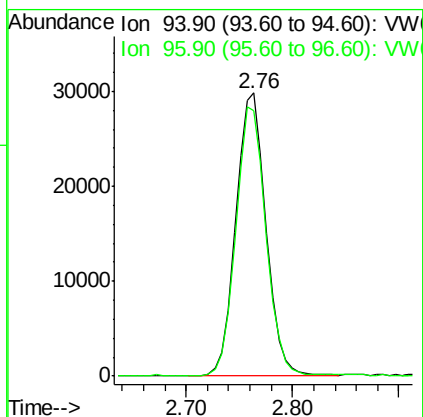
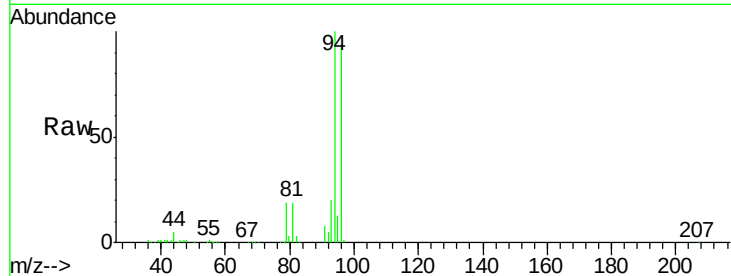
96 93.5 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#6

Chloroethane

Concen: 48.606 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010543.D

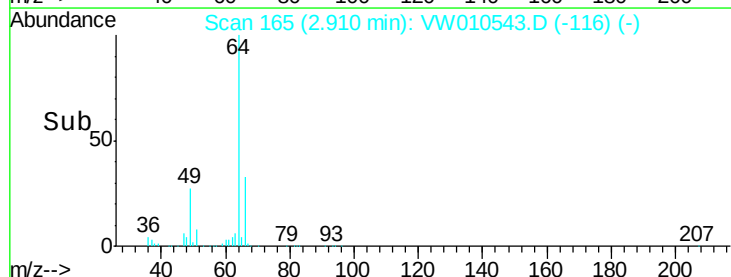
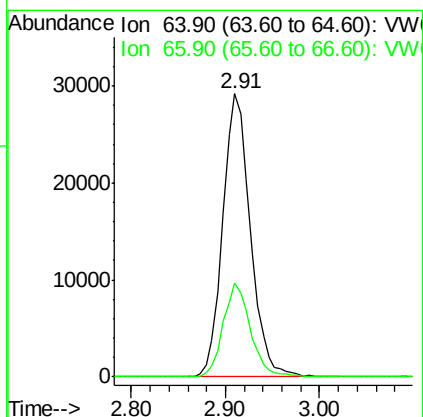
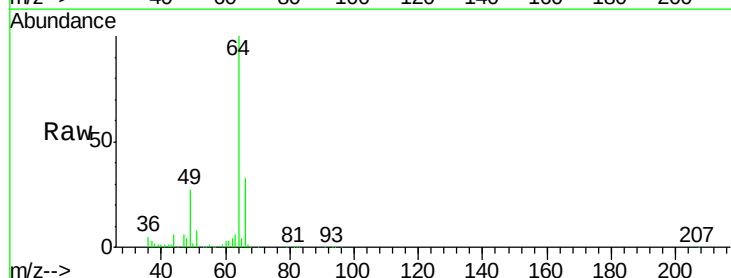
Acq: 24 May 2019 10:49

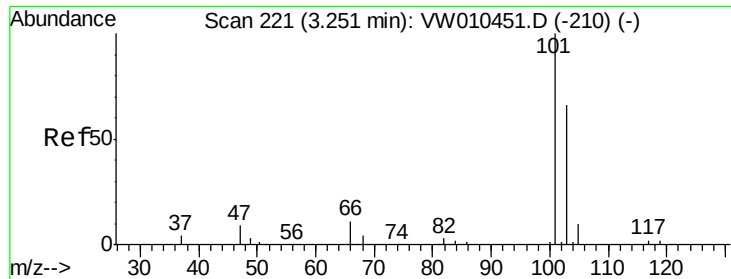
Tgt Ion: 64 Resp: 59470

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3





#7

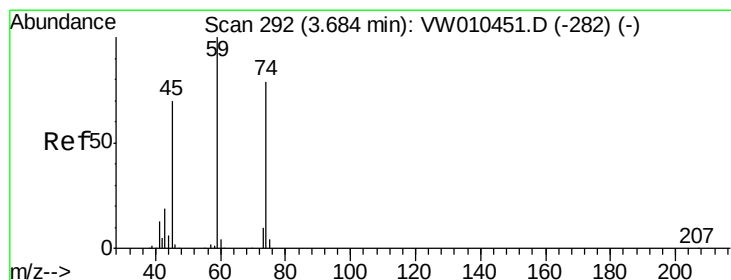
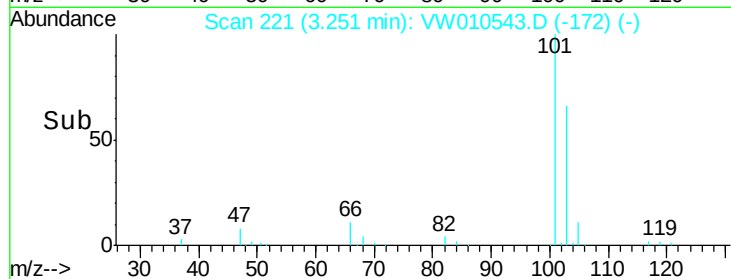
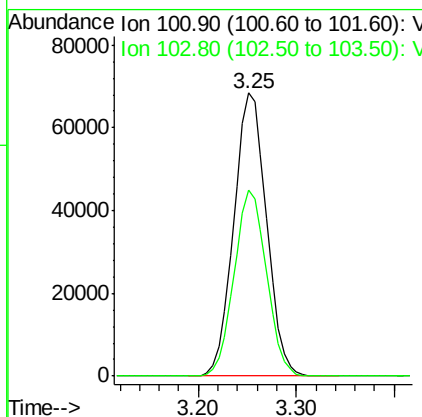
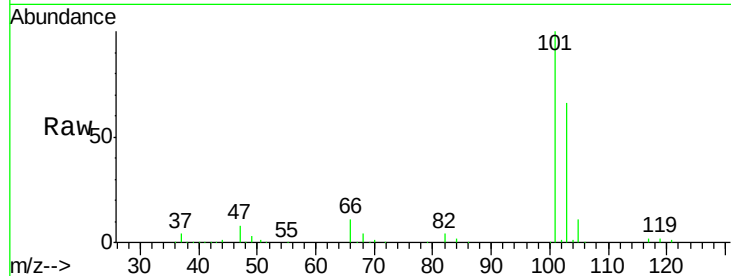
Trichlorofluoromethane
Concen: 56.241 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	158257		
103	65.8	53.0	79.4	

Manual Integrations
APPROVED

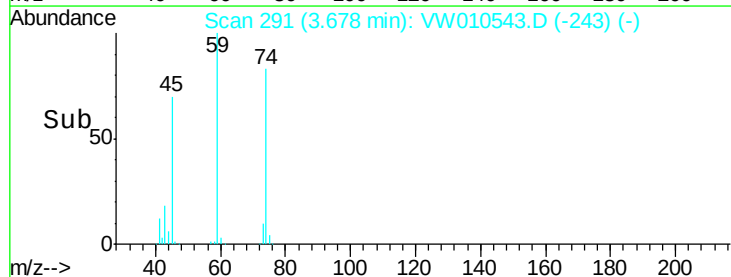
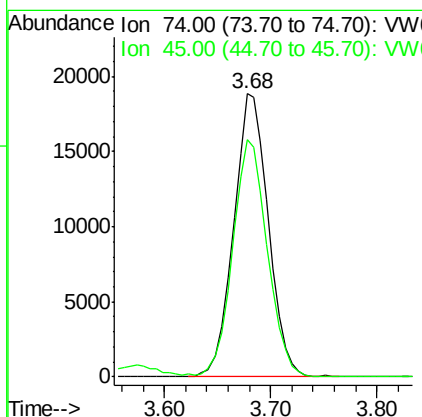
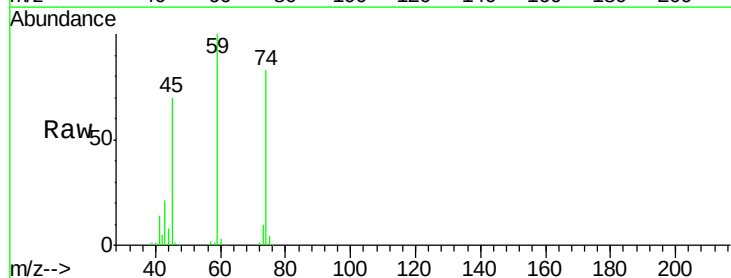
MMDadoda
5/28/2019 12:01:13 PM

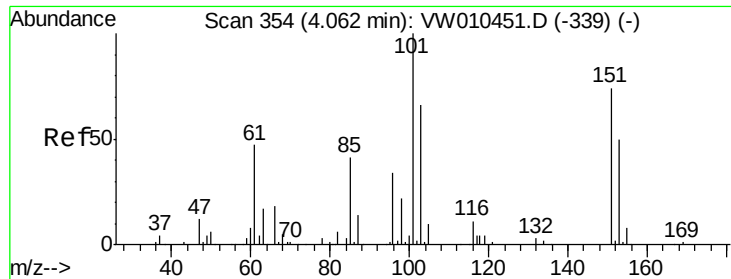


#8

Diethyl Ether
Concen: 48.127 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42929		
45	83.9	42.9	128.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.557 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

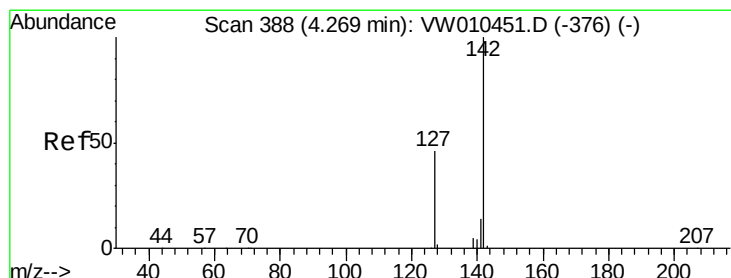
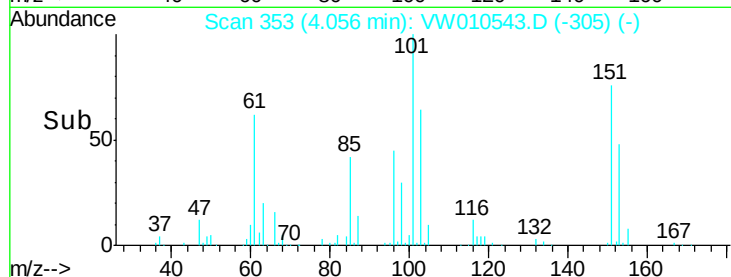
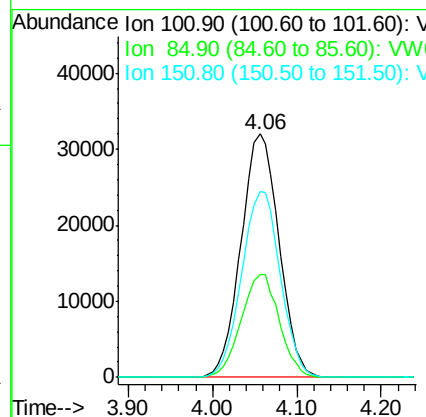
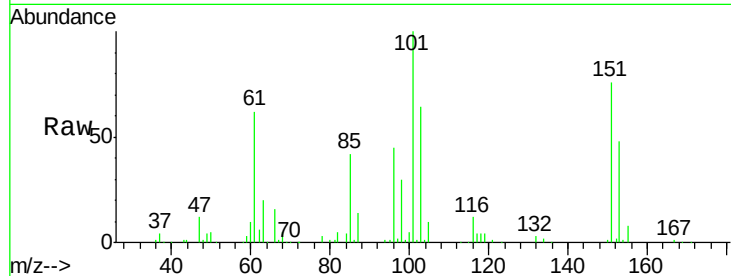
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	98008
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.3	51.5
151	77.5	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#10

Methyl Iodide

Concen: 54.857 ug/l

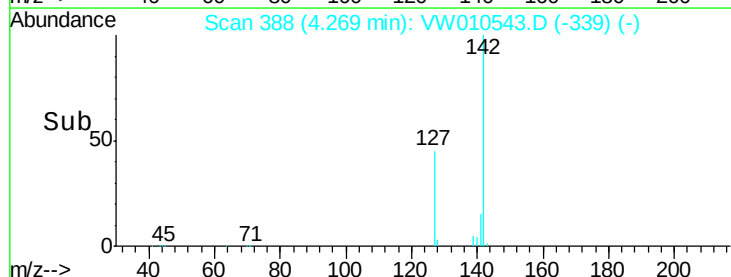
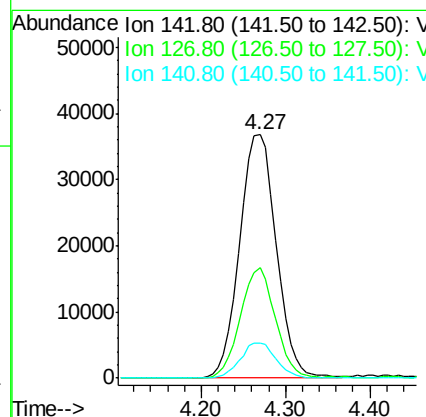
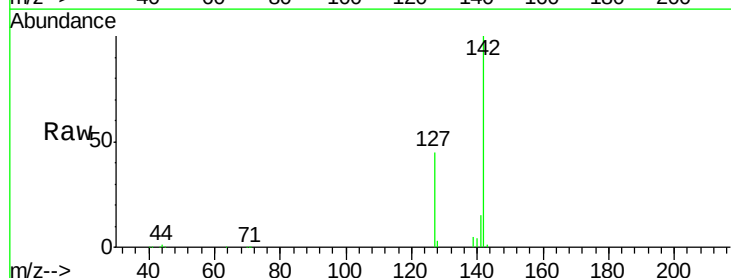
RT: 4.27 min Scan# 388

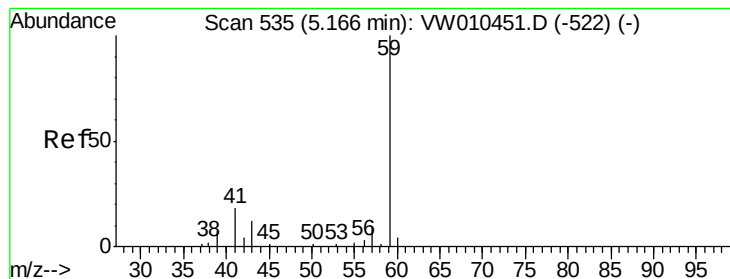
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	142	Resp:	108656
Ion Ratio	Lower	Upper	
142	100		
127	42.9	36.1	54.1
141	14.1	11.3	16.9





#11

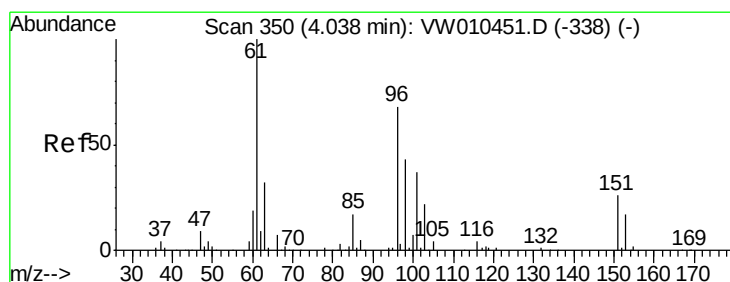
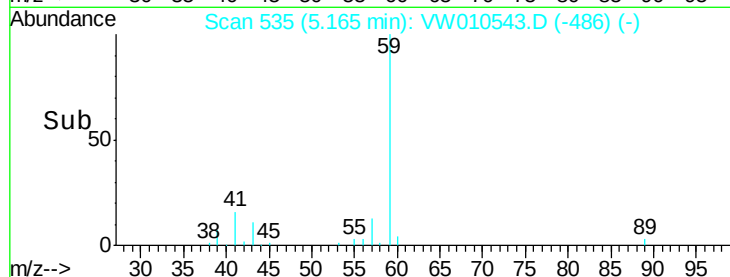
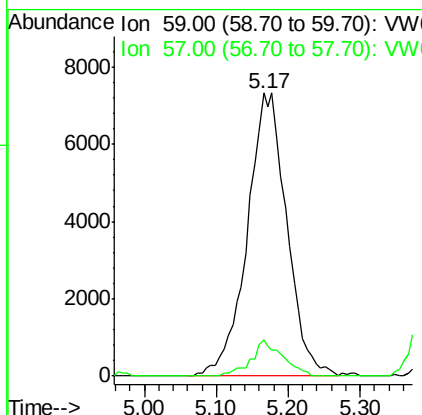
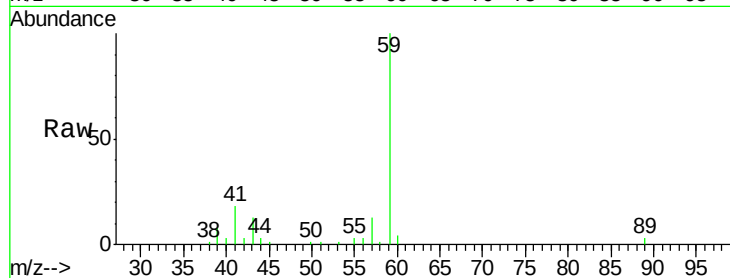
Tert butyl alcohol
Concen: 192.015 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	27919		
57	10.2		8.8	13.2

Manual Integrations
APPROVED

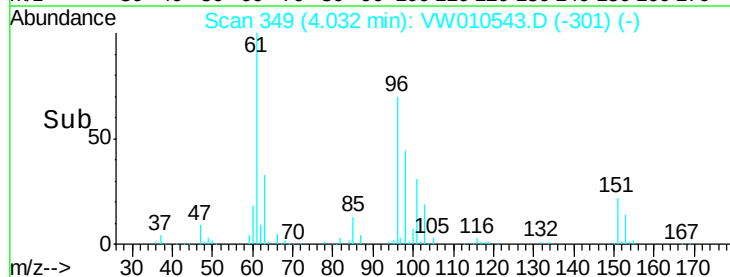
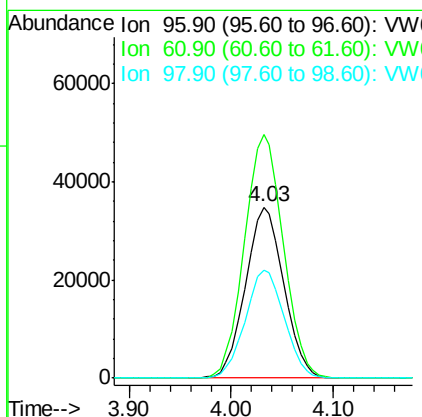
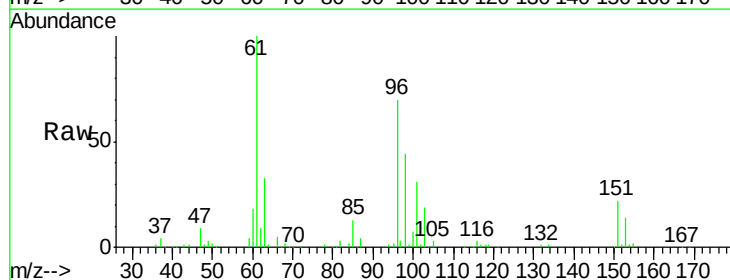
MMDadoda
5/28/2019 12:01:13 PM

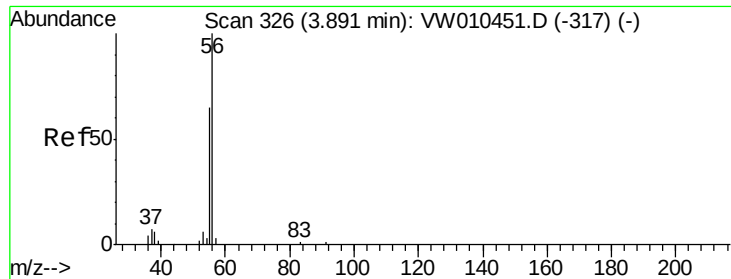


#12

1,1-Dichloroethene
Concen: 54.966 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	90924		
61	142.6		118.3	177.5
98	63.1		51.0	76.6





#13

Acrolein

Concen: 272.798 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 22940

Ion Ratio Lower Upper

56 100

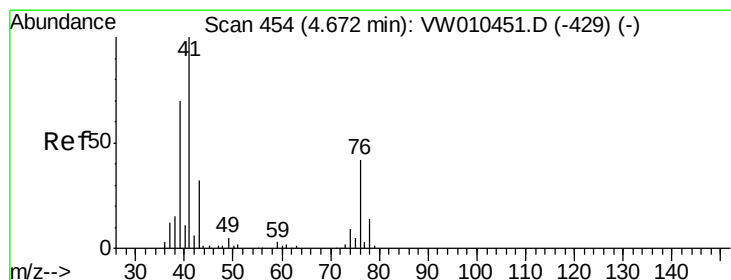
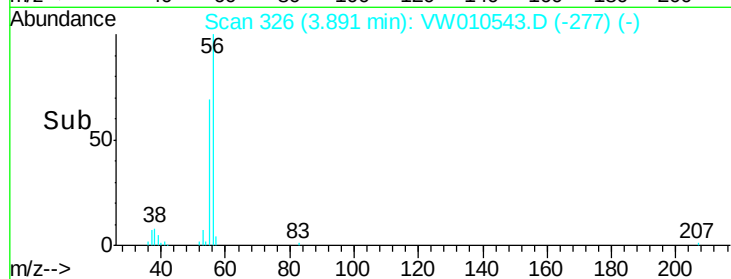
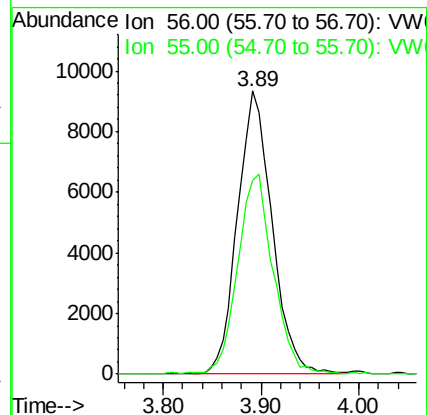
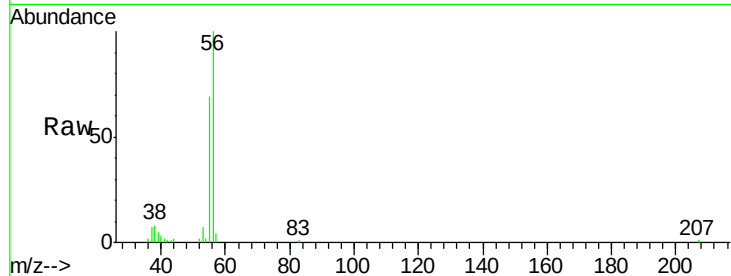
55 72.9 57.9 86.9

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#14

Allyl chloride

Concen: 51.704 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

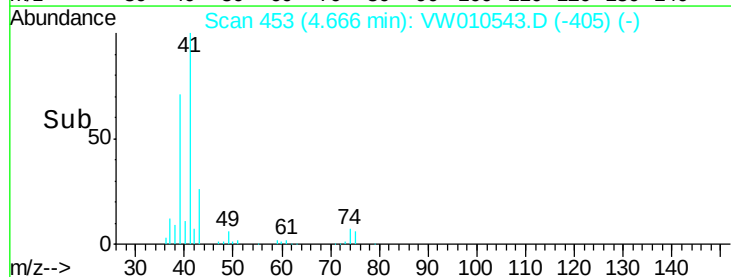
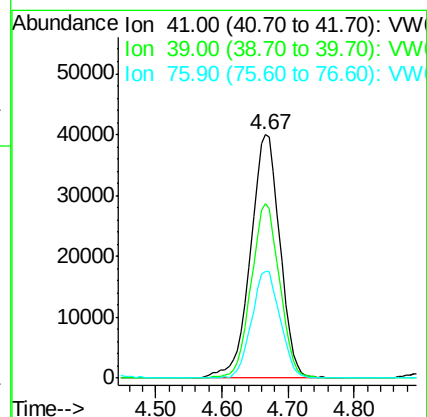
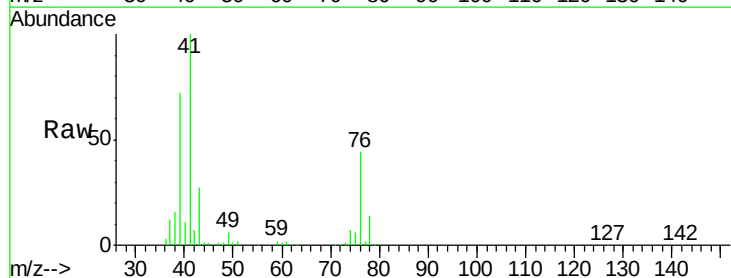
Tgt Ion: 41 Resp: 123803

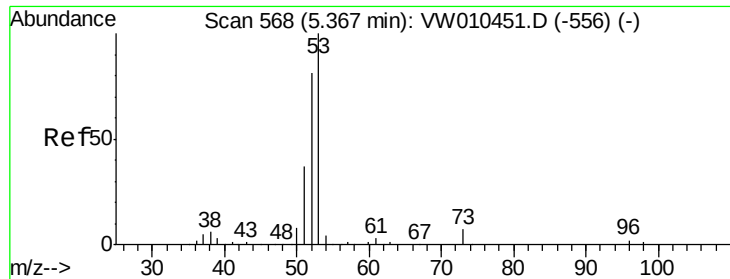
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.4

76 42.6 32.8 49.2





#15

Acrylonitrile

Concen: 208.875 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

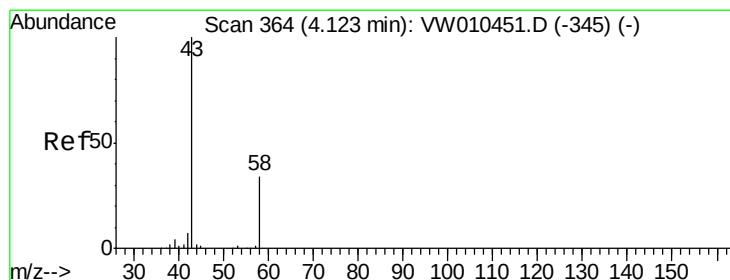
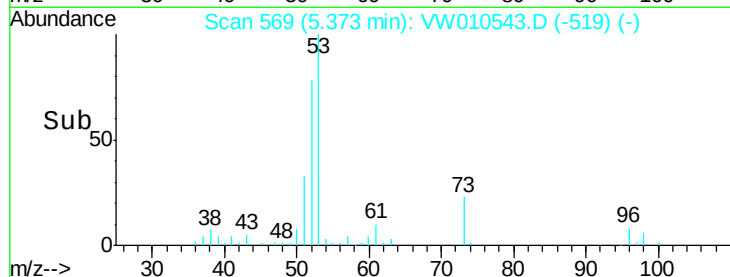
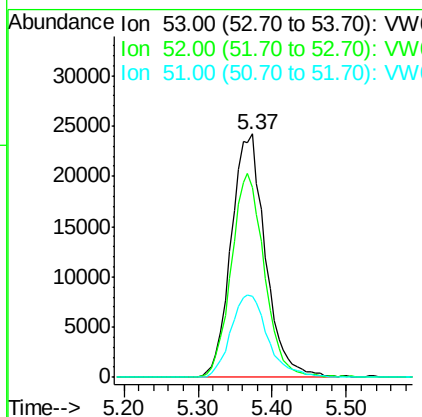
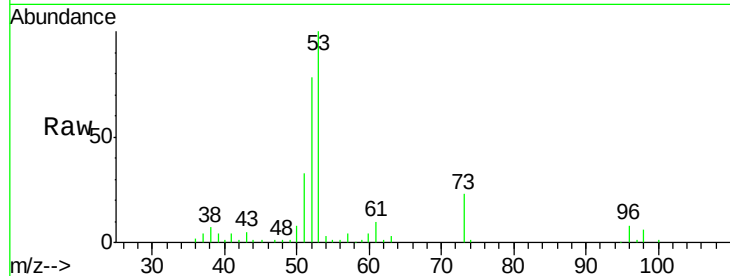
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	78028
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.6	98.4
51	36.4	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#16

Acetone

Concen: 238.976 ug/l

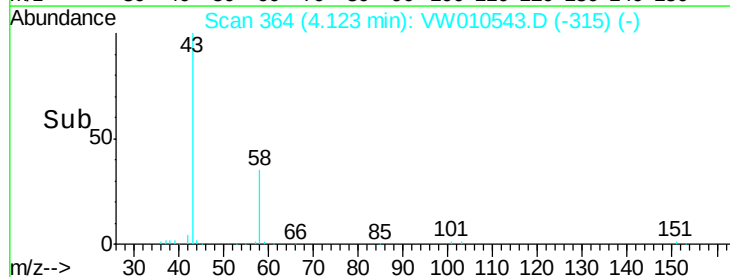
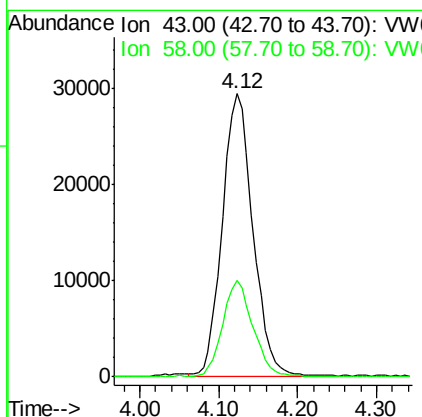
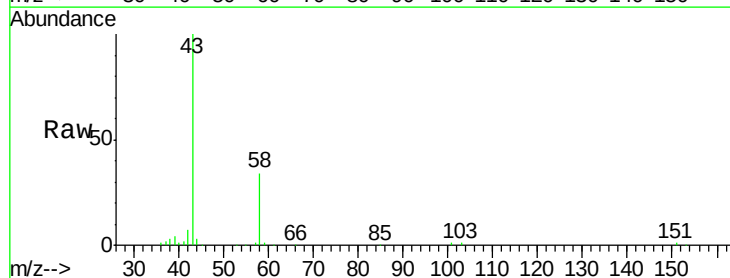
RT: 4.12 min Scan# 364

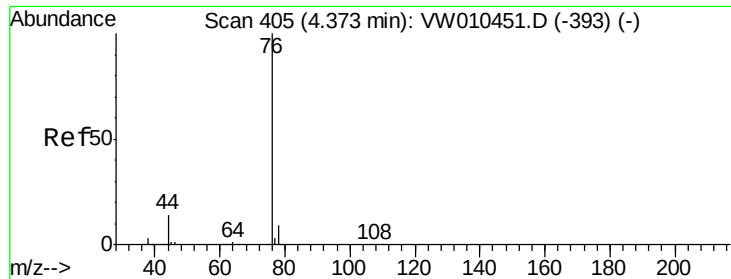
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	43	Resp:	78852
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.0	40.4





#17

Carbon Disulfide

Concen: 52.766 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 260349

Ion Ratio Lower Upper

76 100

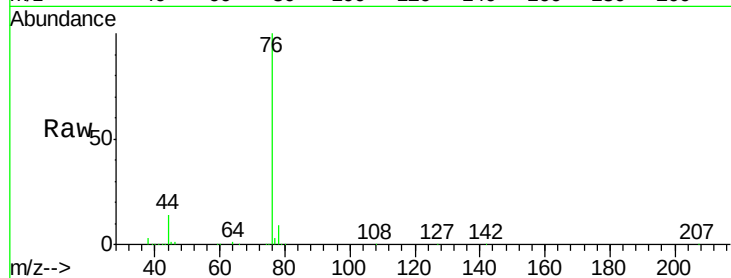
78 9.3 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

100000

80000

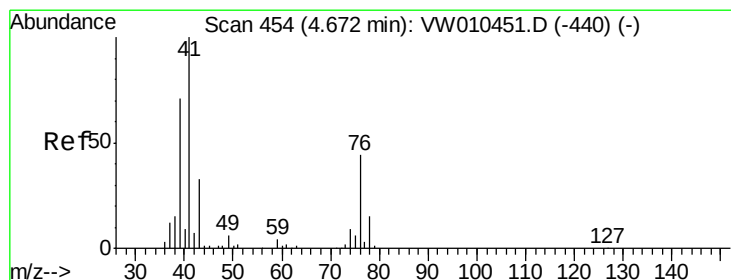
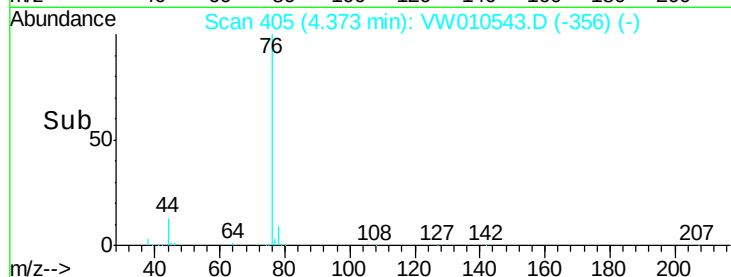
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 40.342 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010543.D

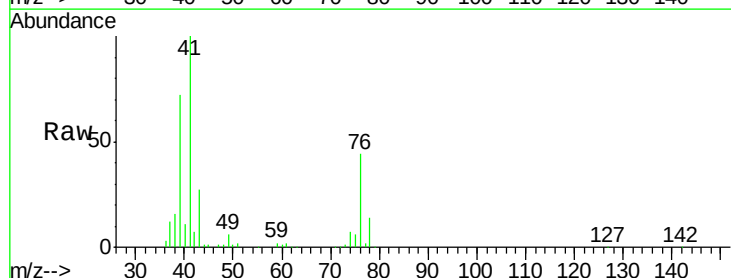
Acq: 24 May 2019 10:49

Tgt Ion: 43 Resp: 32555

Ion Ratio Lower Upper

43 100

74 28.0 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

12000

10000

8000

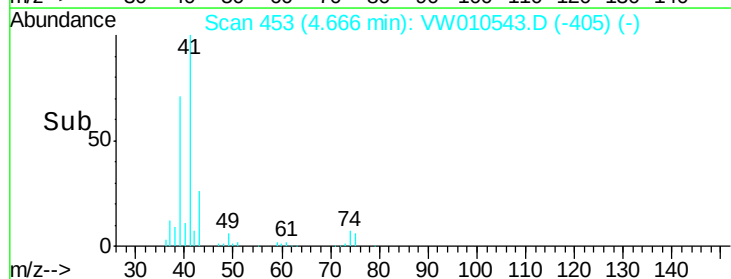
6000

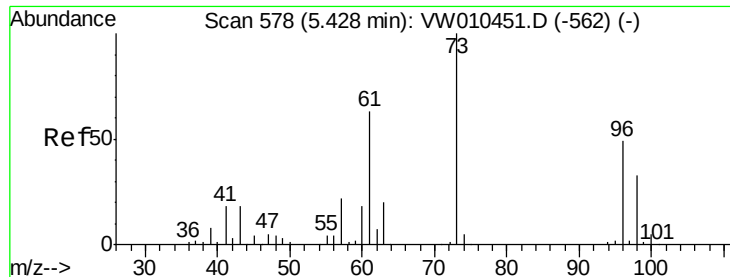
4000

2000

0

Time--> 4.50 4.60 4.70 4.80





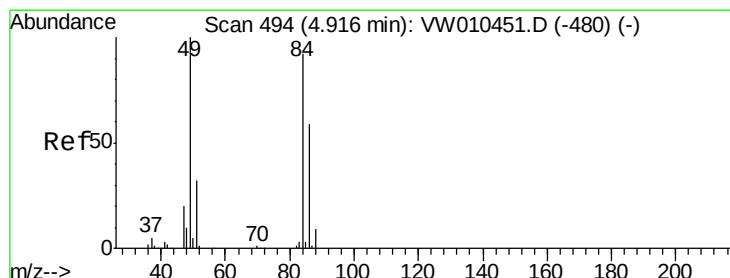
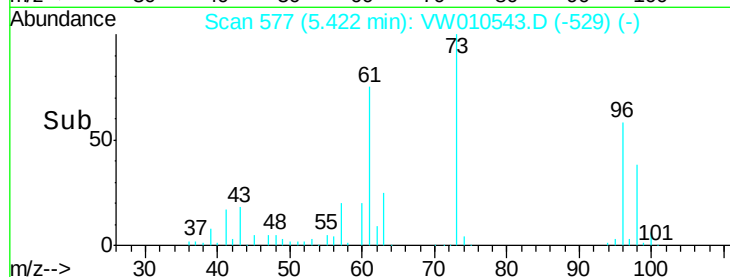
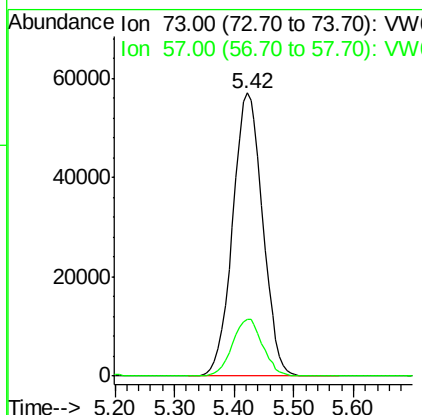
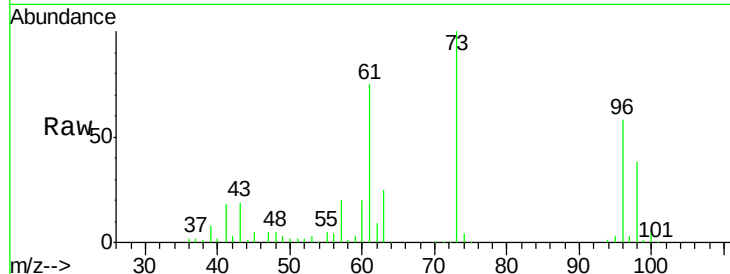
#19
Methyl tert-butyl Ether
Concen: 47.183 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 198976
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0

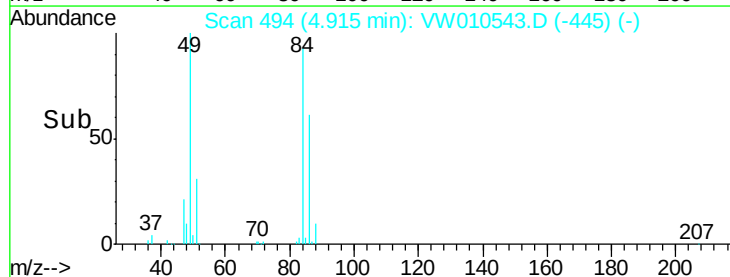
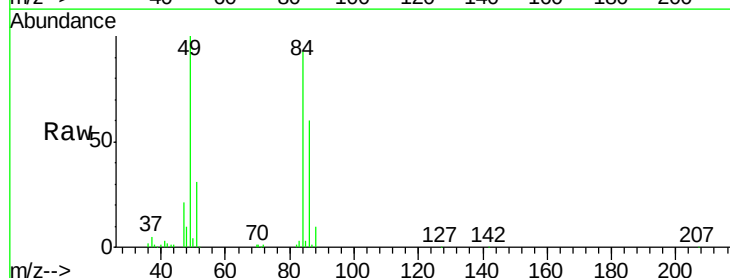
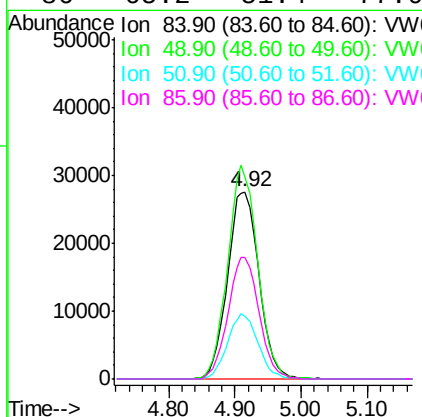
Manual Integrations
APPROVED

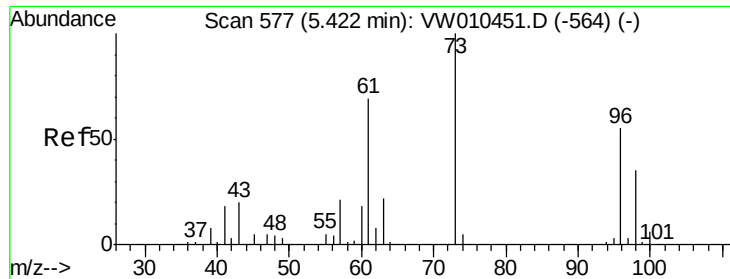
MMDadoda
5/28/2019 12:01:13 PM



#20
Methylene Chloride
Concen: 46.791 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 84 Resp: 91220
Ion Ratio Lower Upper
84 100
49 107.8 87.2 130.8
51 33.5 27.7 41.5
86 65.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 54.149 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 102743

Ion Ratio Lower Upper

96 100

61 128.3 101.4 152.0

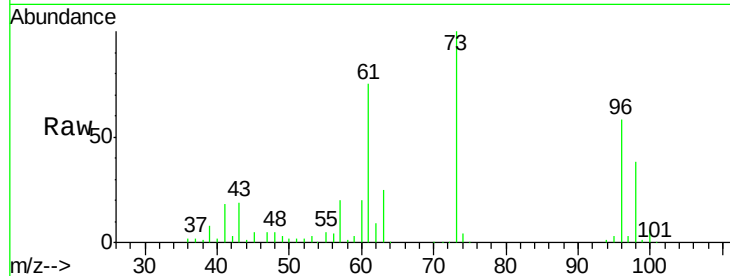
98 64.3 50.6 76.0

Manual Integrations

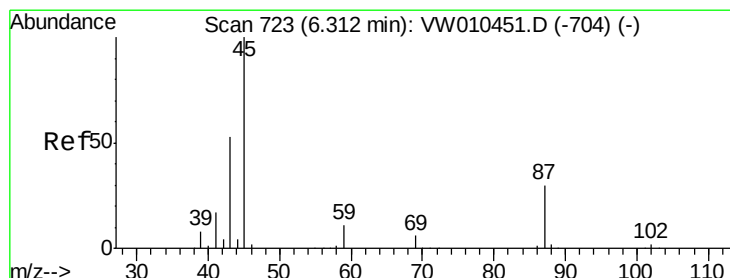
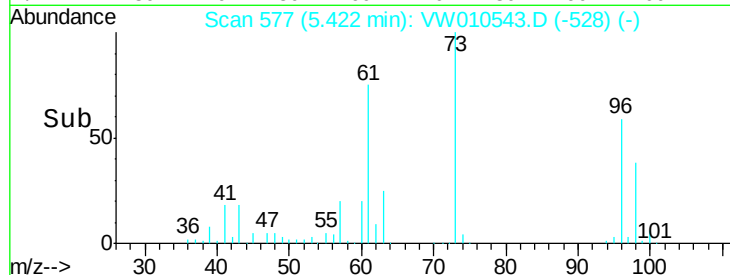
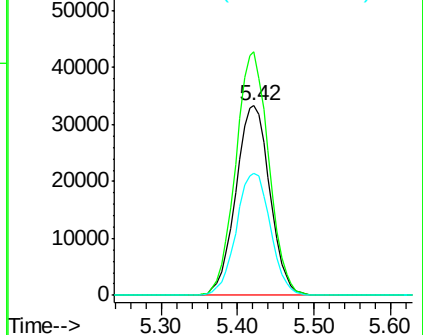
APPROVED

MMDadoda

5/28/2019 12:01:13 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: 50.145 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion: 45 Resp: 246199

Ion Ratio Lower Upper

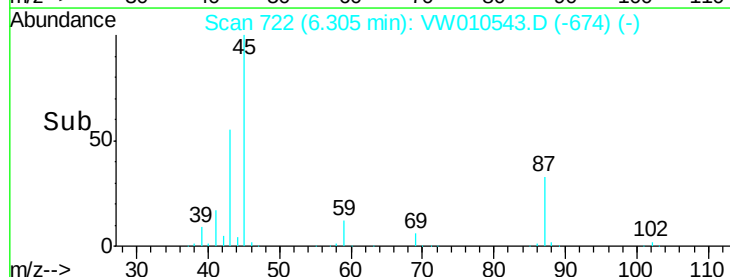
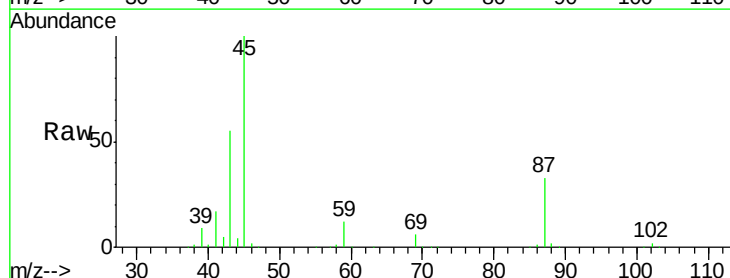
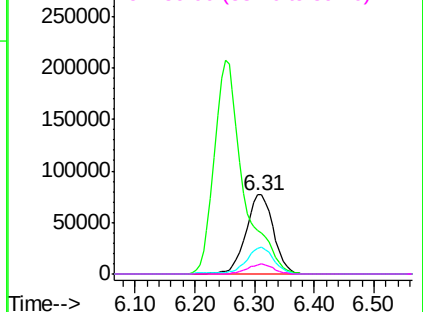
45 100

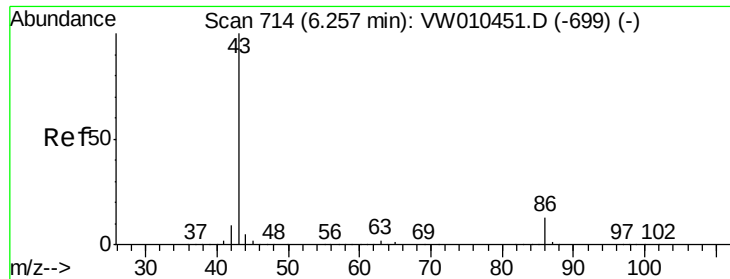
43 55.0 42.9 64.3

87 32.9 24.6 36.8

59 12.0 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: 236.559 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 693780

Ion Ratio Lower Upper

43 100

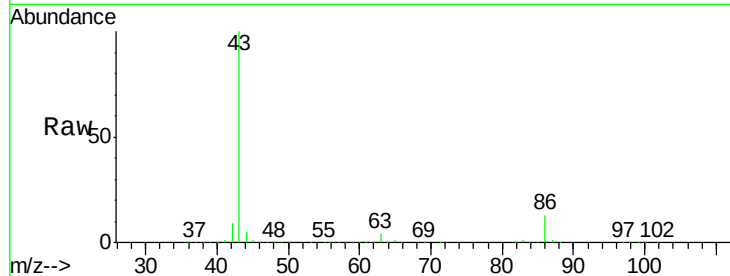
86 13.0 10.3 15.5

Manual Integrations

APPROVED

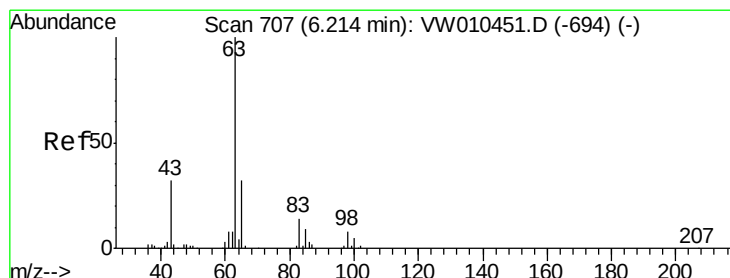
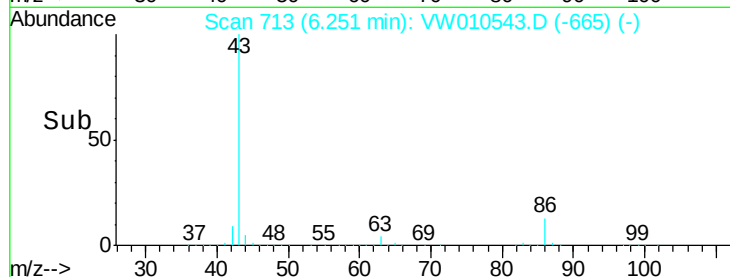
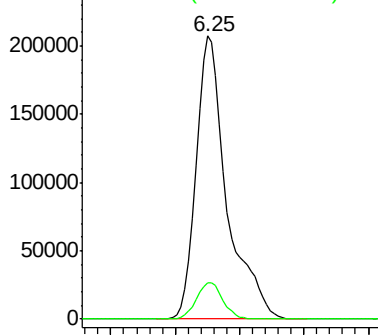
MMDadoda

5/28/2019 12:01:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.872 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

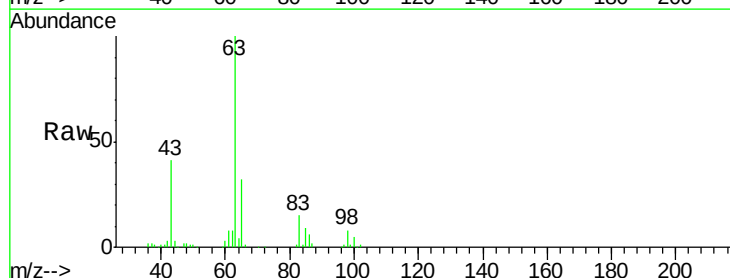
Tgt Ion: 63 Resp: 157840

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

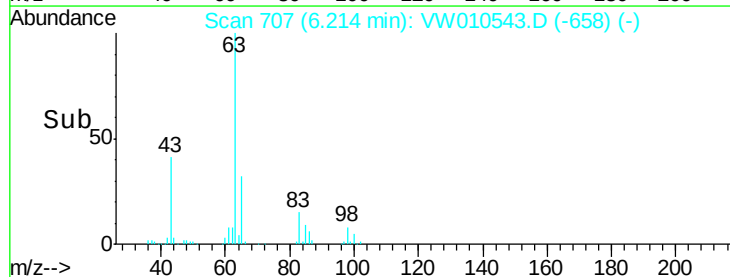
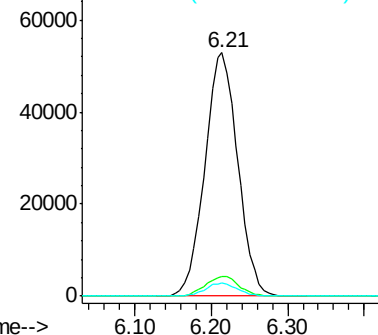
100 5.5 2.5 7.4

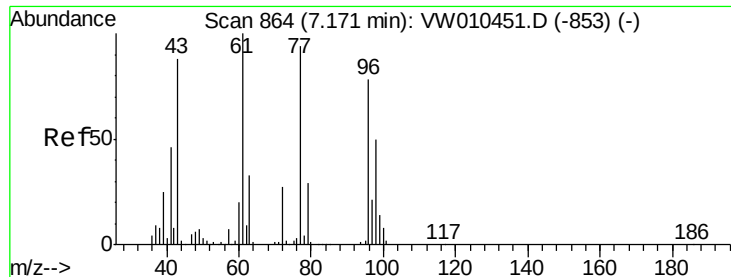


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 218.211 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 103039

Ion Ratio Lower Upper

43 100

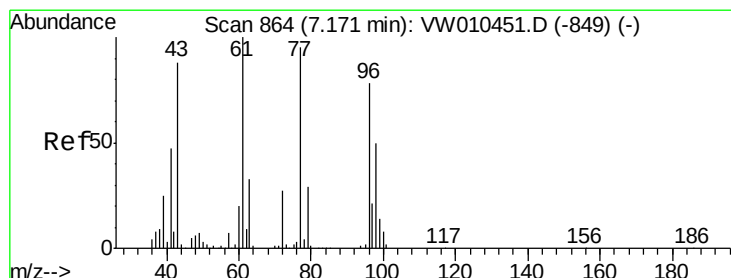
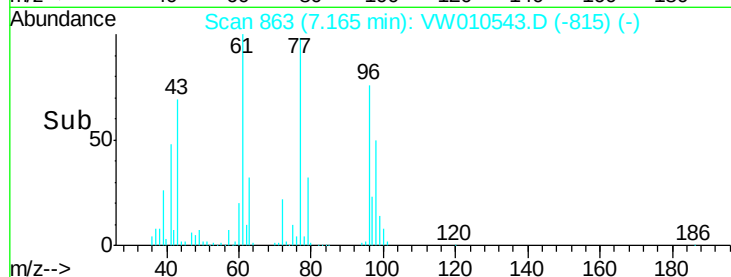
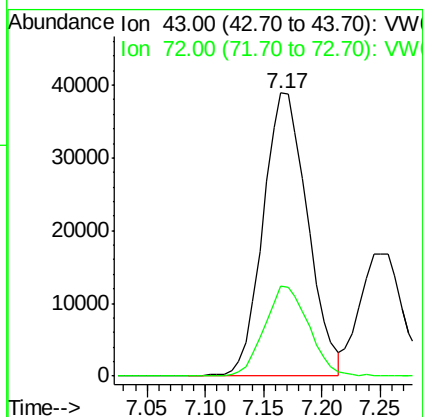
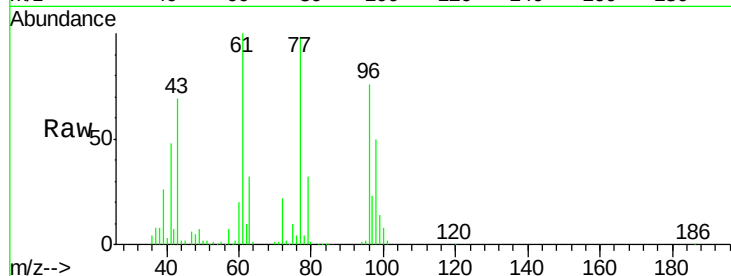
72 32.0 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#26

2,2-Dichloropropane

Concen: 56.661 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010543.D

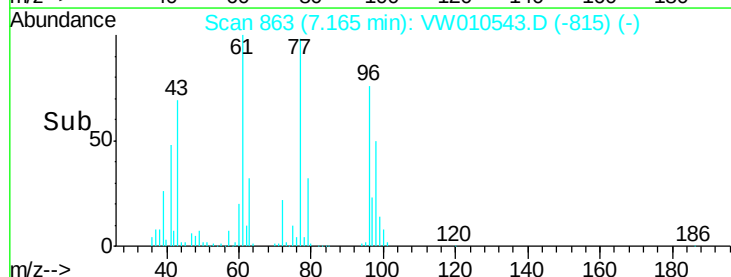
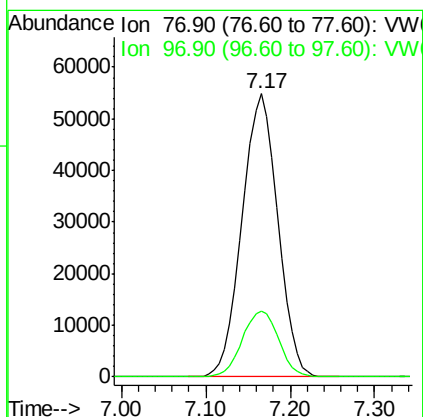
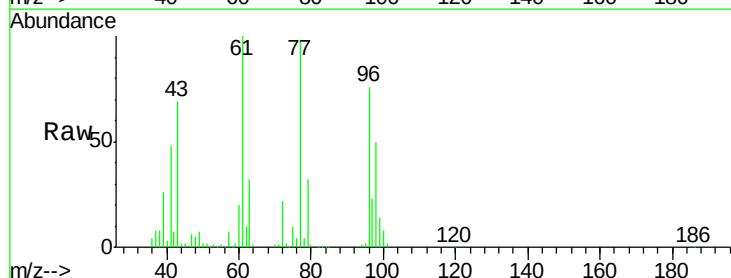
Acq: 24 May 2019 10:49

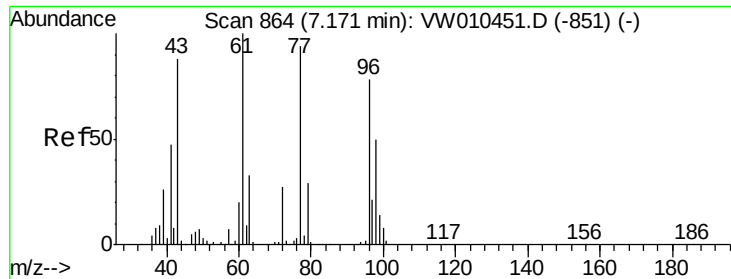
Tgt Ion: 77 Resp: 158134

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

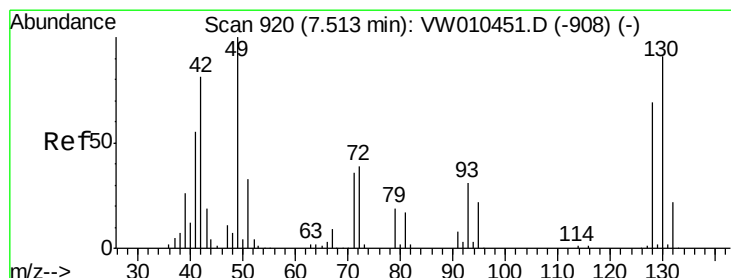
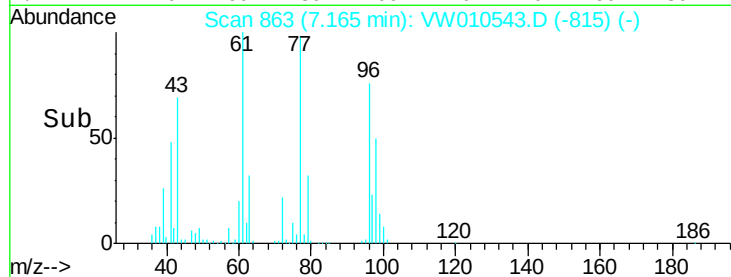
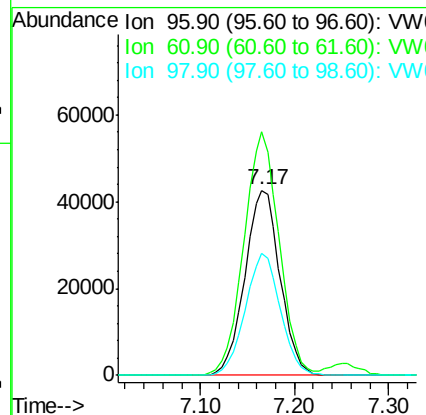
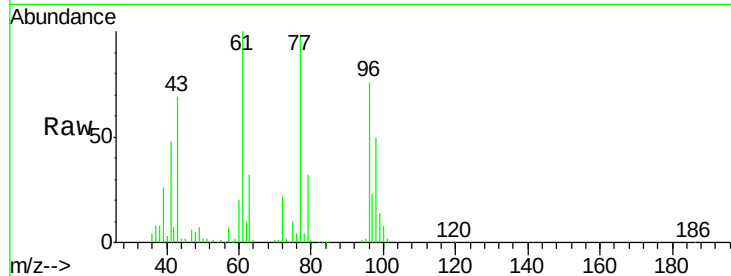
cis-1,2-Dichloroethene
 Concen: 53.998 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	111389		
61	131.9	0.0	265.4	
98	65.7	0.0	129.4	

Manual Integrations
 APPROVED

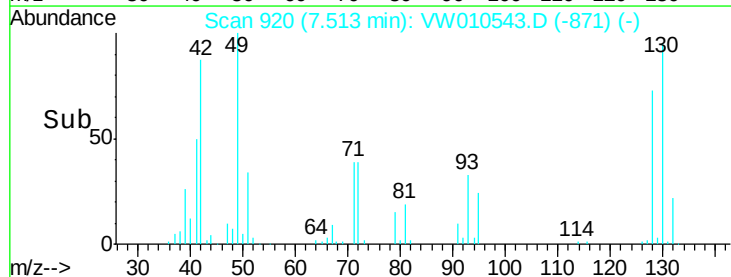
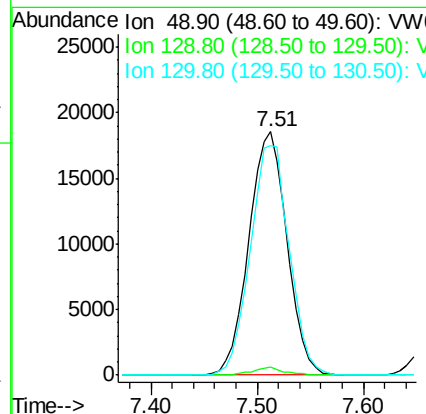
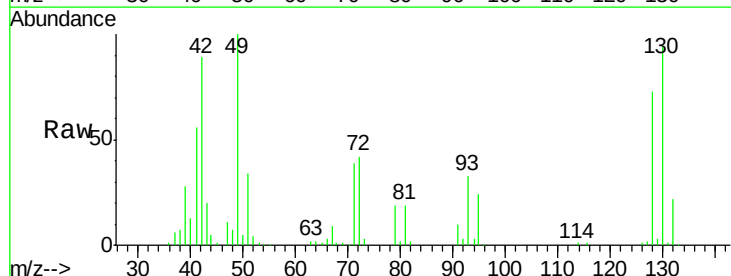
MMDadoda
 5/28/2019 12:01:13 PM

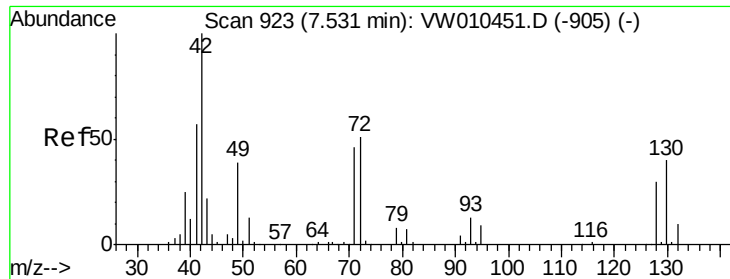


#28

Bromochloromethane
 Concen: 44.473 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46653		
129	2.6	0.0	4.8	
130	96.5	71.2	106.8	





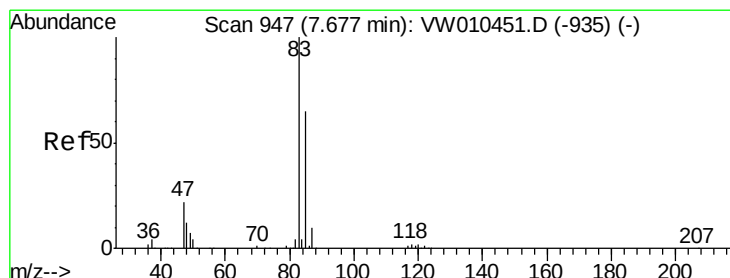
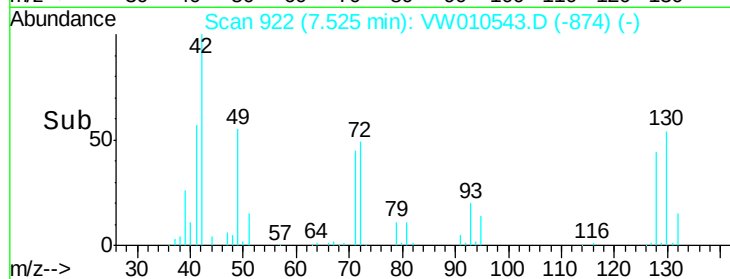
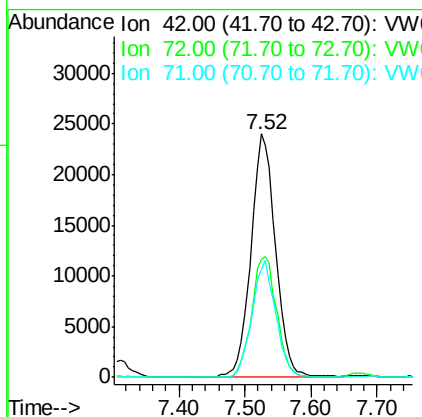
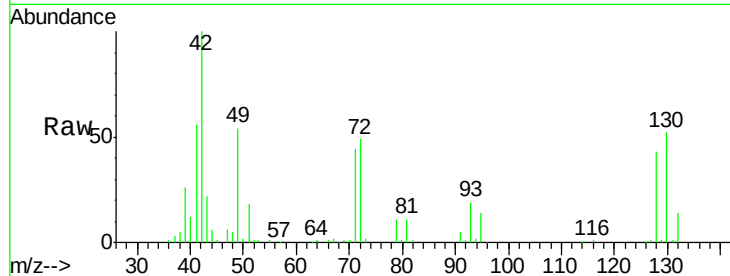
#29
Tetrahydrofuran
Concen: 195.733 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	38.5	57.7
71	46.2	36.5	54.7

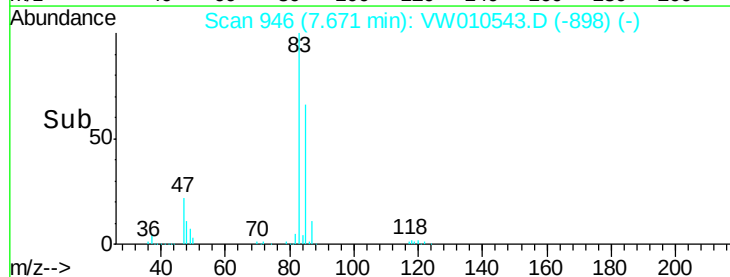
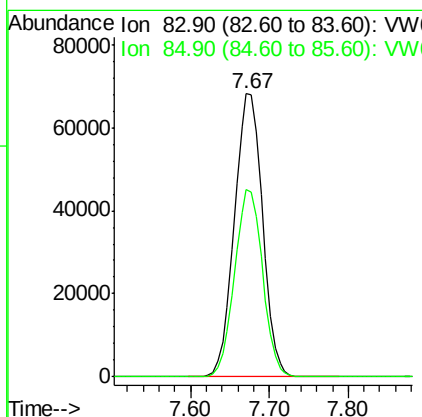
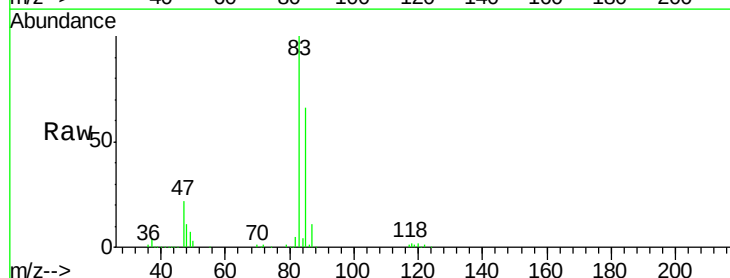
Manual Integrations
APPROVED

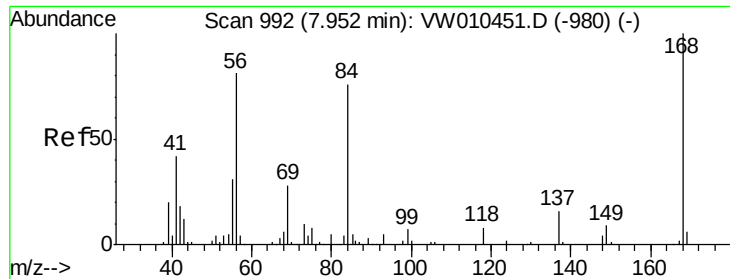
MMDadoda
5/28/2019 12:01:13 PM



#30
Chloroform
Concen: 53.646 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





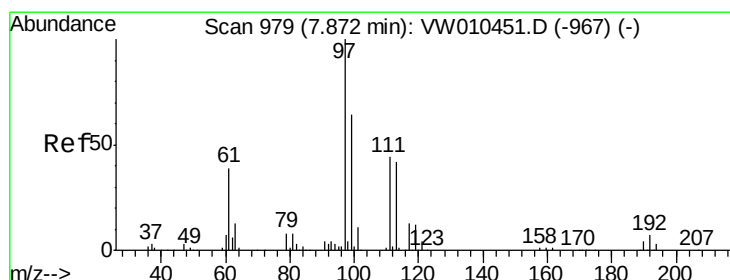
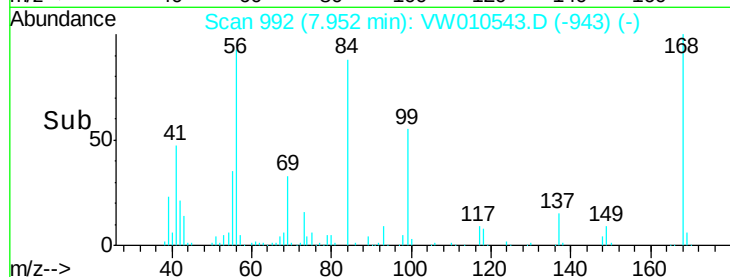
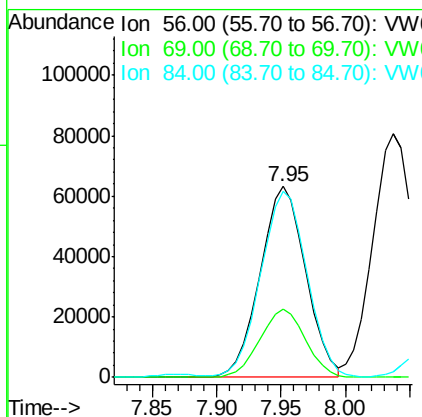
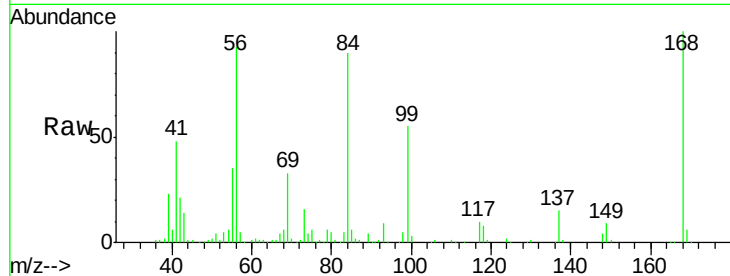
#31
Cyclohexane
Concen: 50.653 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	28.2	42.2
84	95.4	75.8	113.8

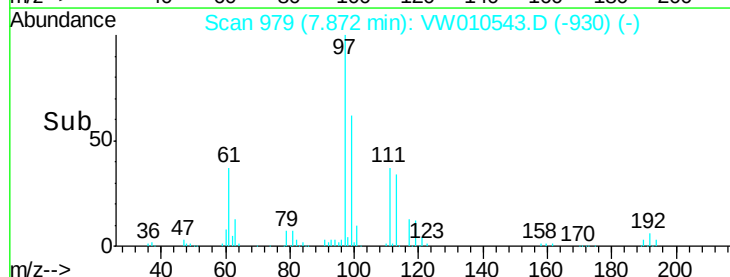
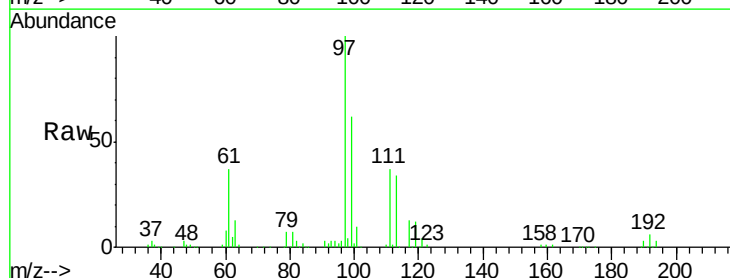
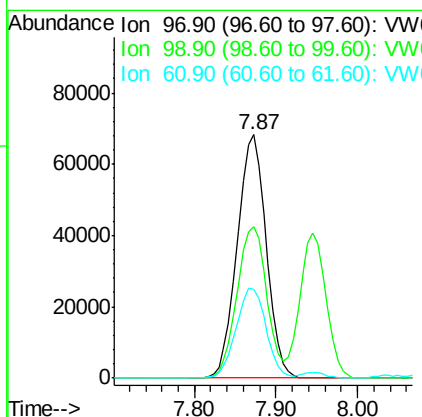
Manual Integrations
APPROVED

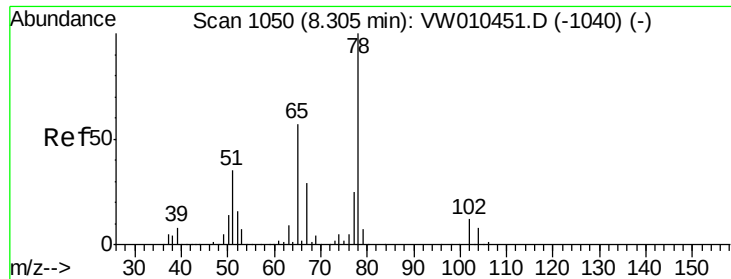
MMDadoda
5/28/2019 12:01:13 PM



#32
1,1,1-Trichloroethane
Concen: 55.705 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	38.4	32.1	48.1





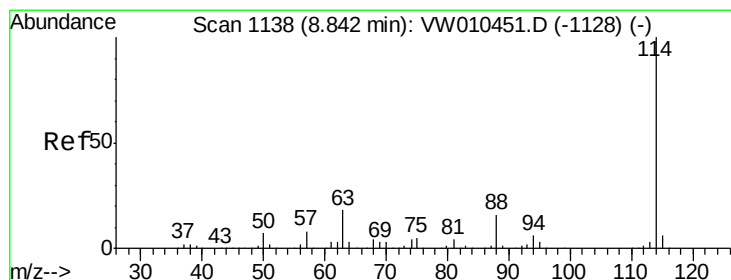
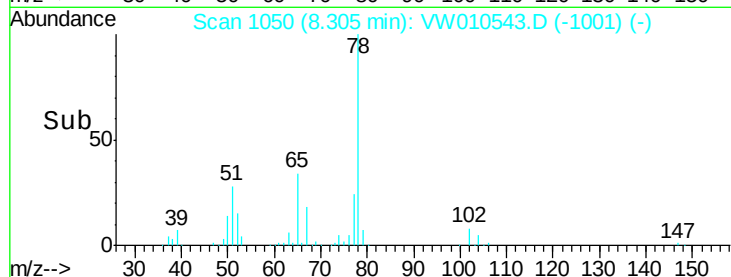
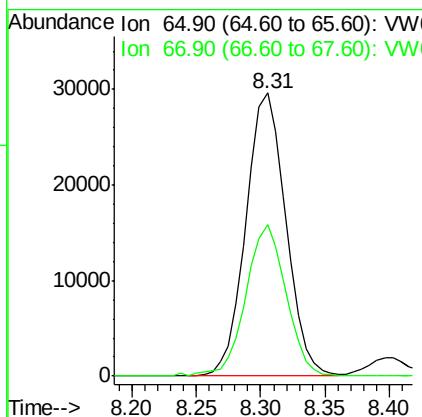
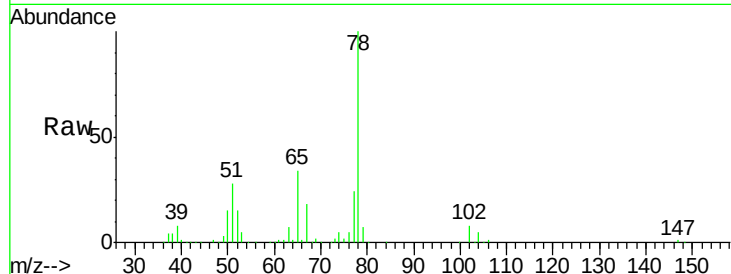
#33
 1,2-Dichloroethane-d4
 Concen: 39.385 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	63665		
67	53.6	0.0	103.6	

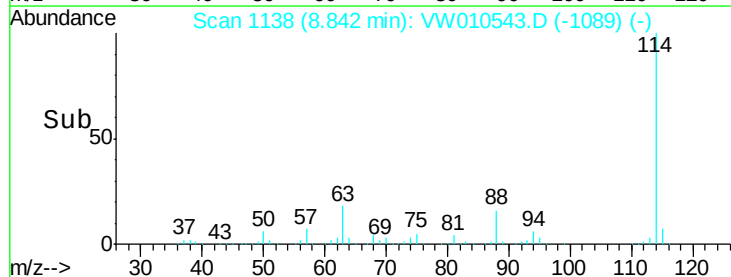
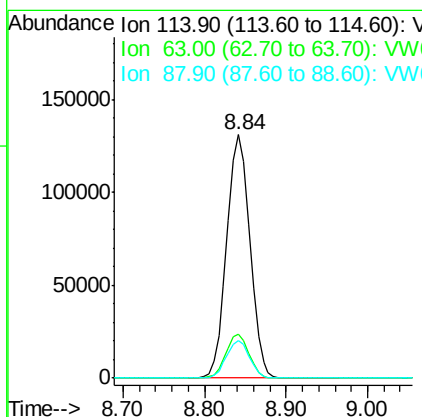
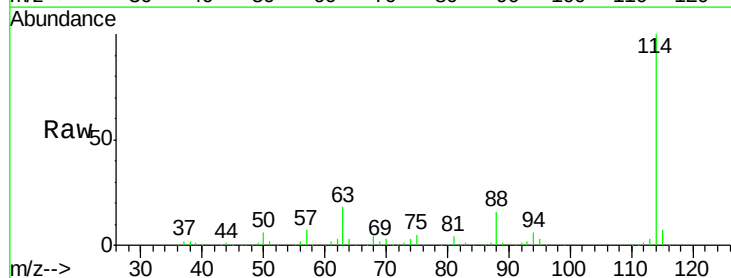
Manual Integrations
 APPROVED

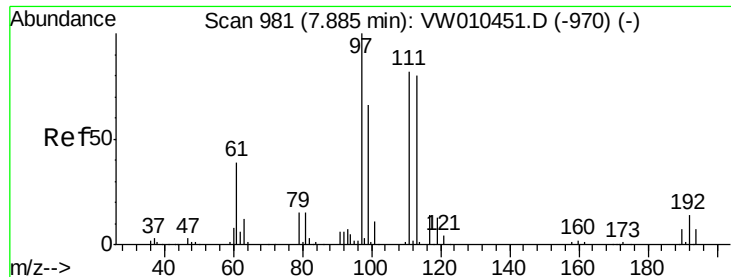
MMDadoda
 5/28/2019 12:01:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	256948		
63	17.9	0.0	36.0	
88	15.5	0.0	32.0	





#35

Dibromofluoromethane

Concen: 44.994 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

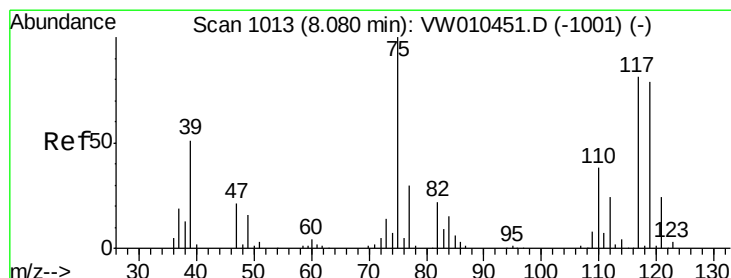
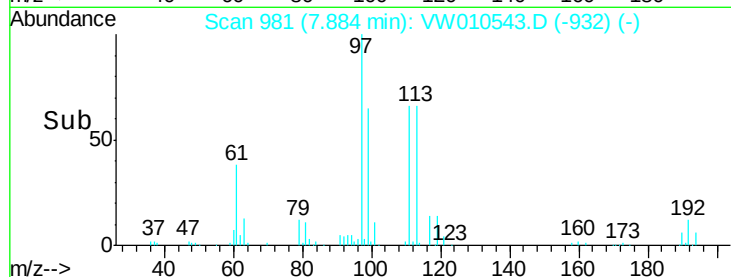
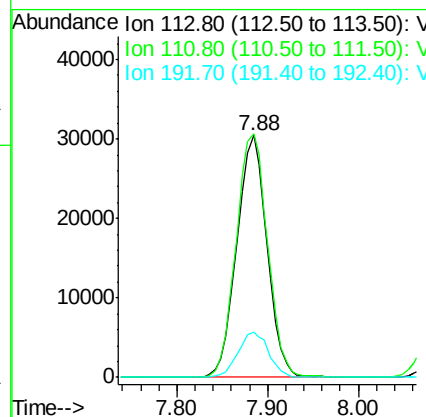
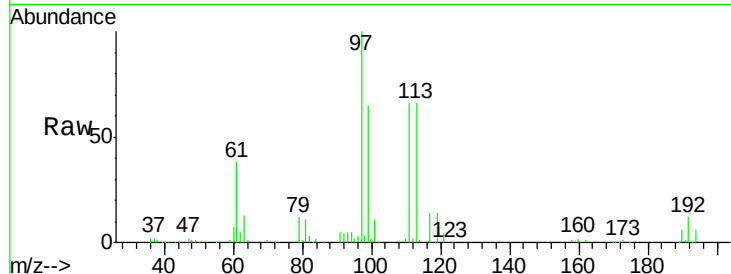
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	70150
Ion Ratio	Lower	Upper	
113	100		
111	105.3	82.2	123.4
192	19.0	14.3	21.5

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#36

1,1-Dichloropropene

Concen: 58.241 ug/l

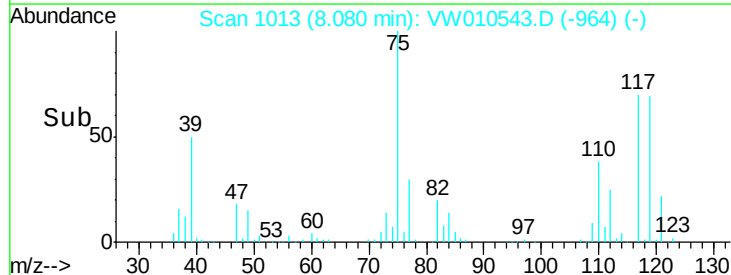
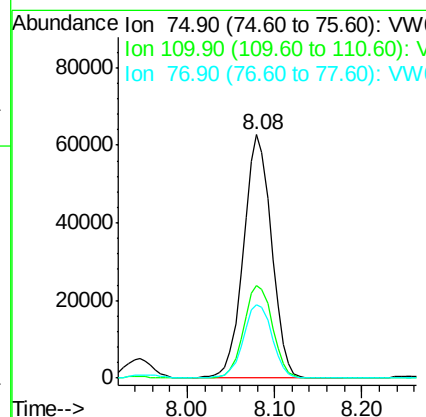
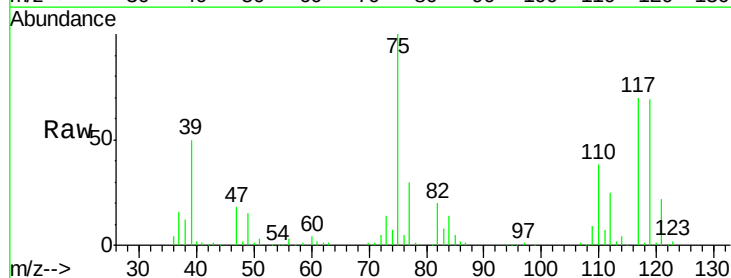
RT: 8.08 min Scan# 1013

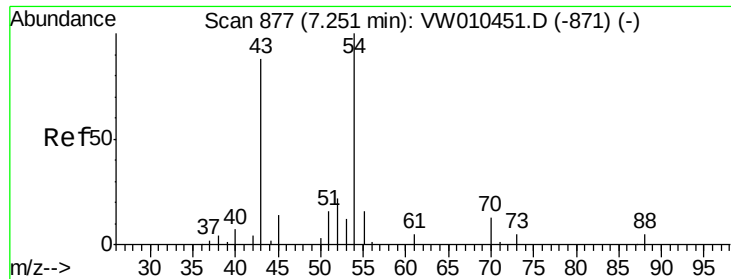
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	75	Resp:	139406
Ion Ratio	Lower	Upper	
75	100		
110	39.1	19.2	57.6
77	31.2	25.2	37.8





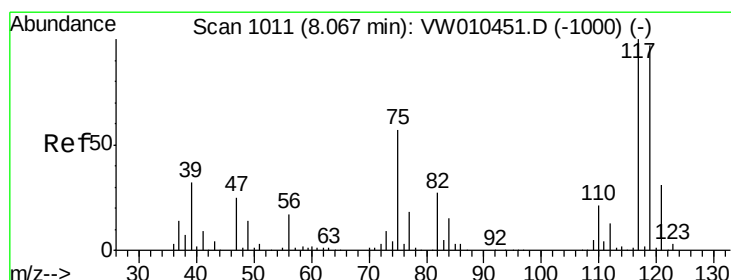
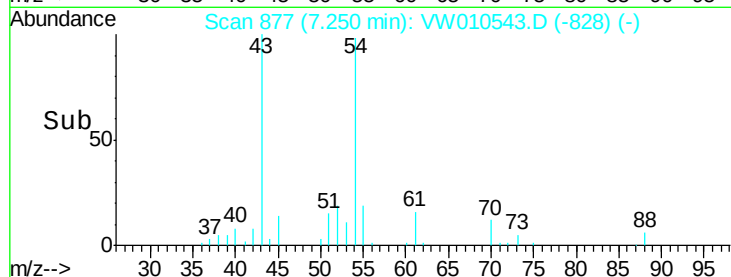
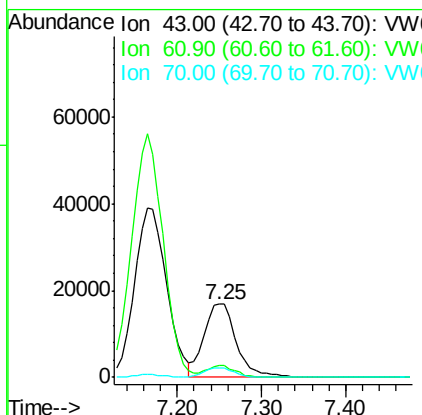
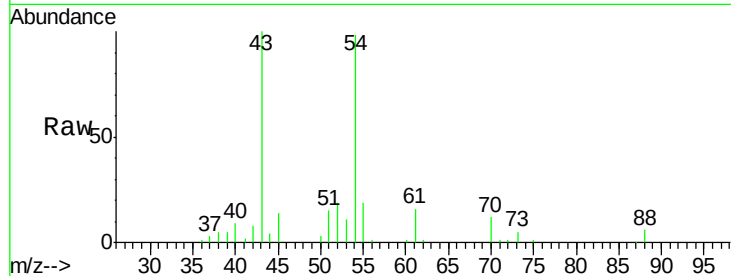
#37
Ethyl Acetate
Concen: 44.235 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	12.8	9.9	14.9

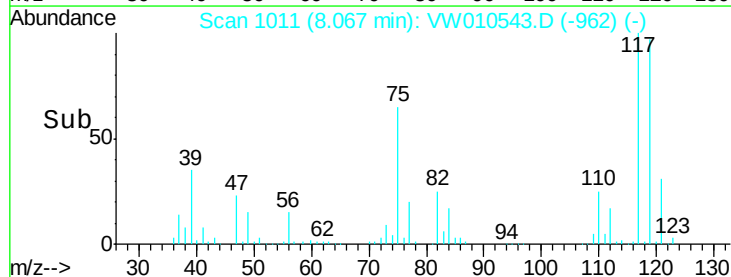
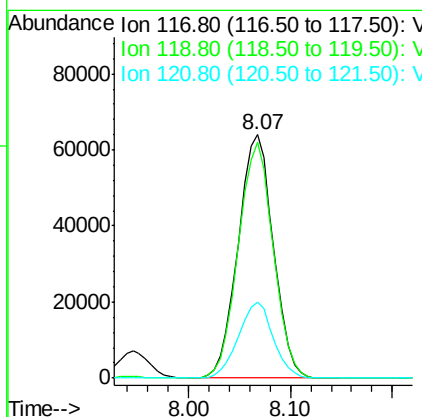
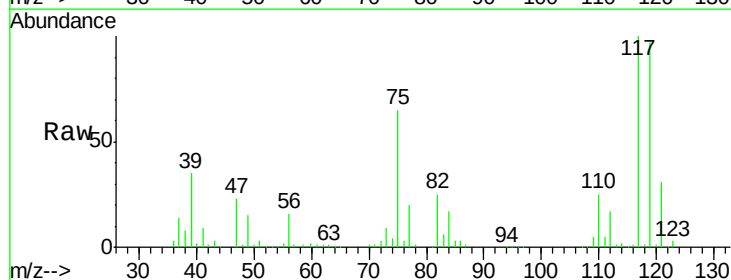
Manual Integrations
APPROVED

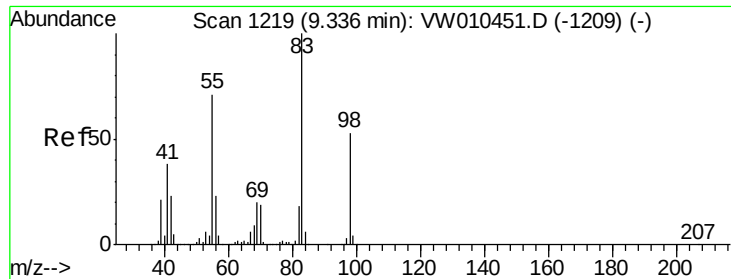
MMDadoda
5/28/2019 12:01:13 PM



#38
Carbon Tetrachloride
Concen: 59.387 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
121	31.1	25.0	37.6





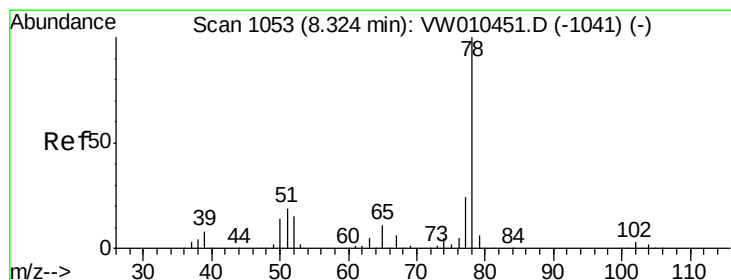
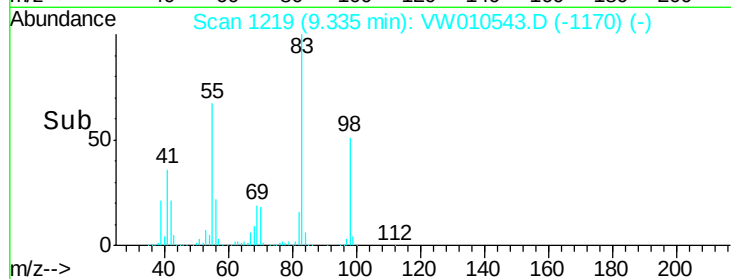
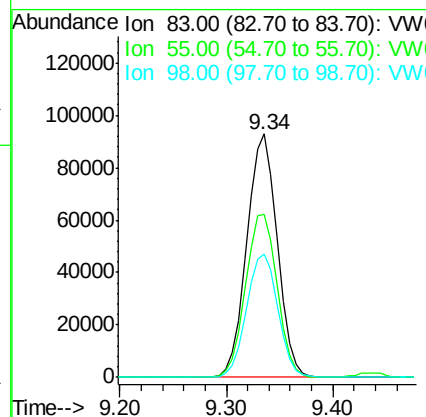
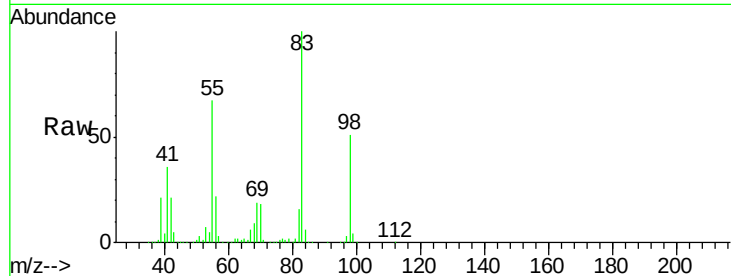
#39
Methylvlcyclohexane
Concen: 58.362 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	57.0	85.6
98	50.8	42.0	63.0

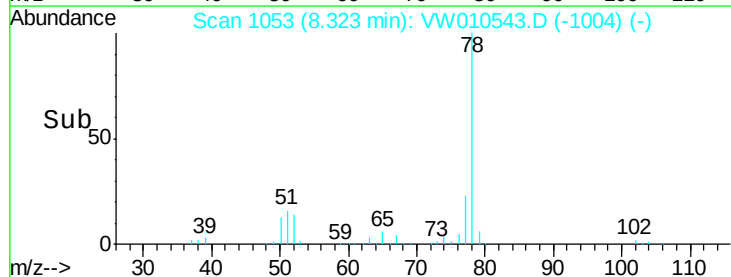
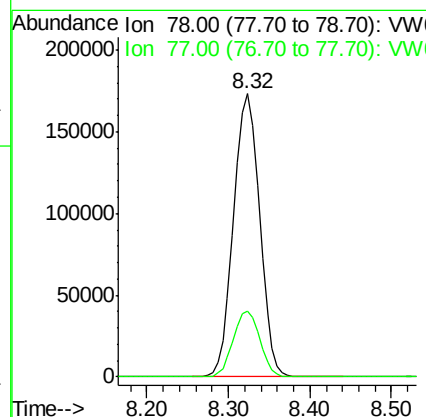
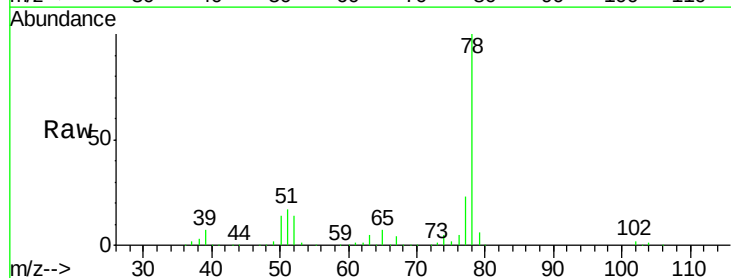
Manual Integrations
APPROVED

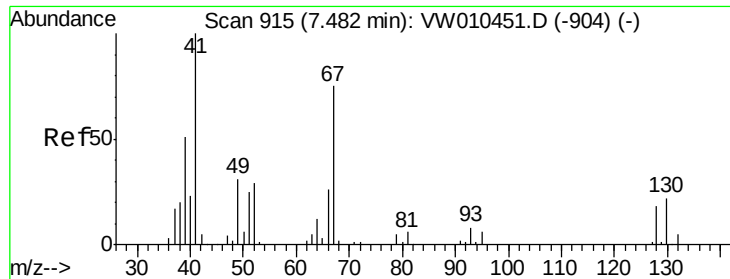
MMDadoda
5/28/2019 12:01:13 PM



#40
Benzene
Concen: 57.510 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





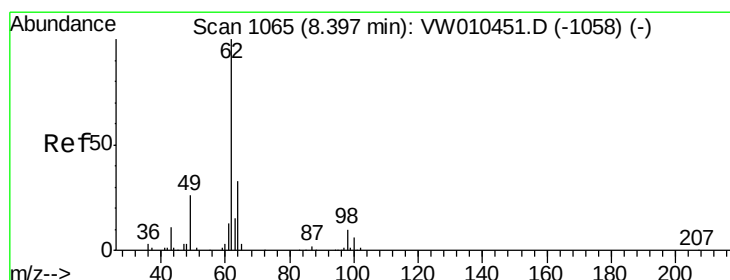
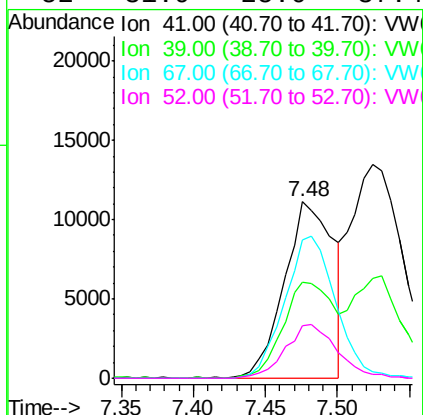
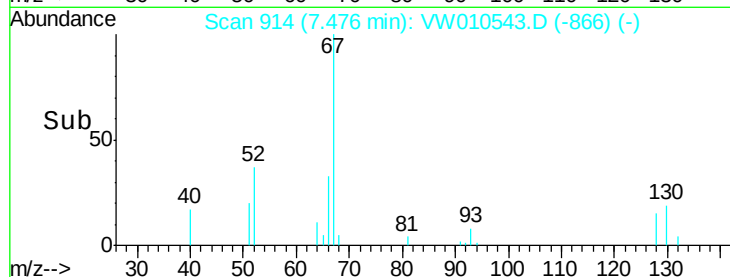
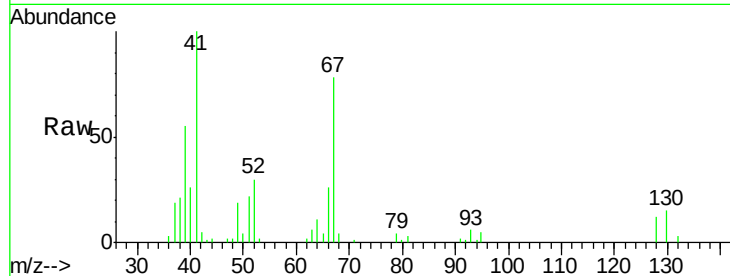
#41
Methacrylonitrile
Concen: 43.843 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	47.4	71.2
67	83.9	65.5	98.3
52	31.9	25.0	37.4

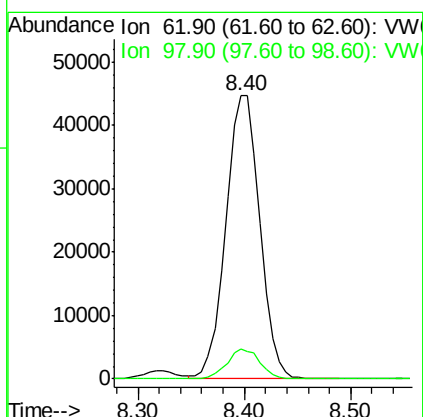
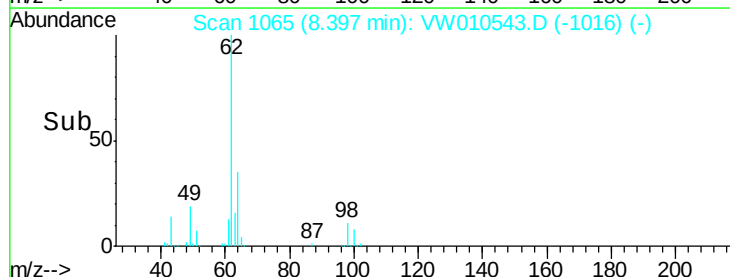
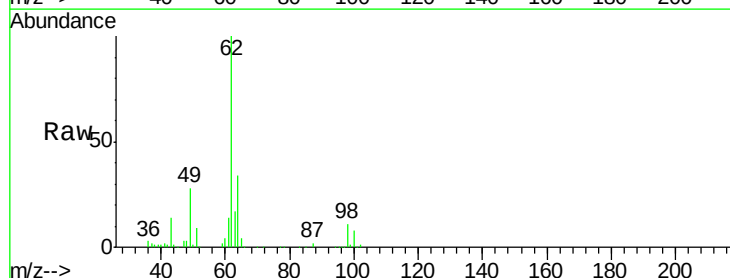
Manual Integrations
APPROVED

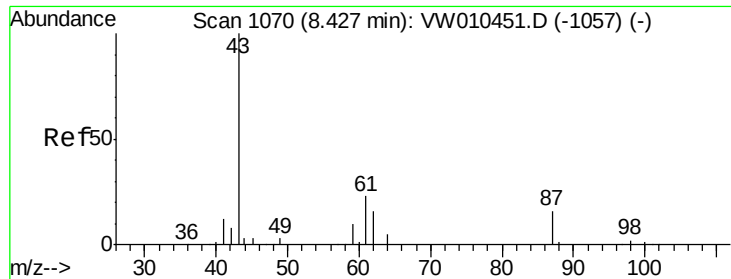
MMDadoda
5/28/2019 12:01:13 PM



#42
1,2-Dichloroethane
Concen: 52.478 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 44.549 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

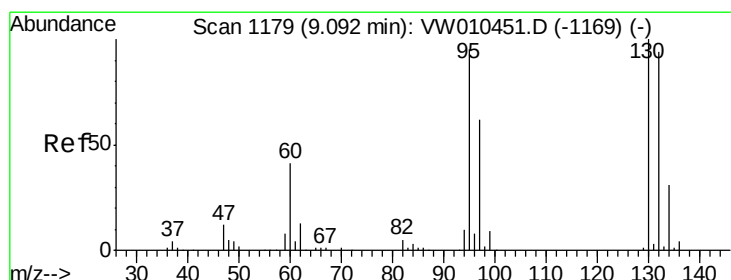
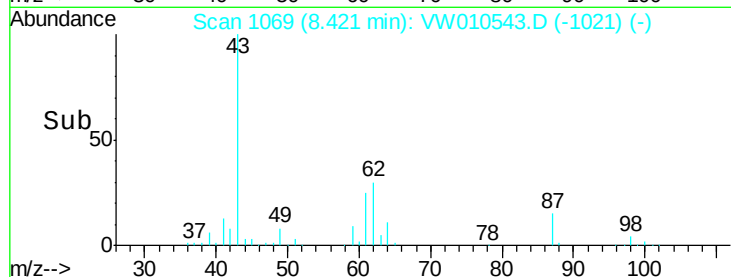
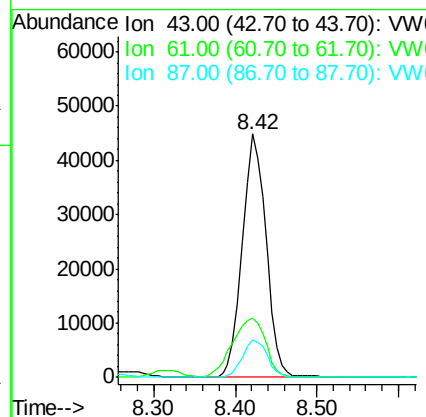
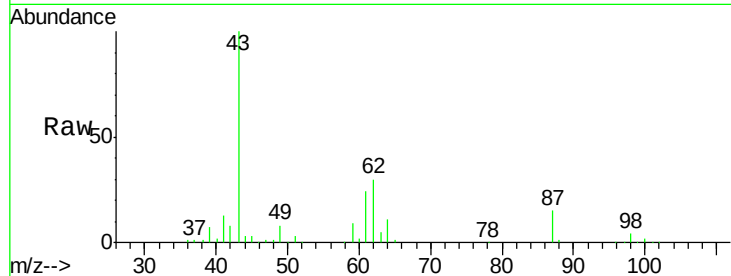
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	90589
Ion	Ratio	Lower	Upper
43	100		
61	34.1	25.4	38.2
87	16.1	12.7	19.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#44

Trichloroethene

Concen: 59.769 ug/l

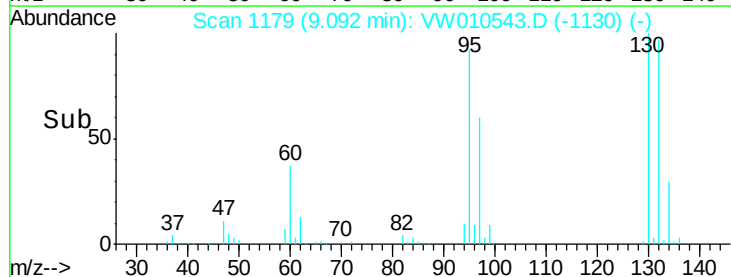
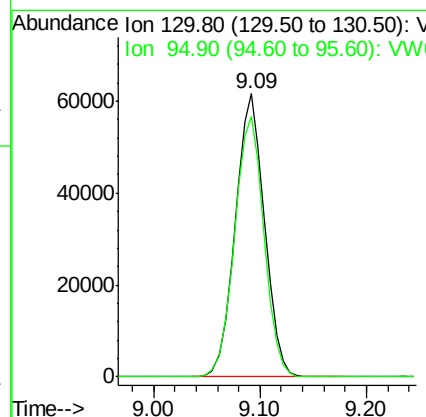
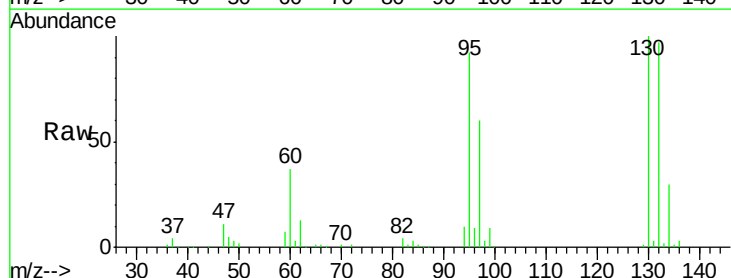
RT: 9.09 min Scan# 1179

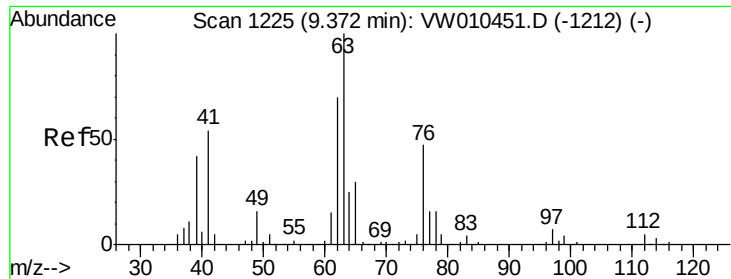
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	130	Resp:	118050
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	189.6





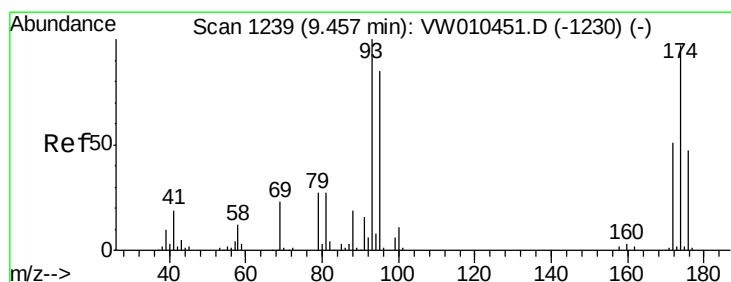
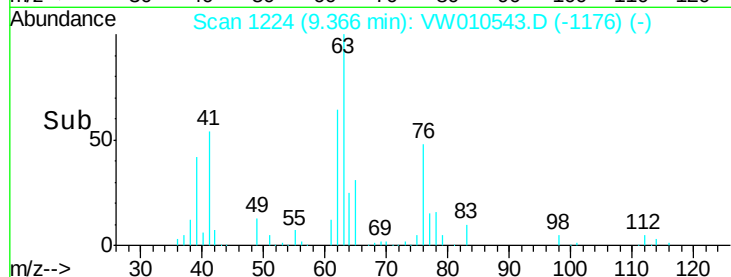
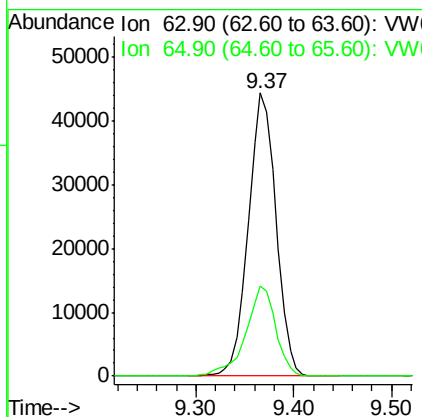
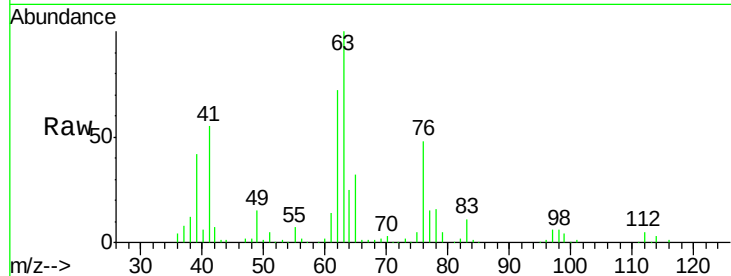
#45
 1,2-Dichloropropane
 Concen: 55.222 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.3	36.5

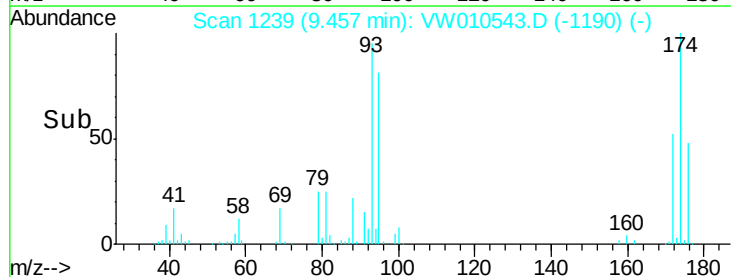
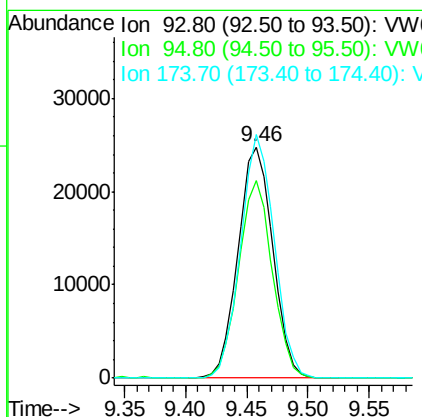
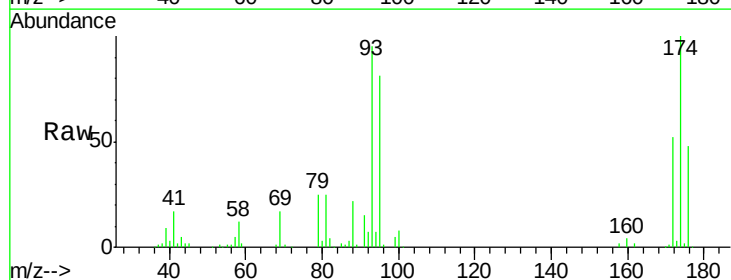
Manual Integrations
 APPROVED

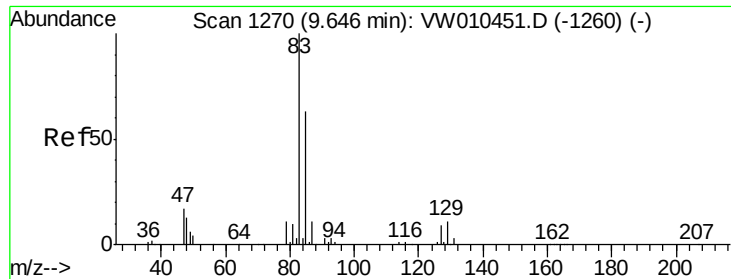
MMDadoda
 5/28/2019 12:01:13 PM



#46
 Dibromomethane
 Concen: 52.909 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.1	99.1
174	102.1	77.1	115.7





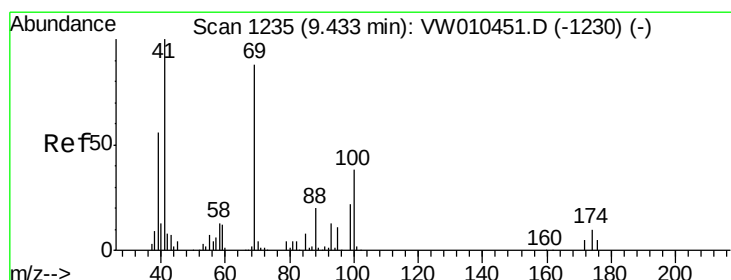
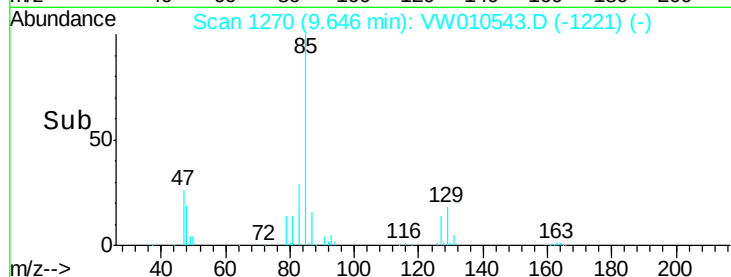
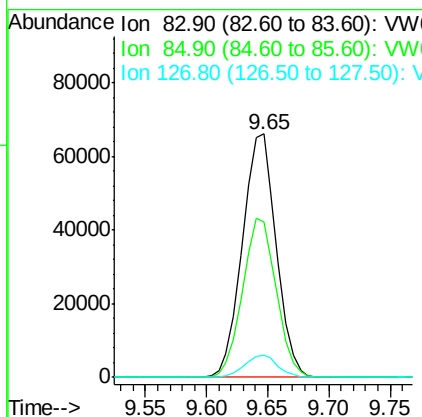
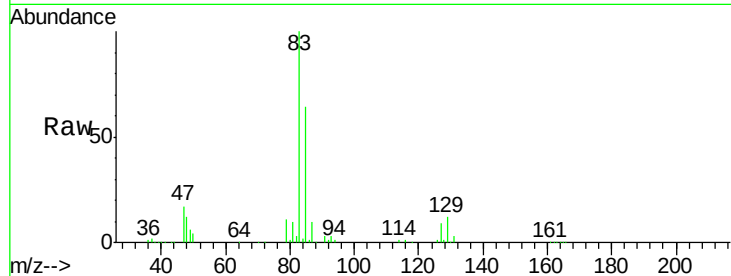
#47
 Bromodichloromethane
 Concen: 54.813 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127281		
85	63.8		50.4	75.6
127	9.1		7.4	11.0

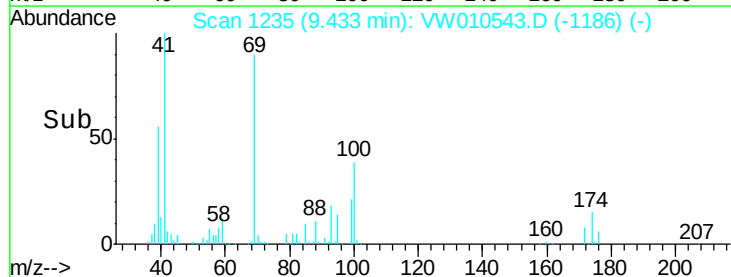
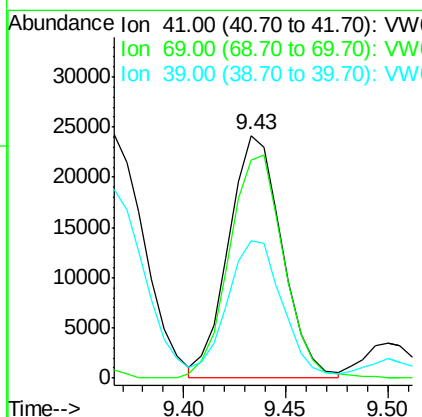
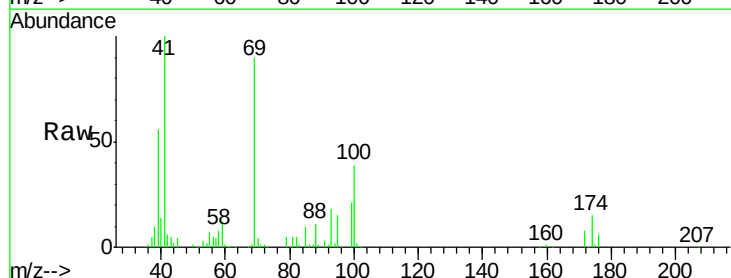
Manual Integrations
 APPROVED

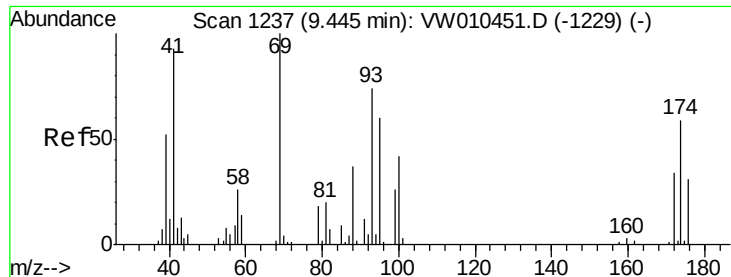
MMDadoda
 5/28/2019 12:01:13 PM



#48
 Methyl methacrylate
 Concen: 46.931 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	43660		
69	94.5		77.6	116.4
39	54.6		49.8	74.8





#49

1,4-Dioxane

Concen: 832.273 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

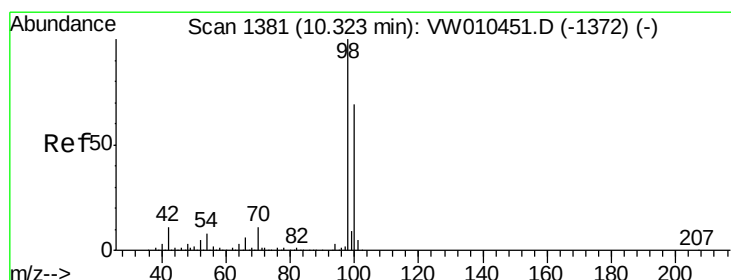
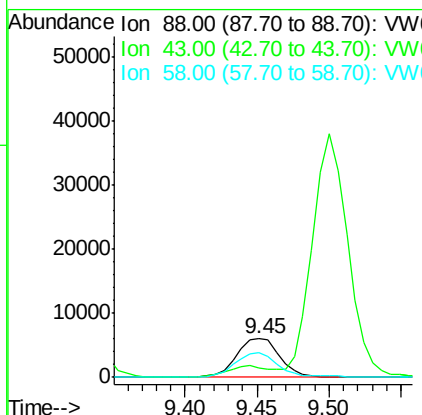
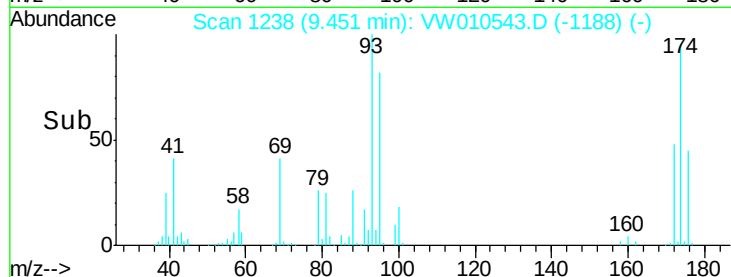
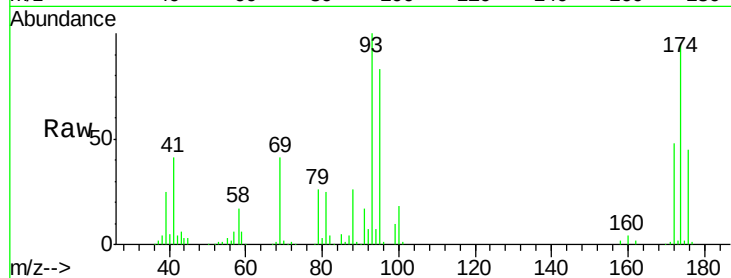
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	12563
Ion	Ratio	Lower	Upper
88	100		
43	30.7	25.9	38.9
58	63.0	52.7	79.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#50

Toluene-d8

Concen: 46.487 ug/l

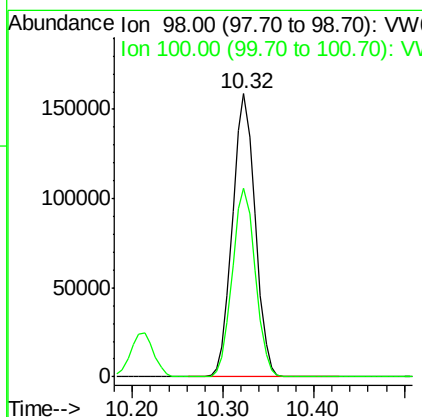
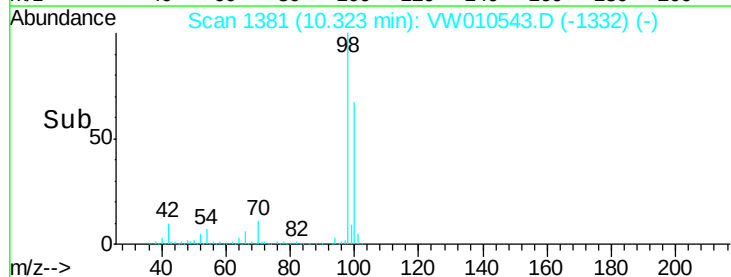
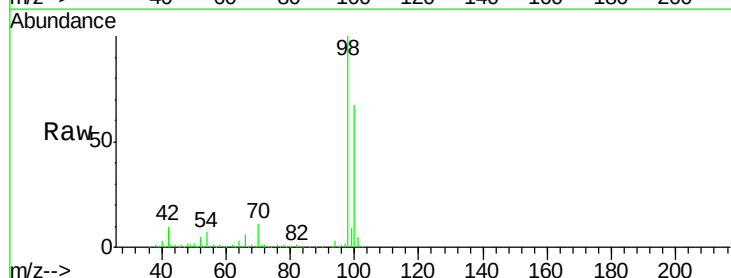
RT: 10.32 min Scan# 1381

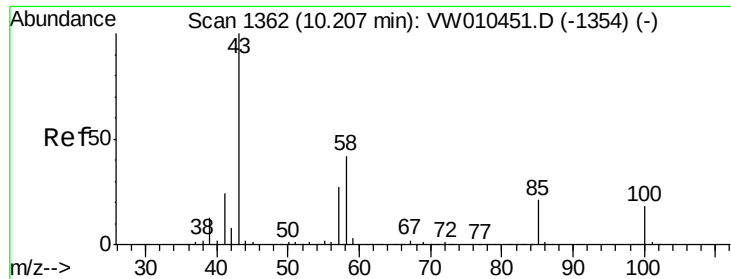
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	98	Resp:	276883
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 214.977 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 221515

Ion Ratio Lower Upper

43 100

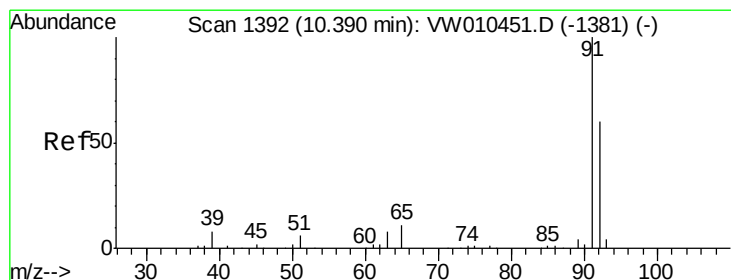
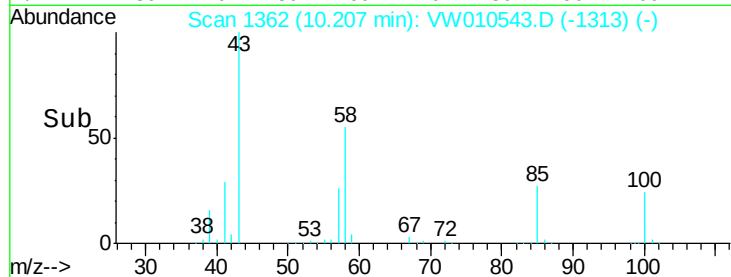
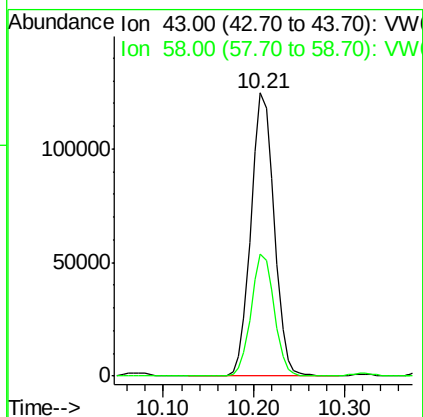
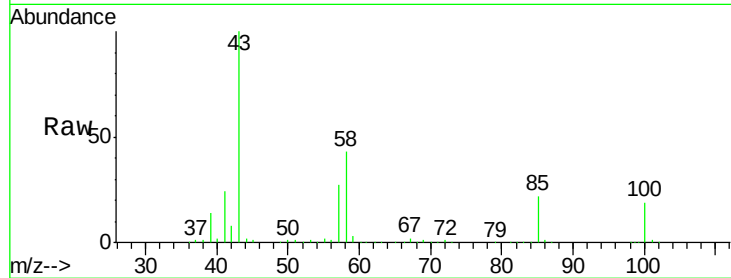
58 42.9 33.2 49.8

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#52

Toluene

Concen: 57.514 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010543.D

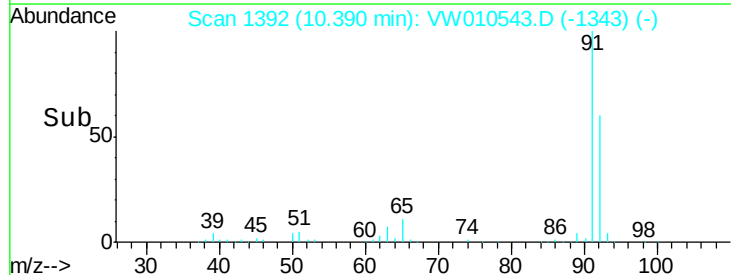
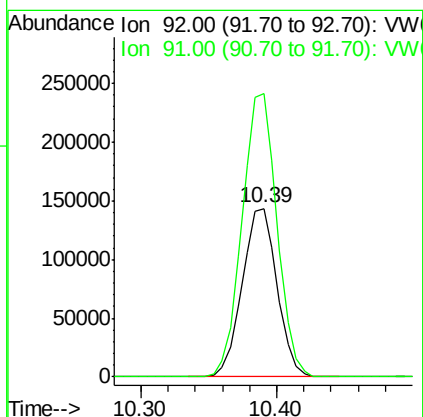
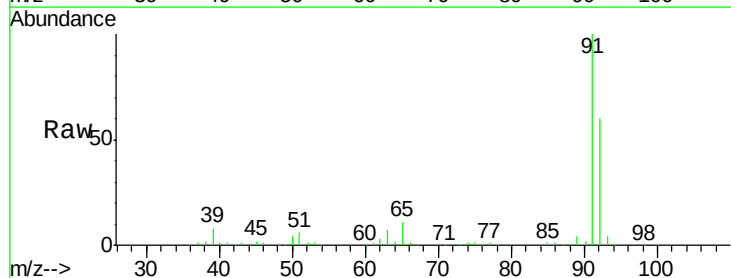
Acq: 24 May 2019 10:49

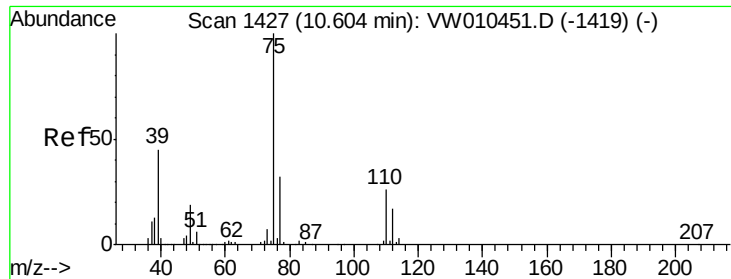
Tgt Ion: 92 Resp: 256965

Ion Ratio Lower Upper

92 100

91 168.4 135.4 203.0





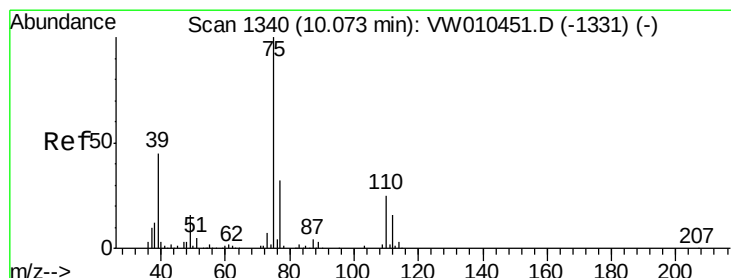
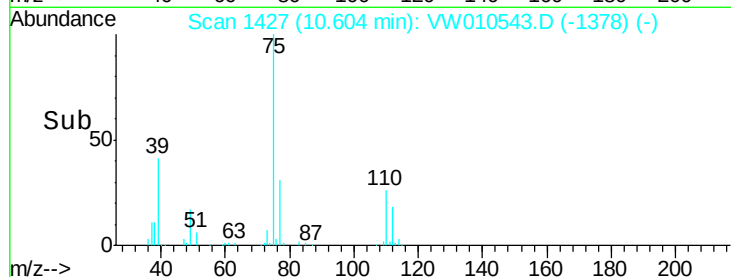
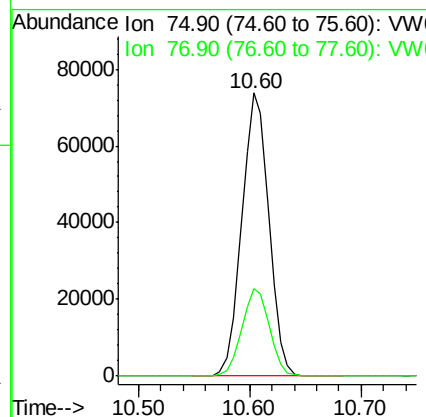
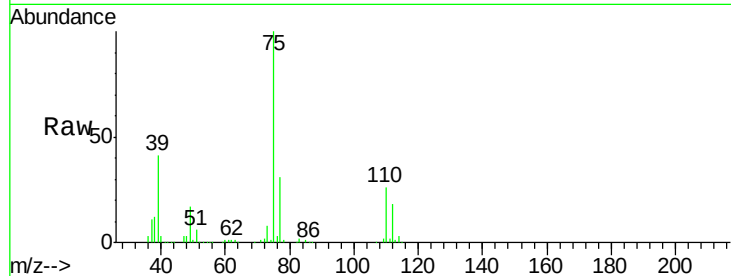
#53
t-1,3-Dichloropropene
Concen: 52.569 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

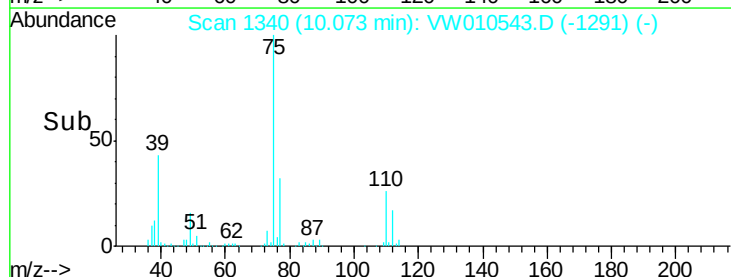
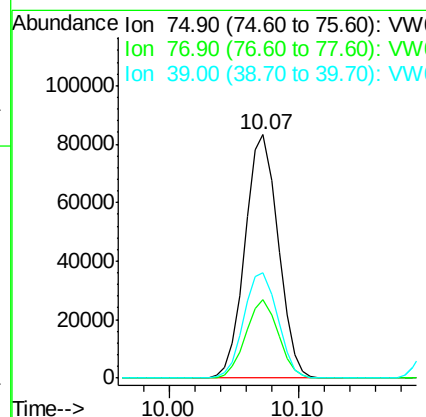
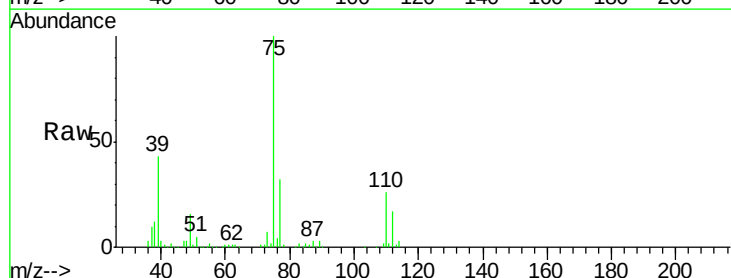
Manual Integrations
APPROVED

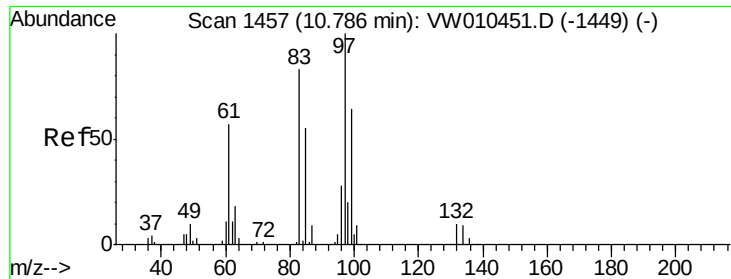
MMDadoda
5/28/2019 12:01:13 PM



#54
cis-1,3-Dichloropropene
Concen: 55.152 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5
39	43.5	36.2	54.4





#55

1,1,2-Trichloroethane

Concen: 52.695 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

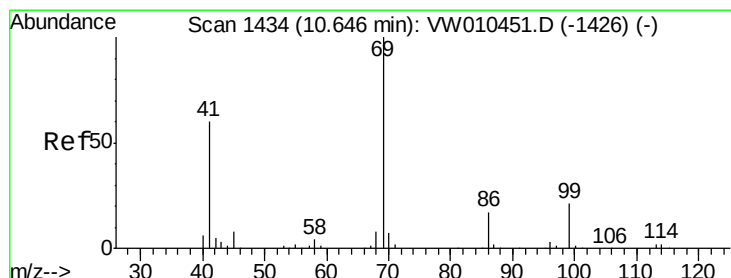
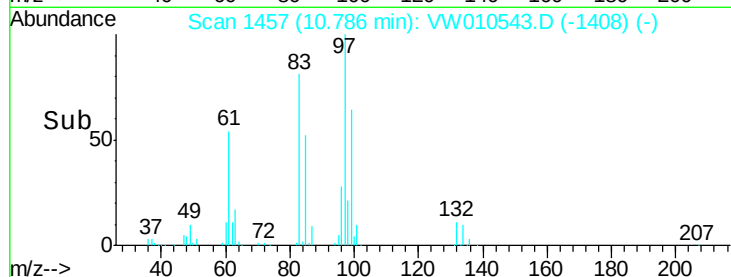
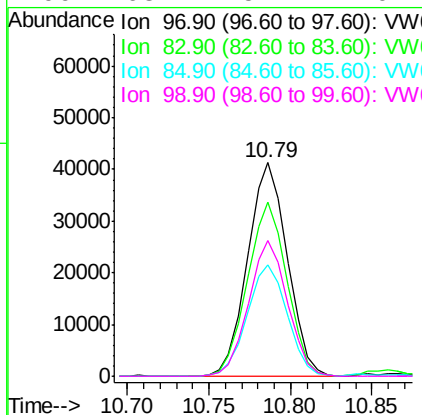
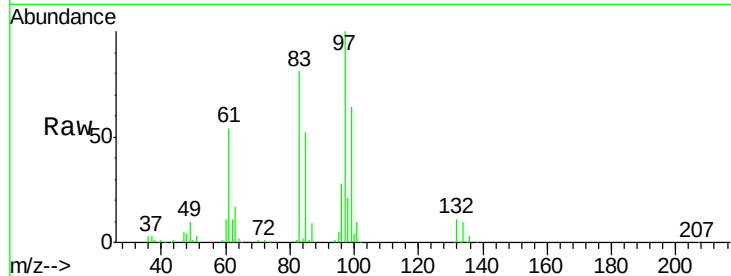
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	70020
Ion	Ratio	Lower	Upper
97	100		
83	81.5	66.1	99.1
85	52.2	44.2	66.4
99	63.7	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#56

Ethyl methacrylate

Concen: 47.337 ug/l

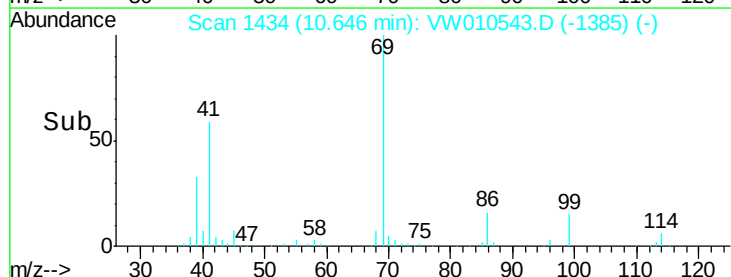
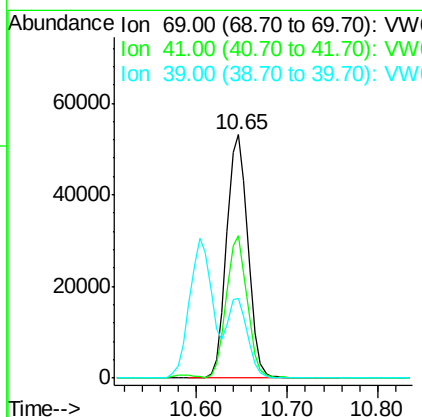
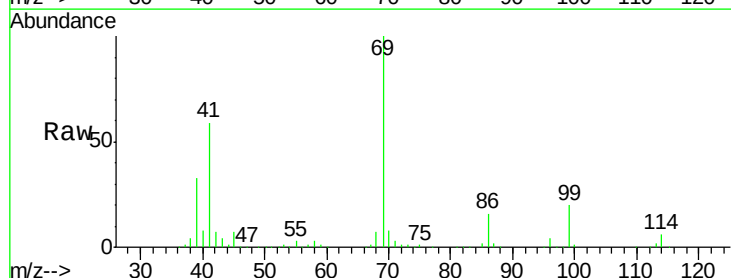
RT: 10.65 min Scan# 1434

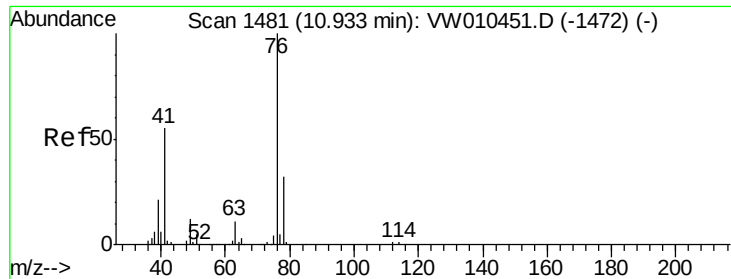
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	69	Resp:	86751
Ion	Ratio	Lower	Upper
69	100		
41	57.3	47.7	71.5
39	30.6	25.3	37.9





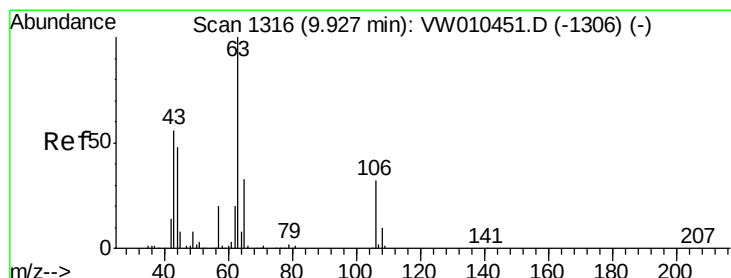
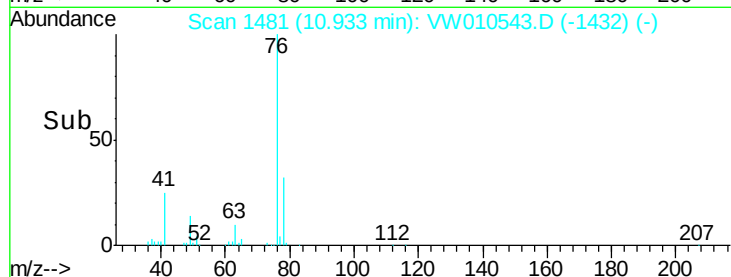
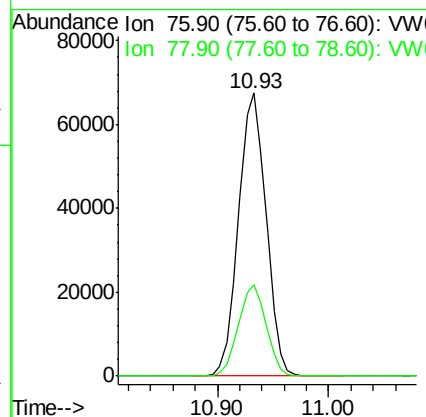
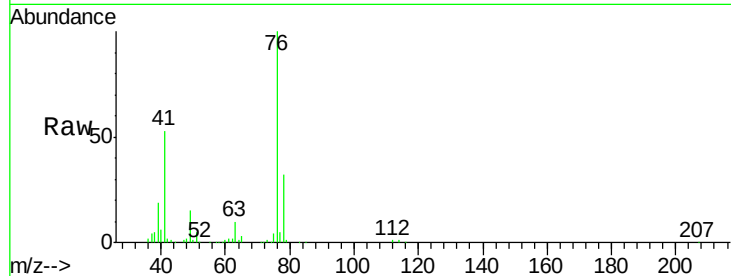
#57
 1,3-Dichloropropane
 Concen: 52.066 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 115888
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

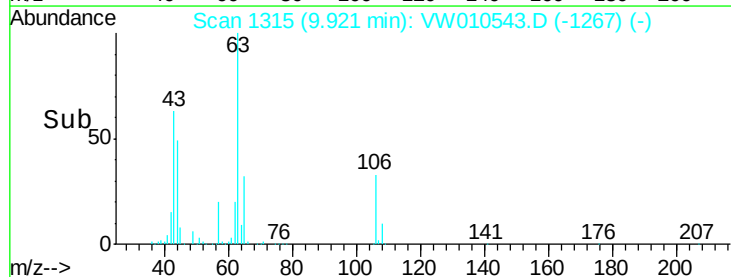
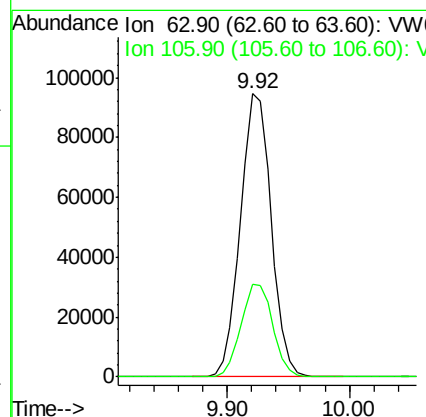
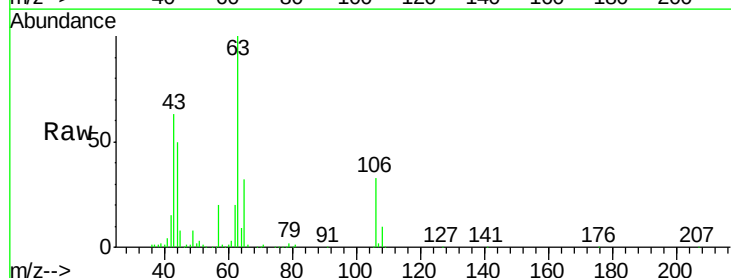
Manual Integrations
 APPROVED

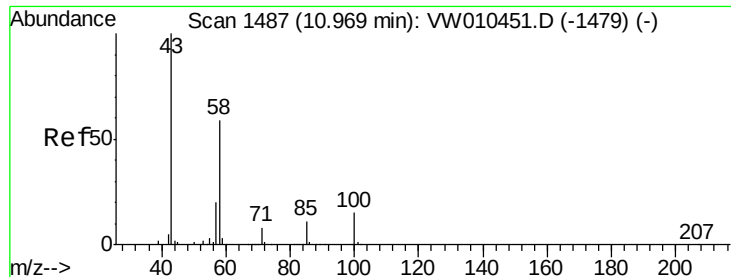
MMDadoda
 5/28/2019 12:01:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 202.719 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 63 Resp: 164551
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6





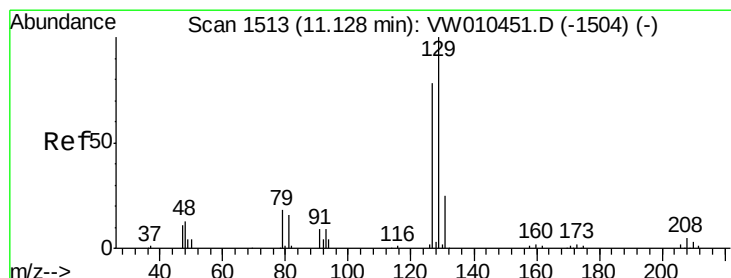
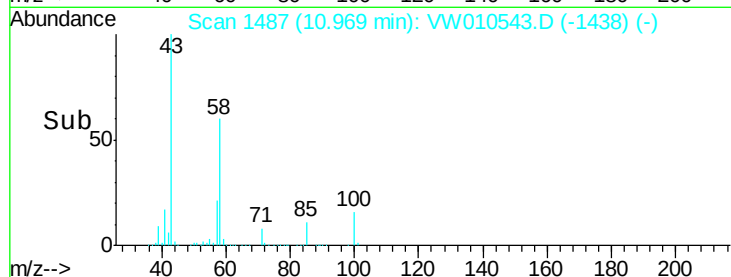
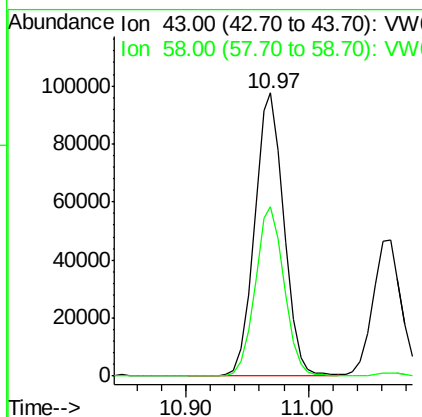
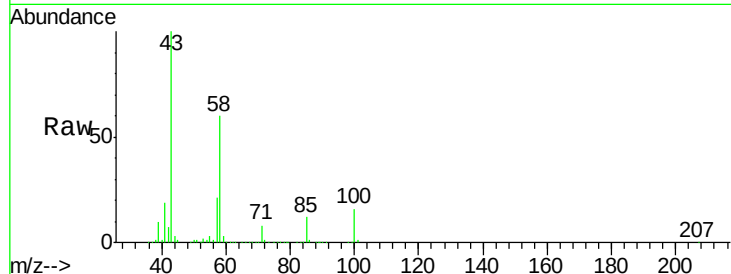
#59
2-Hexanone
Concen: 221.383 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 162726
Ion Ratio Lower Upper
43 100
58 59.1 28.9 86.8

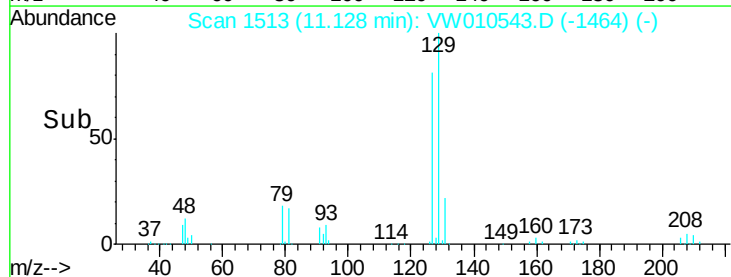
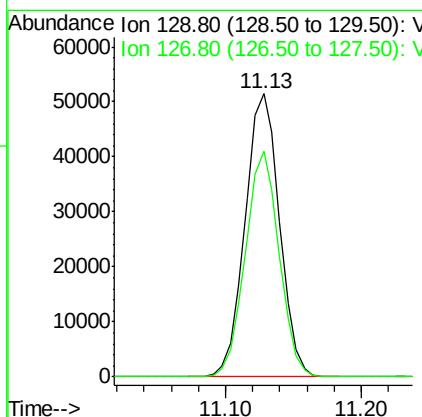
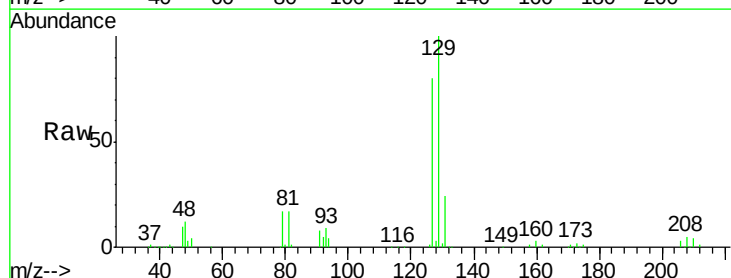
Manual Integrations
APPROVED

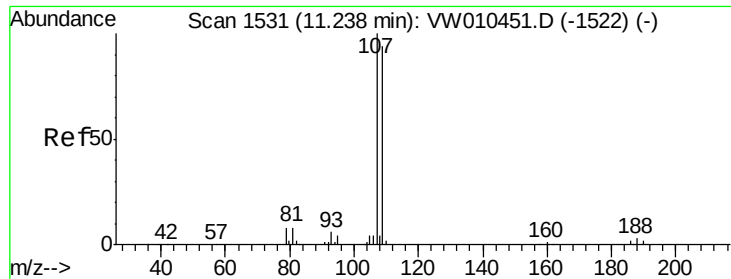
MMDadoda
5/28/2019 12:01:13 PM



#60
Dibromochloromethane
Concen: 54.220 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion: 129 Resp: 91182
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





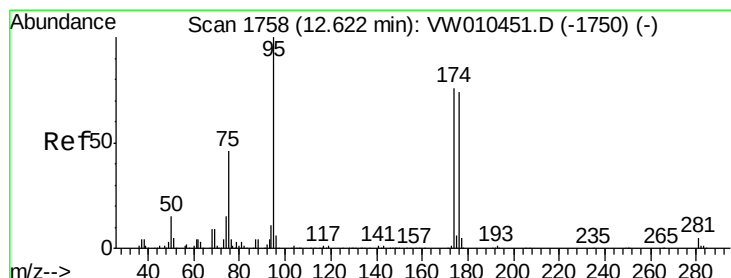
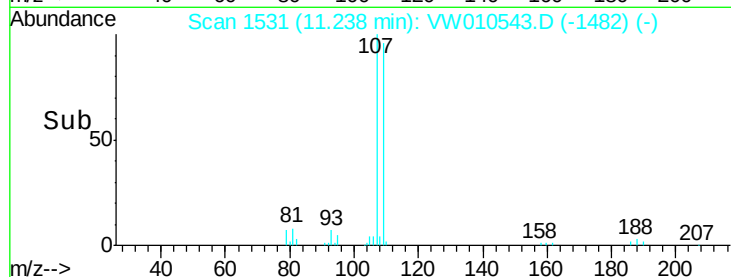
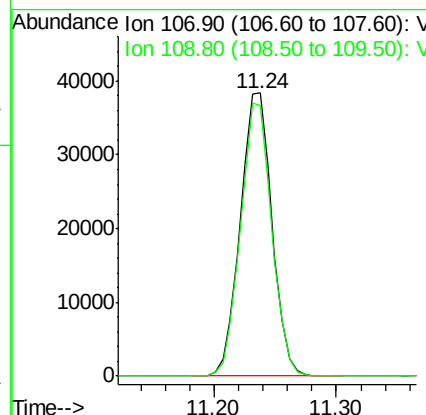
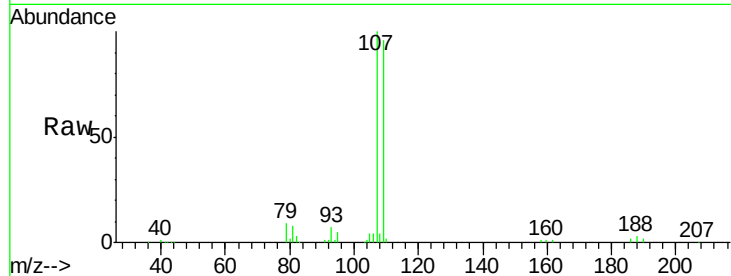
#61
 1,2-Dibromoethane
 Concen: 50.926 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.0	112.4

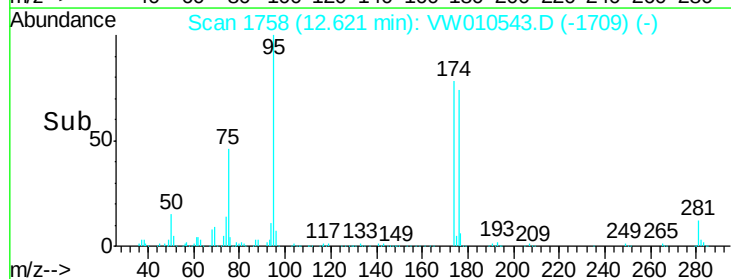
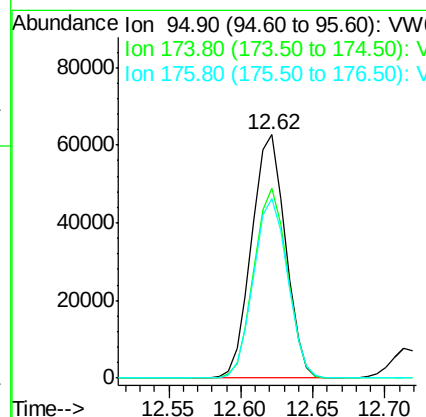
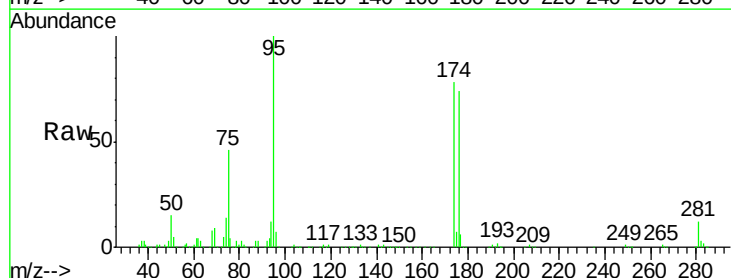
Manual Integrations
 APPROVED

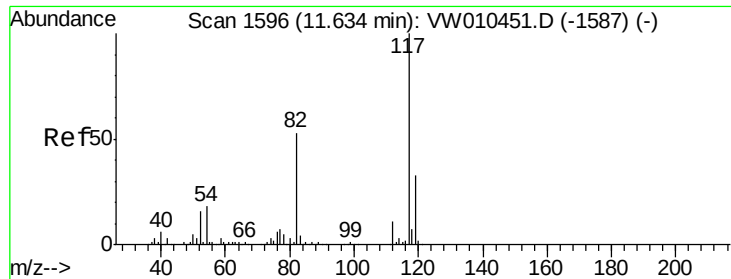
MMDadoda
 5/28/2019 12:01:13 PM



#62
 4-Bromofluorobenzene
 Concen: 42.969 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	148.6
176	74.4	0.0	144.2





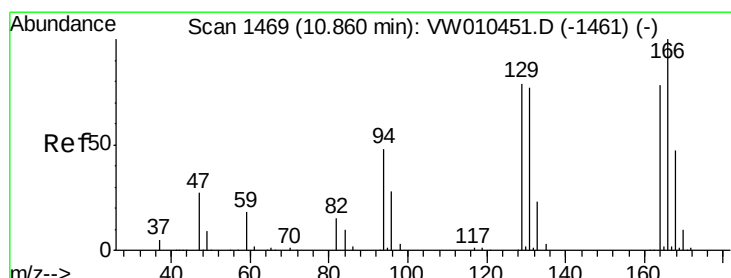
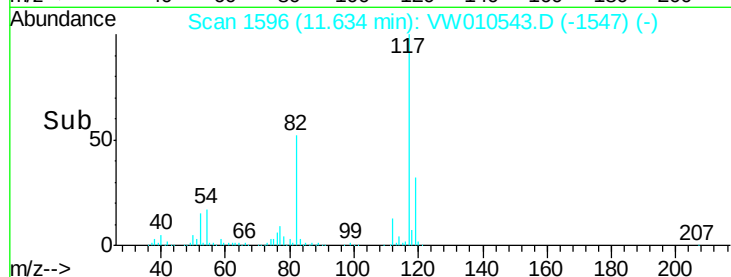
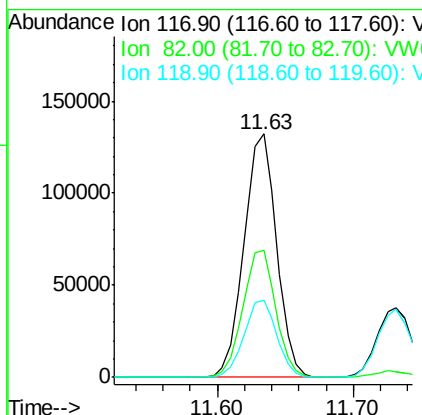
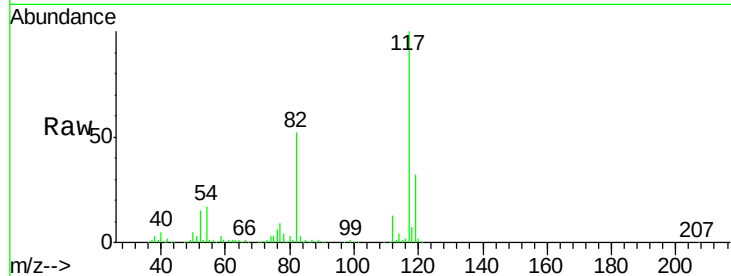
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	222491		
82	52.2	42.8	64.2	
119	31.6	26.3	39.5	

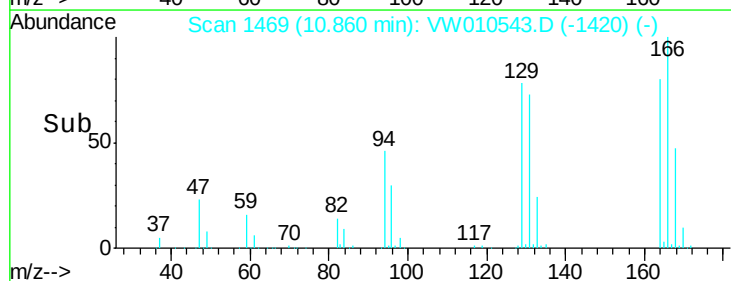
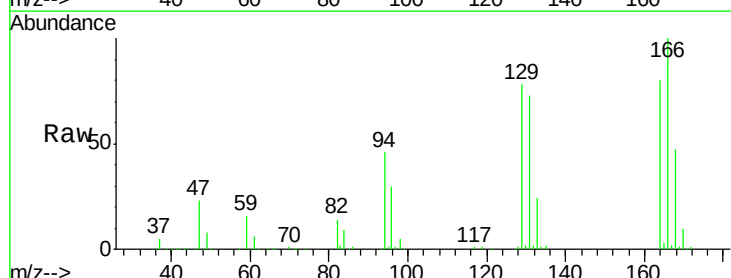
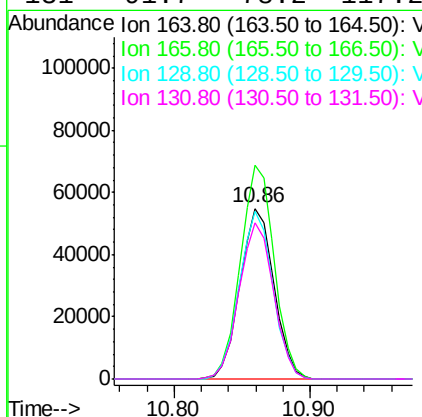
Manual Integrations
APPROVED

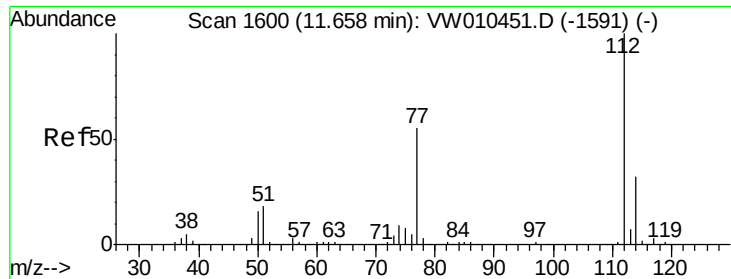
MMDadoda
5/28/2019 12:01:13 PM



#64
Tetrachloroethene
Concen: 61.648 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95615		
166	125.3	101.9	152.9	
129	98.3	80.6	121.0	
131	91.7	78.2	117.2	





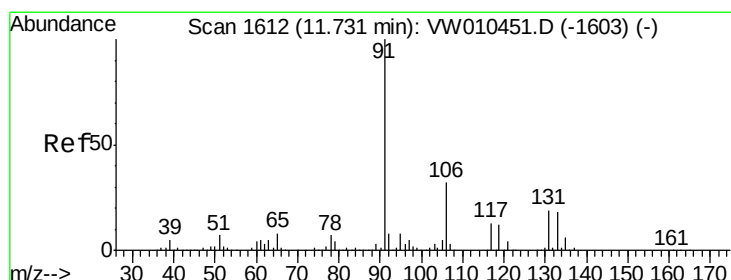
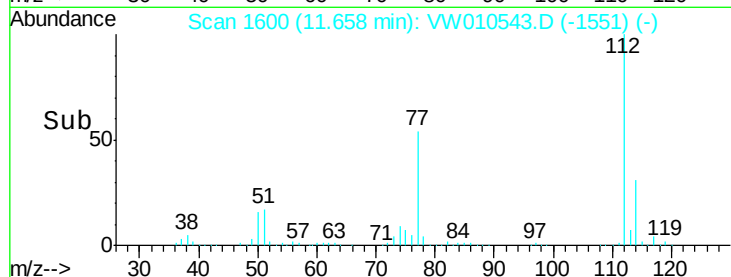
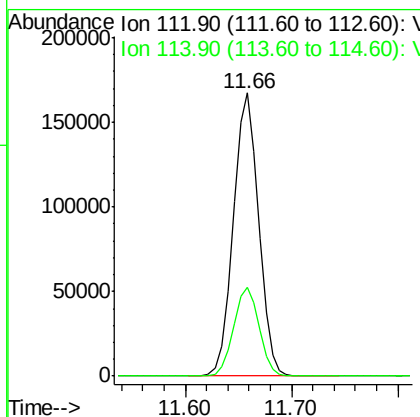
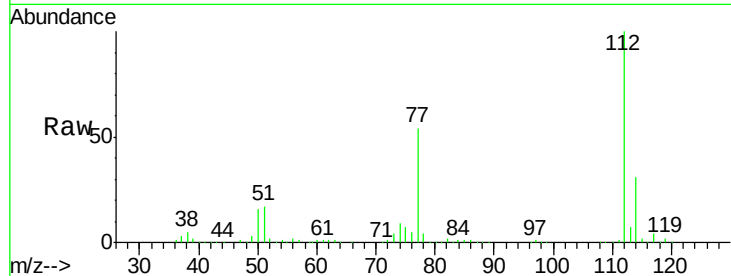
#65
Chlorobenzene
Concen: 58.882 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 279205
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9

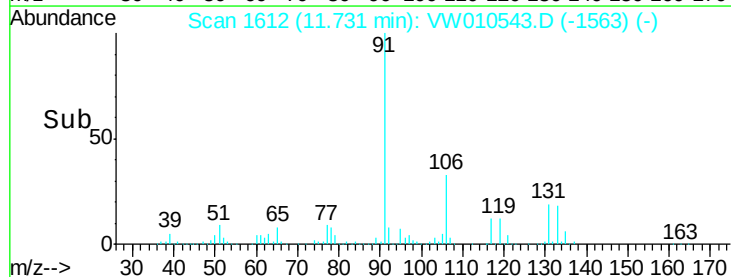
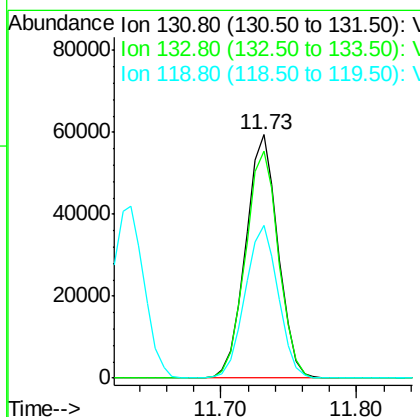
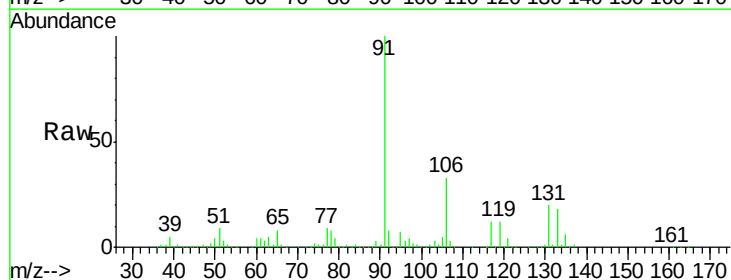
Manual Integrations
APPROVED

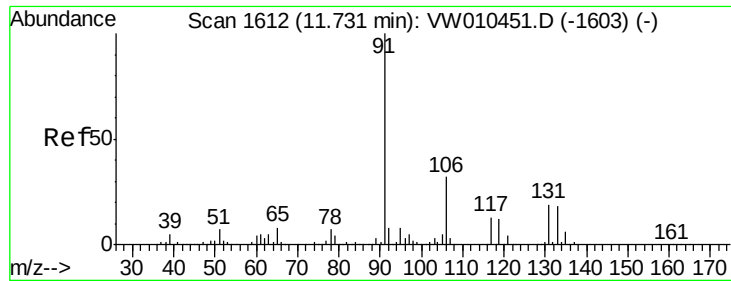
MMDadoda
5/28/2019 12:01:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.162 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion:131 Resp: 98796
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 63.9 32.1 96.5





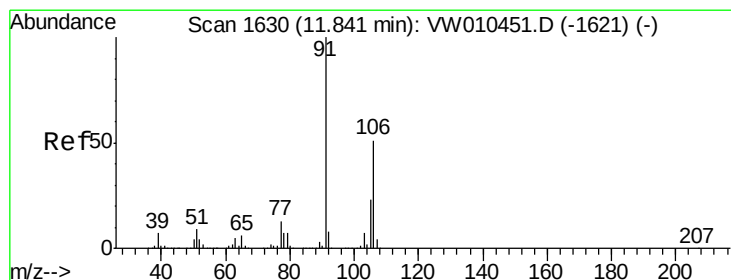
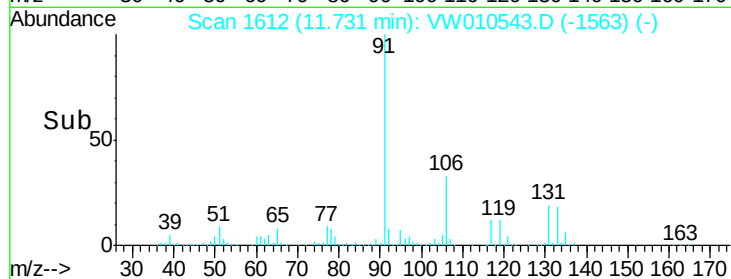
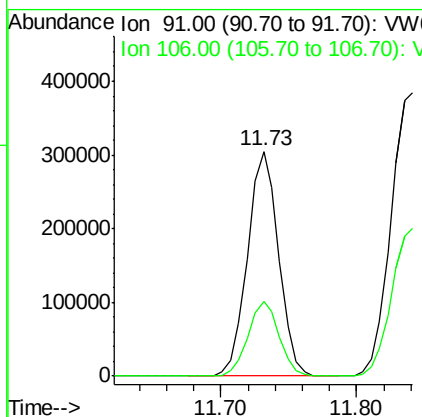
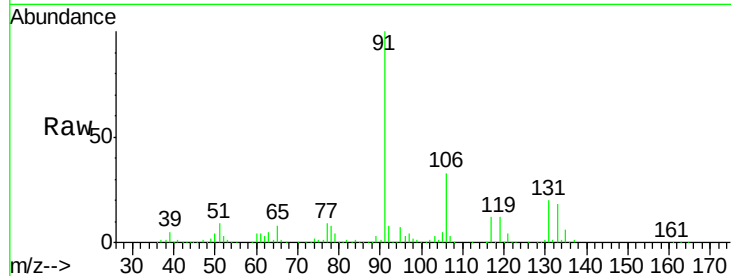
#67
Ethyl Benzene
Concen: 58.277 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		487889		
106	33.2	25.9		38.9	

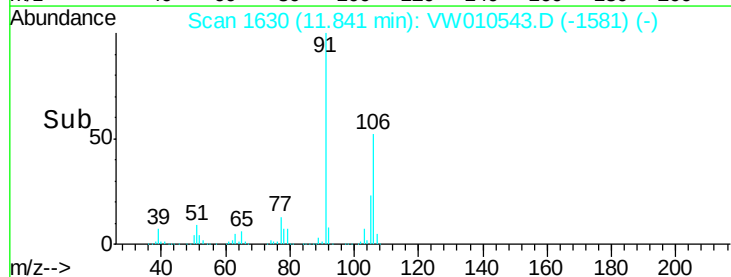
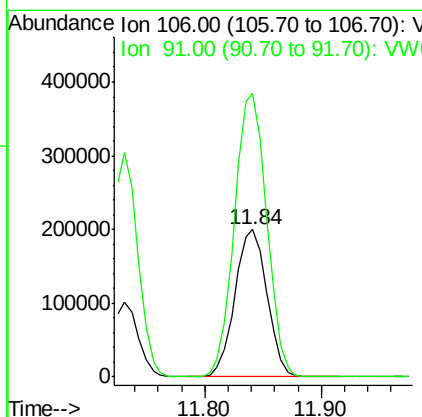
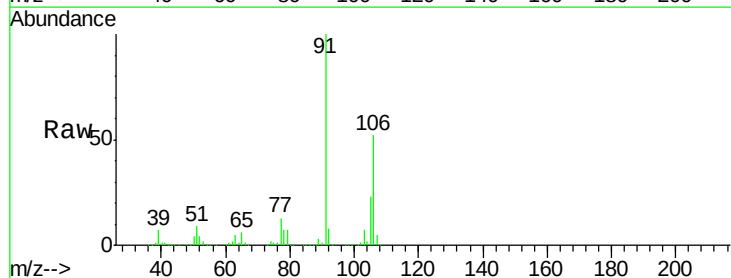
Manual Integrations
APPROVED

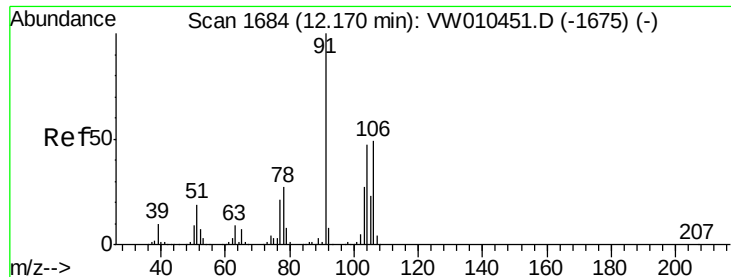
MMDadoda
5/28/2019 12:01:13 PM



#68
m/p-Xylenes
Concen: 116.585 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		382829		
91	193.8	156.0		234.0	





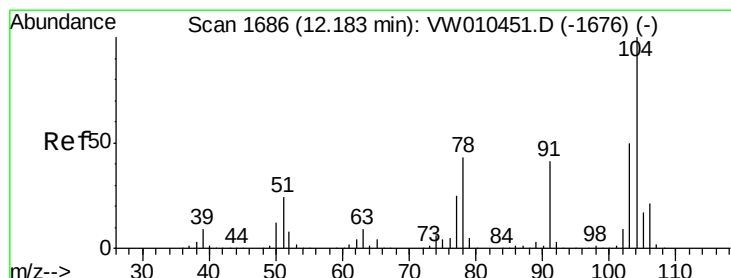
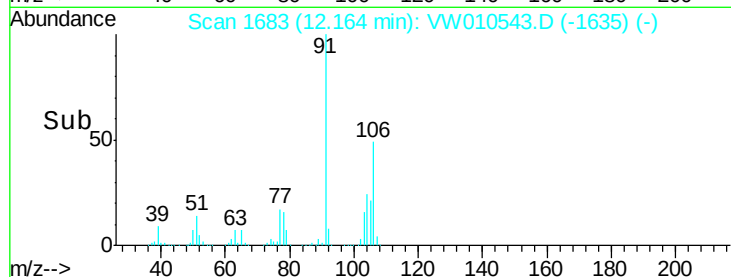
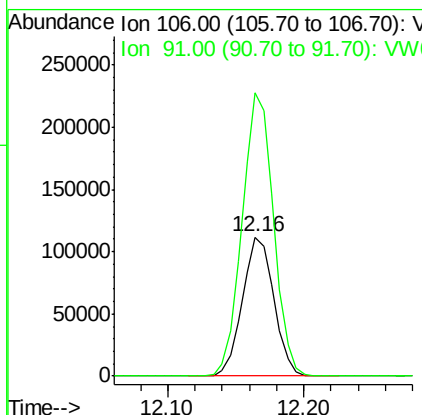
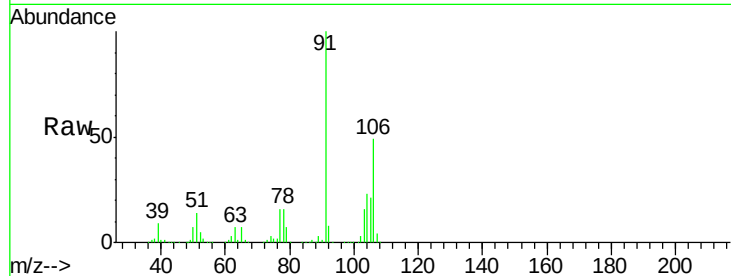
#69
o-Xylene
Concen: 58.072 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.9	103.2	309.4

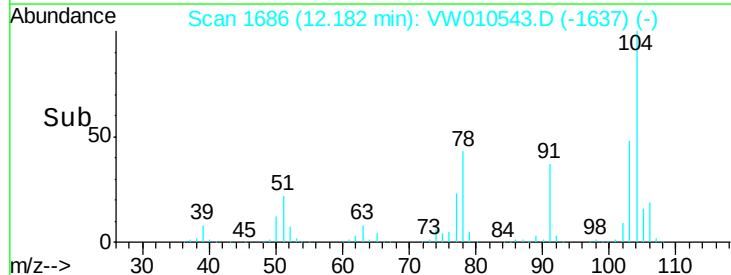
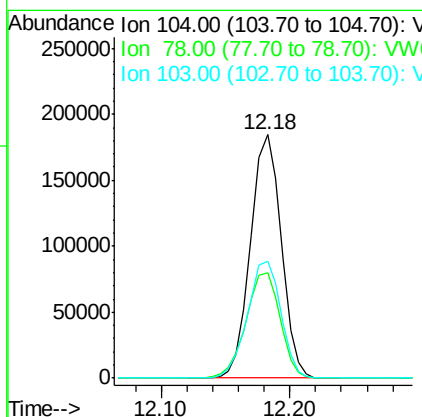
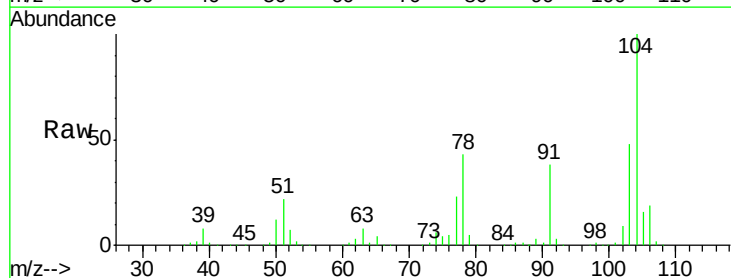
Manual Integrations
APPROVED

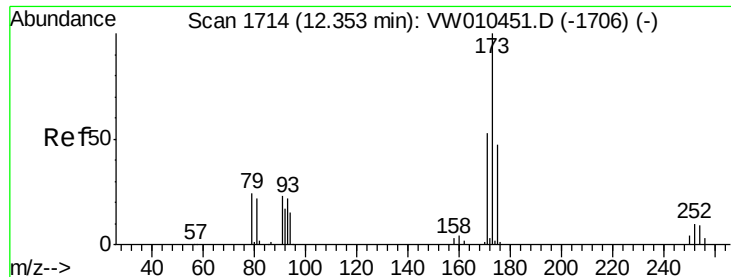
MMDadoda
5/28/2019 12:01:13 PM



#70
Styrene
Concen: 57.572 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	39.0	58.4
103	52.6	43.0	64.6





#71

Bromoform

Concen: 51.303 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 47989

Ion Ratio Lower Upper

173 100

175 49.5 24.4 73.4

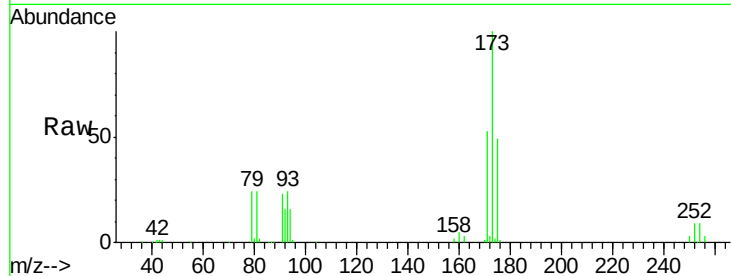
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

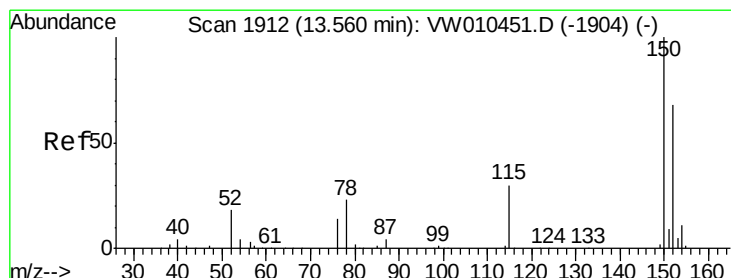
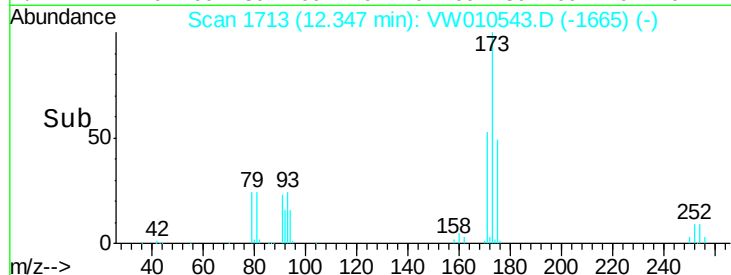
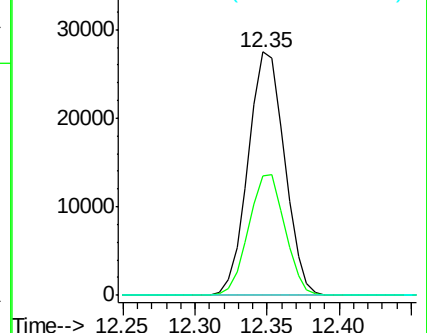
5/28/2019 12:01:13 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

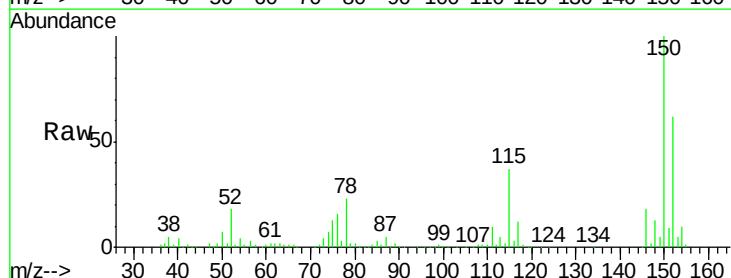
Tgt Ion:152 Resp: 105687

Ion Ratio Lower Upper

152 100

115 58.6 30.3 91.0

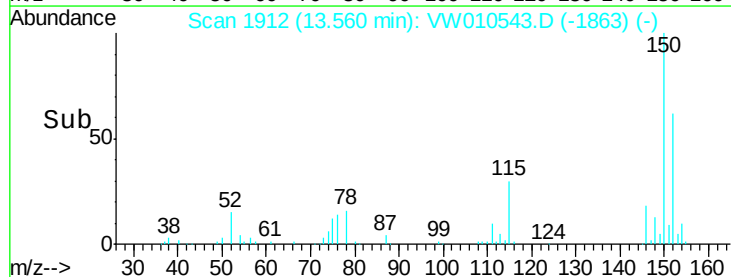
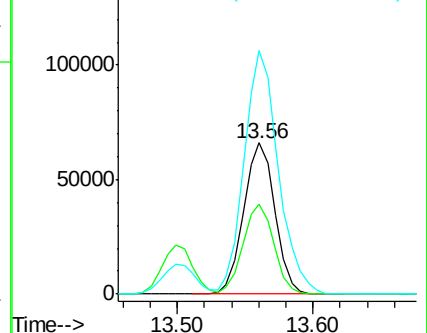
150 176.2 0.0 349.8

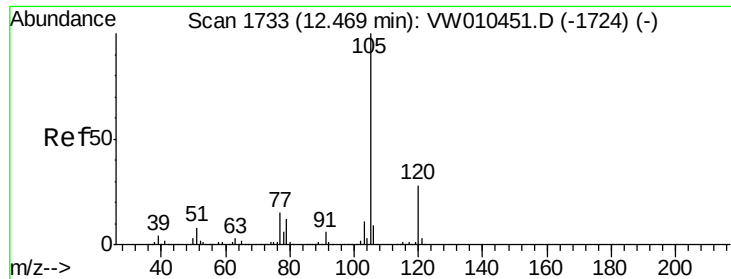


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.290 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 497238

Ion Ratio Lower Upper

105 100

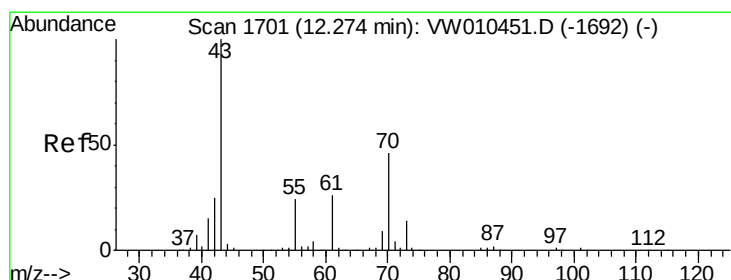
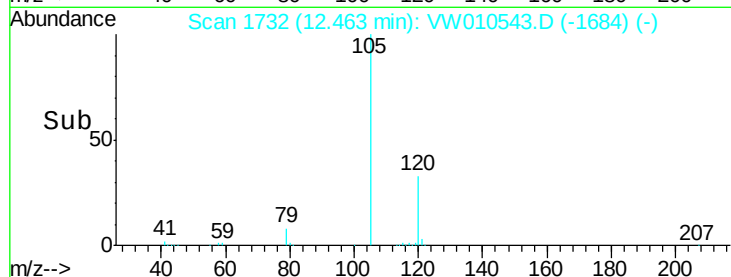
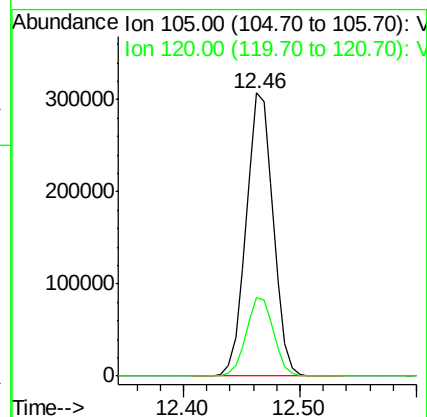
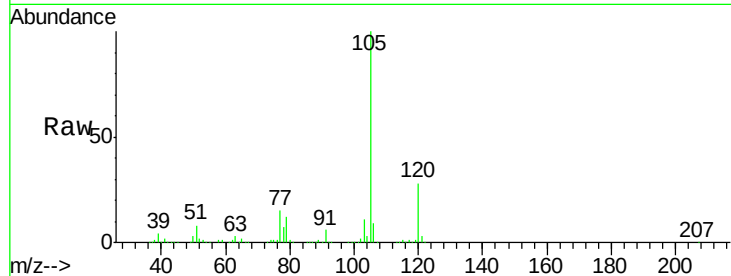
120 28.0 13.9 41.7

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#74

N-ethyl acetate

Concen: 43.562 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion: 43 Resp: 83718

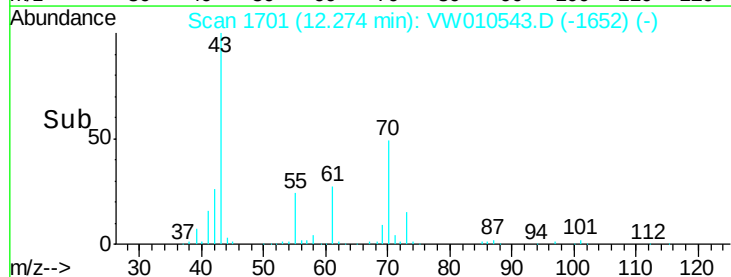
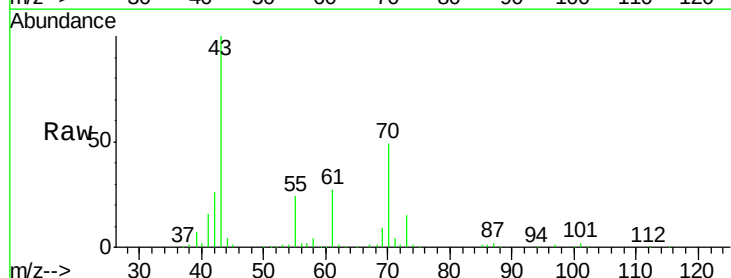
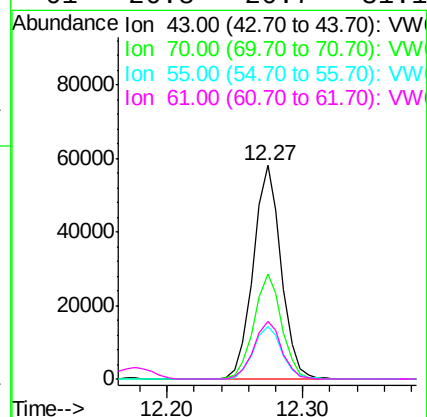
Ion Ratio Lower Upper

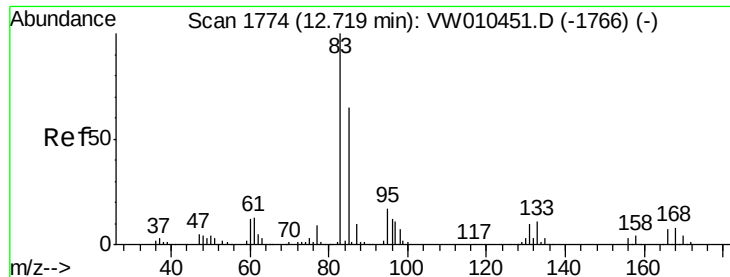
43 100

70 48.7 37.1 55.7

55 25.1 19.6 29.4

61 26.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.108 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

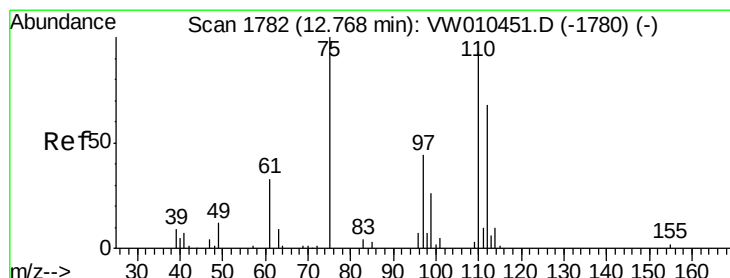
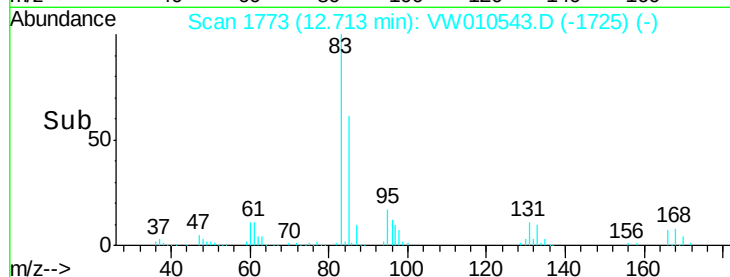
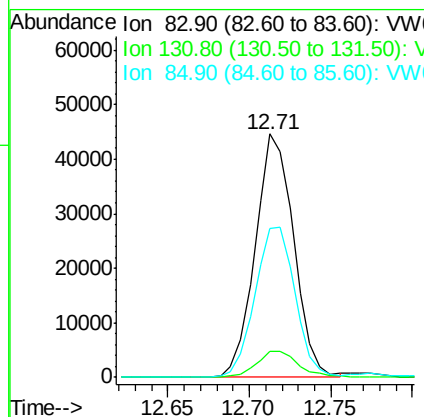
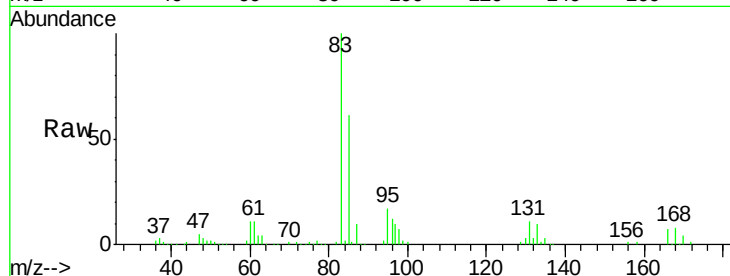
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	73384
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	64.3	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#76

1,2,3-Trichloropropane

Concen: 47.464 ug/l m

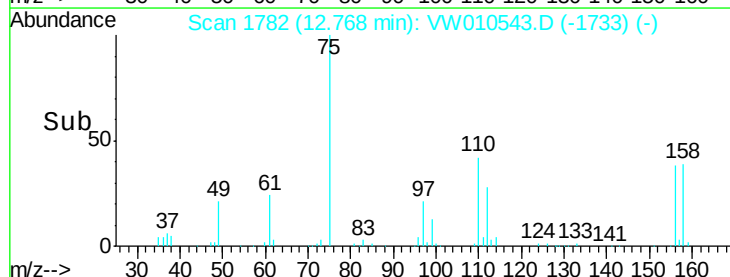
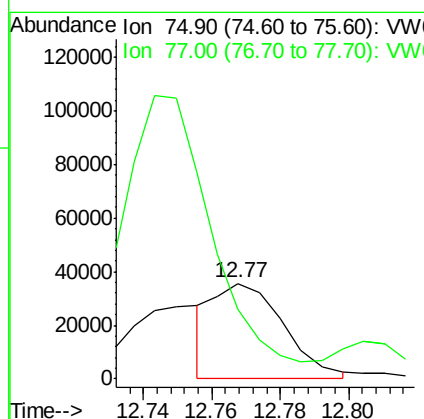
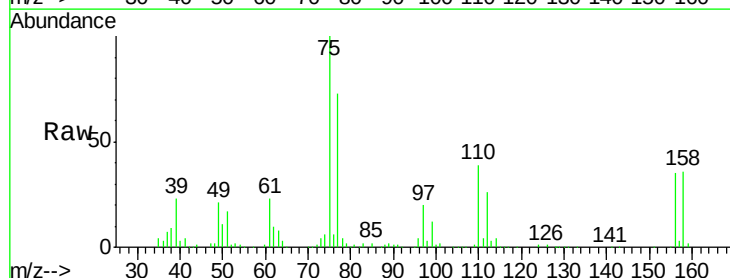
RT: 12.77 min Scan# 1782

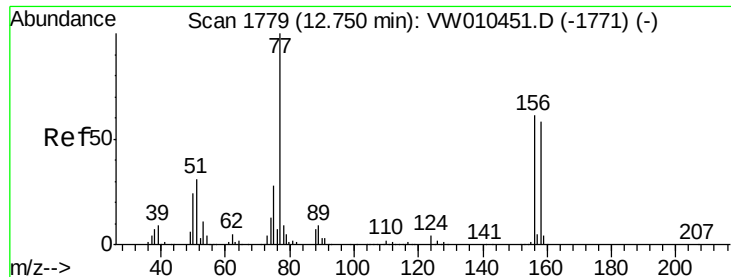
Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Tgt Ion:	75	Resp:	50919
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





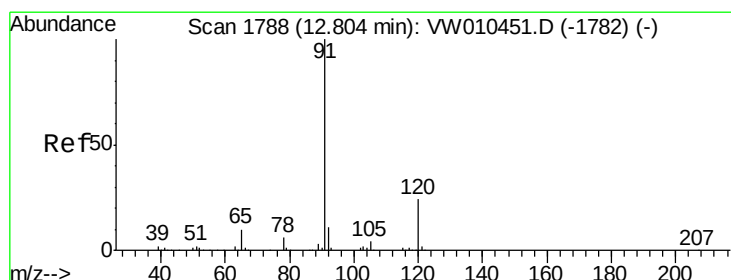
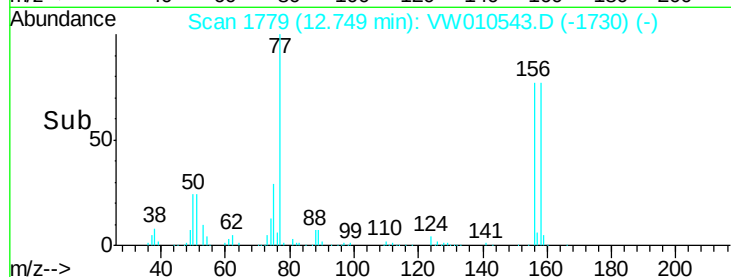
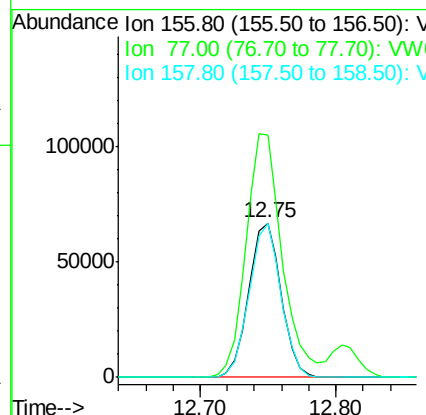
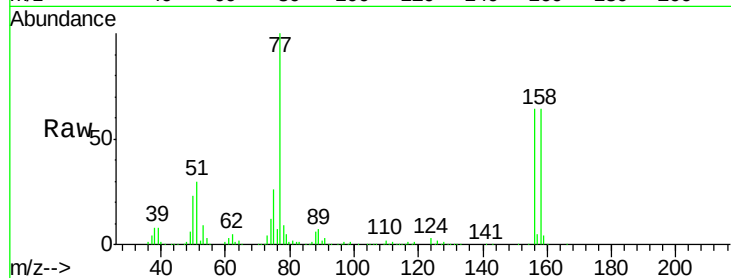
#77
Bromobenzene
Concen: 59.368 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.9	92.4	277.2
158	98.0	48.3	144.8

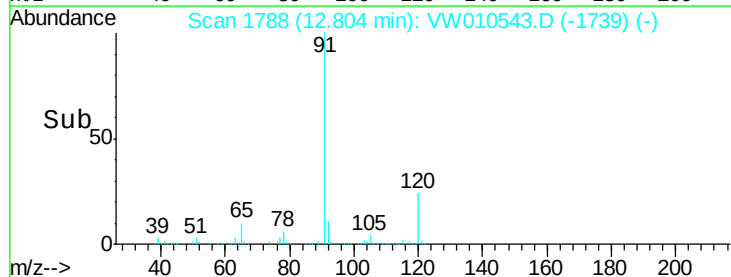
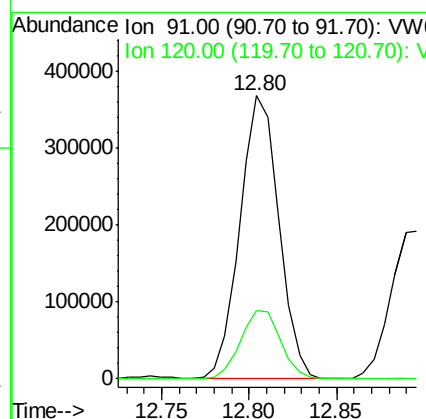
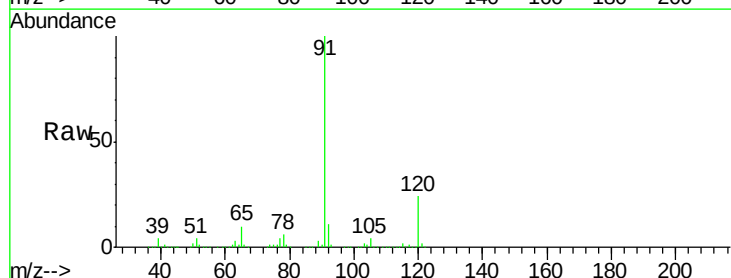
Manual Integrations
APPROVED

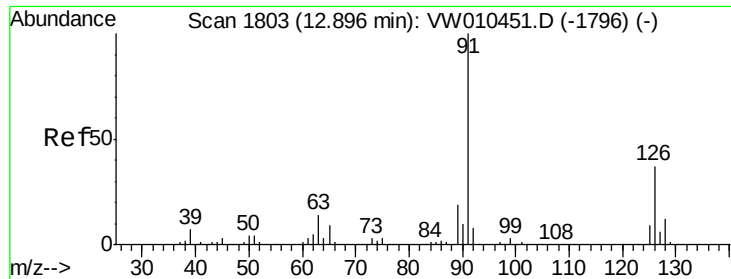
MMDadoda
5/28/2019 12:01:13 PM



#78
n-propylbenzene
Concen: 58.397 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





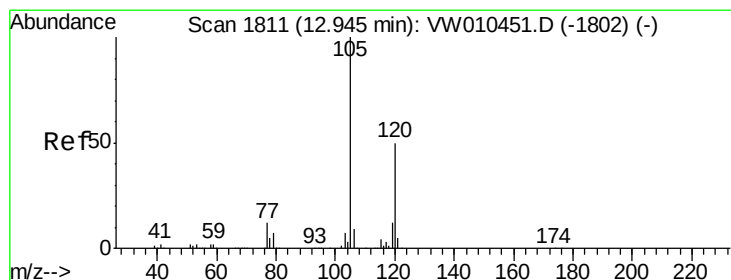
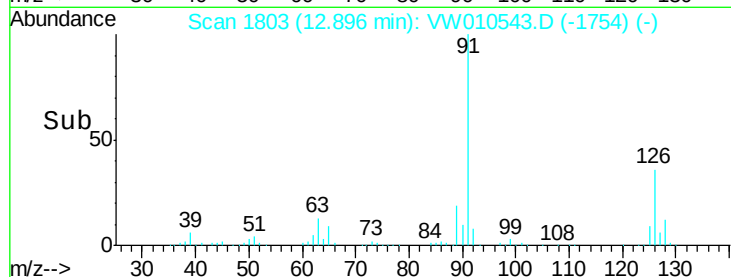
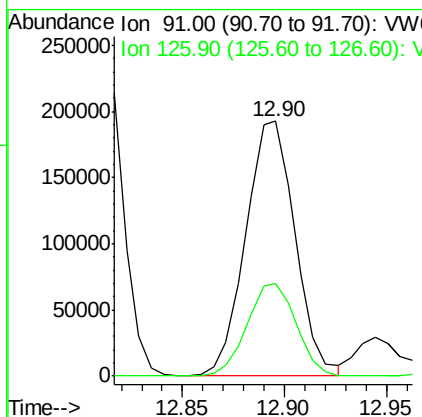
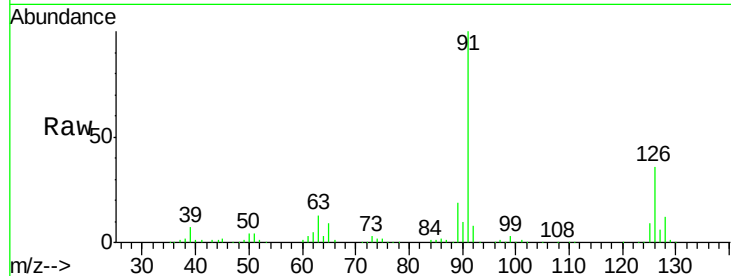
#79
 2-Chlorotoluene
 Concen: 57.356 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 325089
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.4 52.3

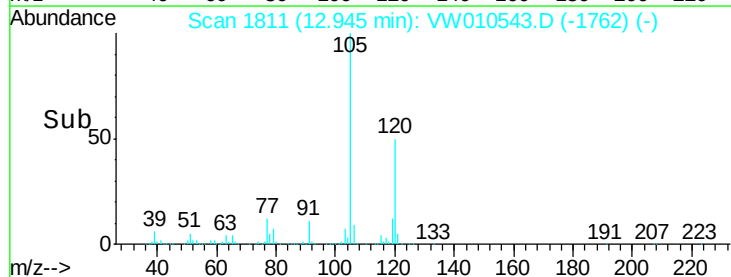
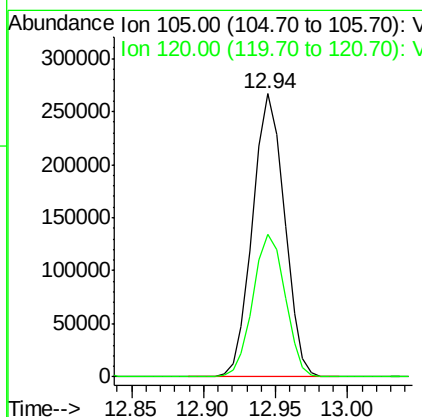
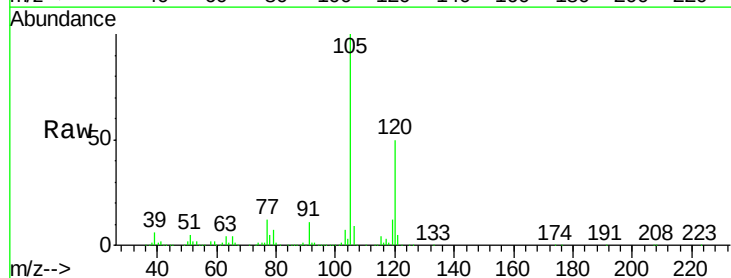
Manual Integrations
 APPROVED

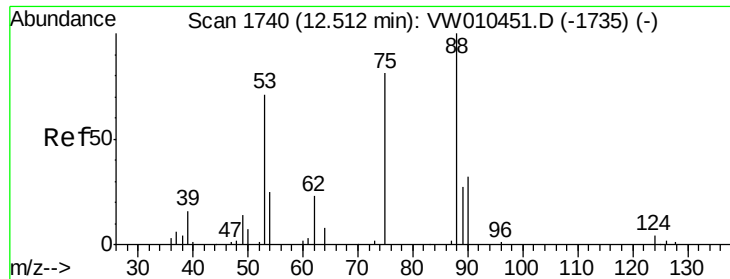
MMDadoda
 5/28/2019 12:01:13 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 57.587 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion: 105 Resp: 409041
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.2 75.6





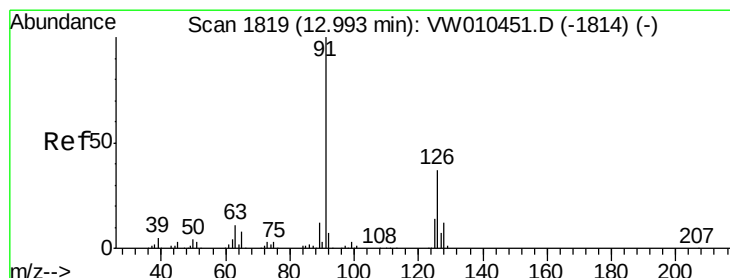
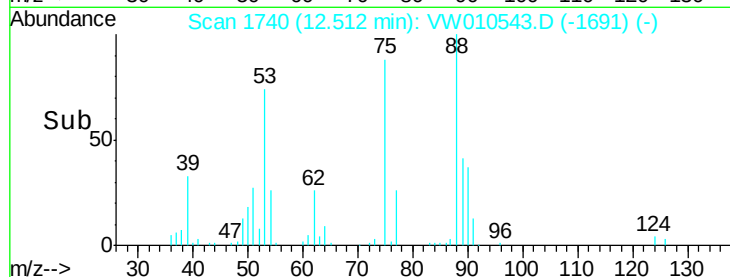
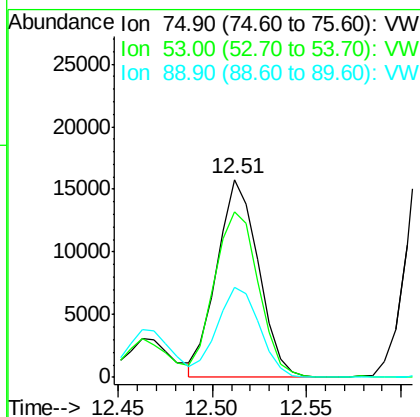
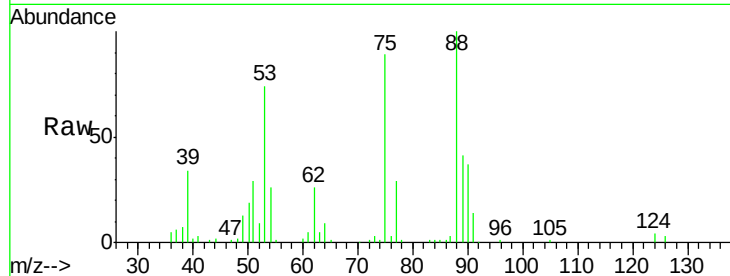
#81
trans-1,4-Dichloro-2-butene
Concen: 47.151 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	69.8	104.8
89	47.0	39.5	59.3

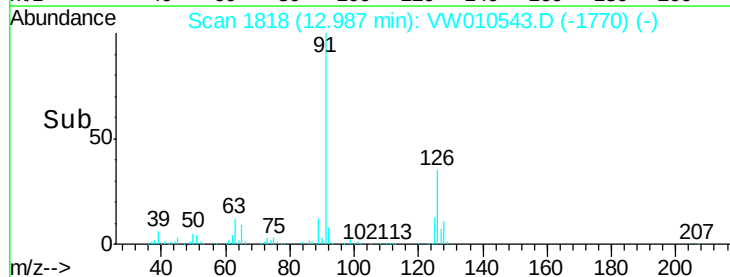
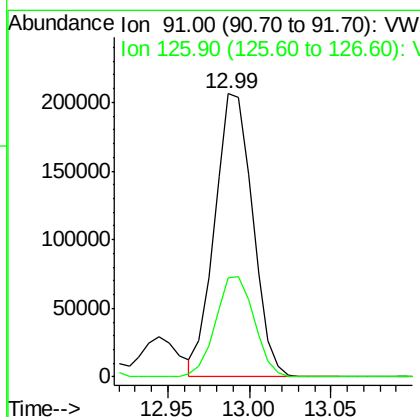
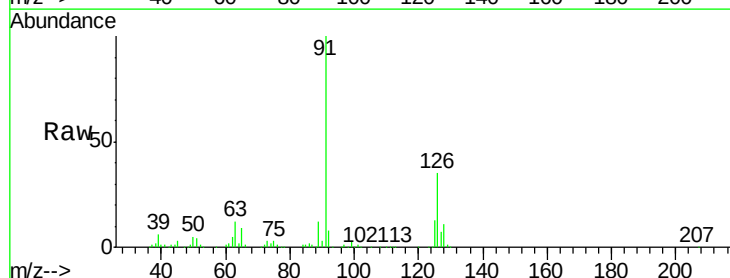
Manual Integrations
APPROVED

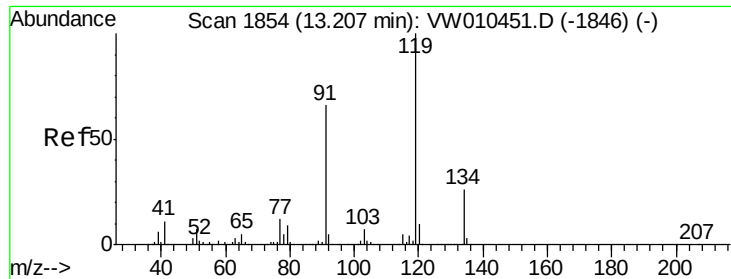
MMDadoda
5/28/2019 12:01:13 PM



#82
4-Chlorotoluene
Concen: 56.806 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.6





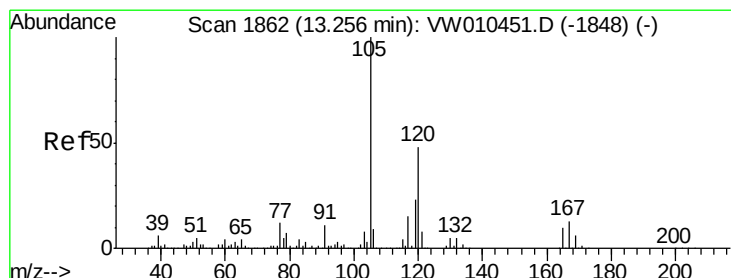
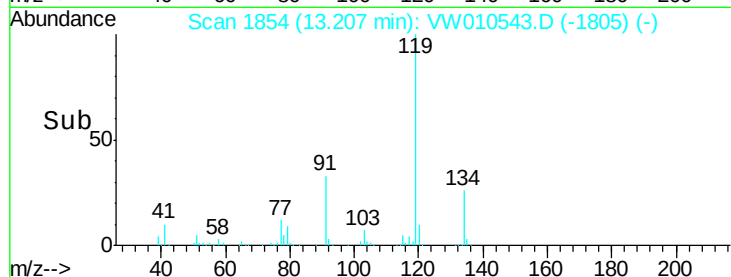
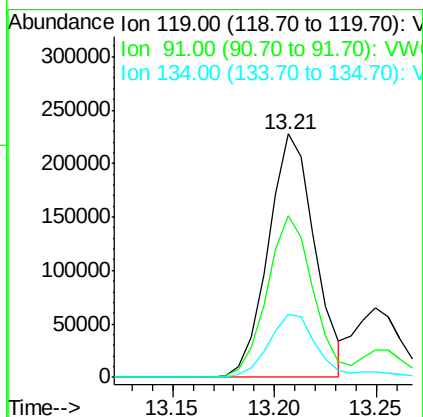
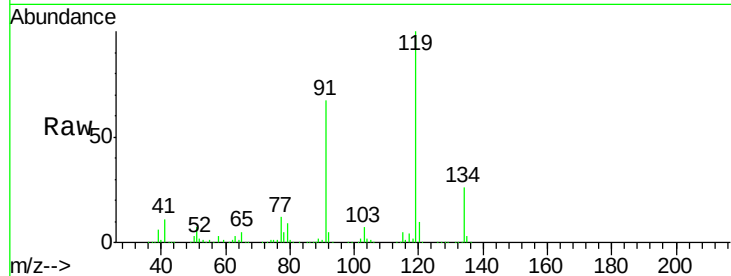
#83
 tert-Butylbenzene
 Concen: 58.100 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	360479		
91	66.4		33.1	99.5
134	28.1		13.9	41.6

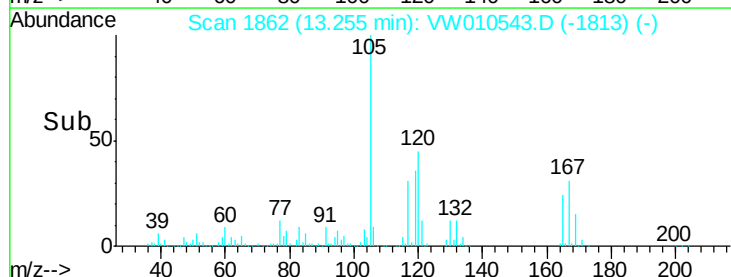
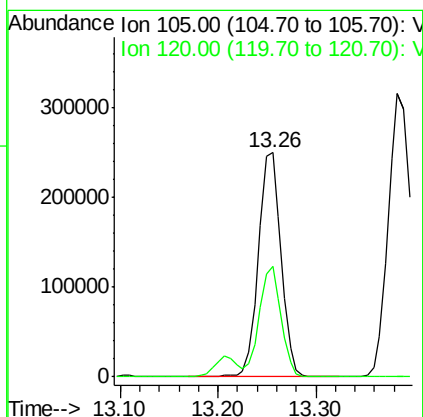
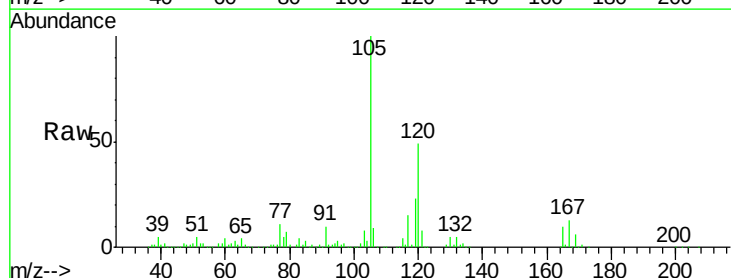
Manual Integrations
 APPROVED

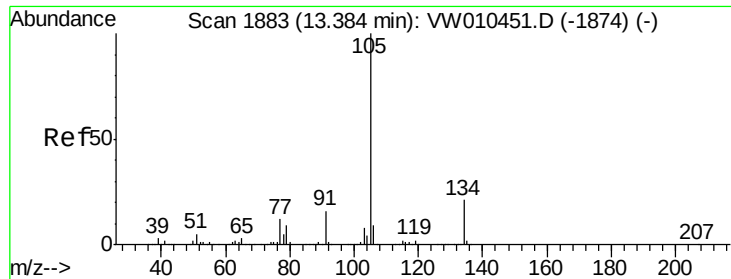
MMDadoda
 5/28/2019 12:01:13 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.610 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	400476		
120	47.4		23.4	70.2





#85

sec-Butylbenzene

Concen: 58.091 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 504390

Ion Ratio Lower Upper

105 100

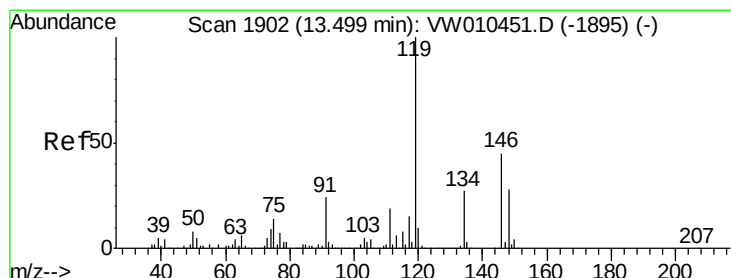
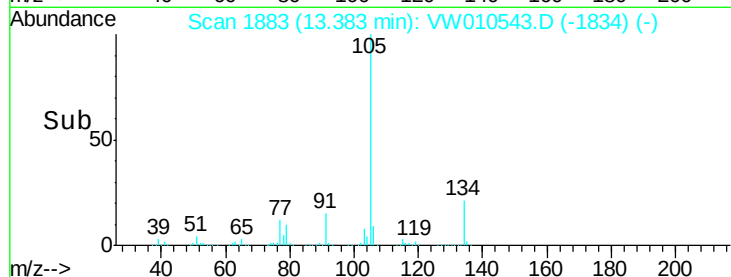
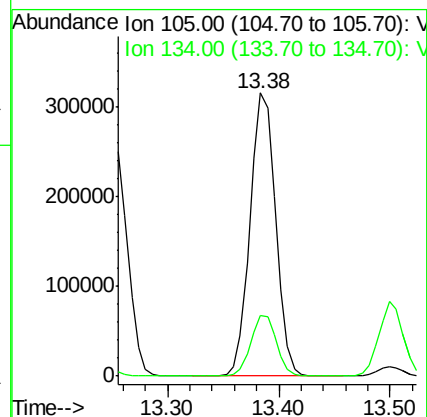
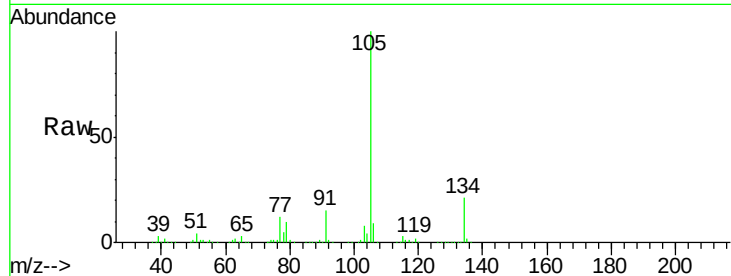
134 21.4 10.5 31.6

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:13 PM



#86

p-Isopropyltoluene

Concen: 57.590 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010543.D

Acq: 24 May 2019 10:49

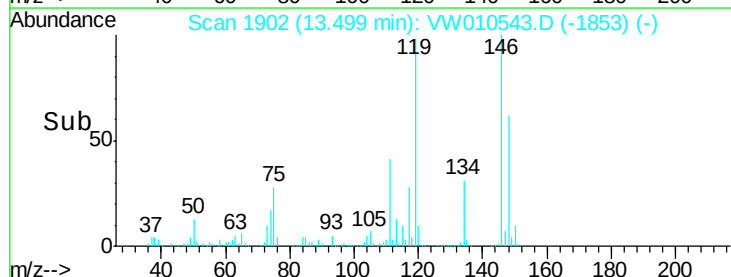
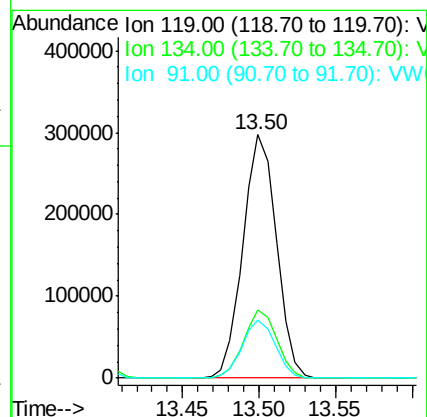
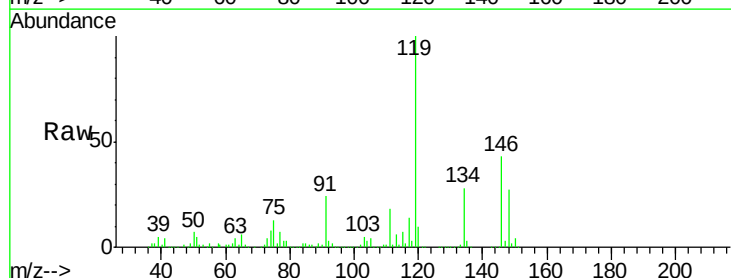
Tgt Ion:119 Resp: 452600

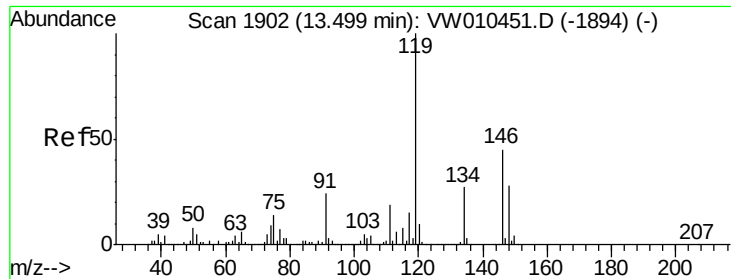
Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

91 23.7 11.9 35.7





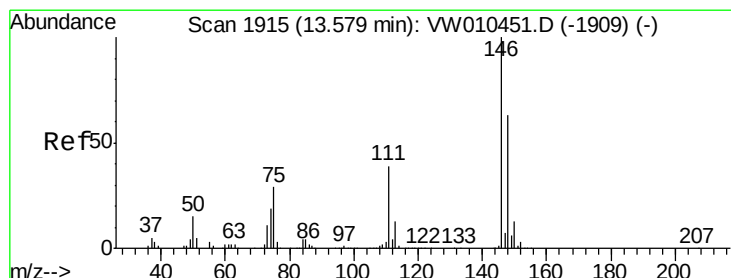
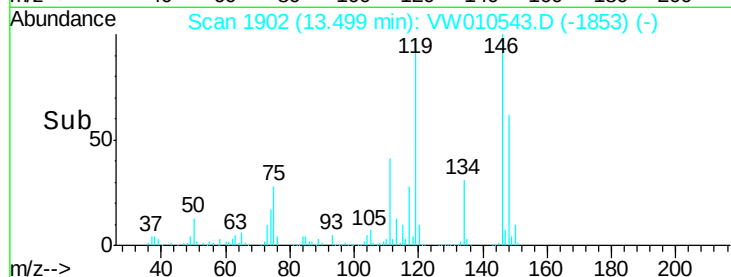
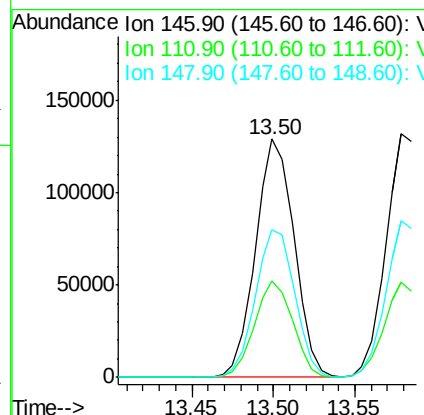
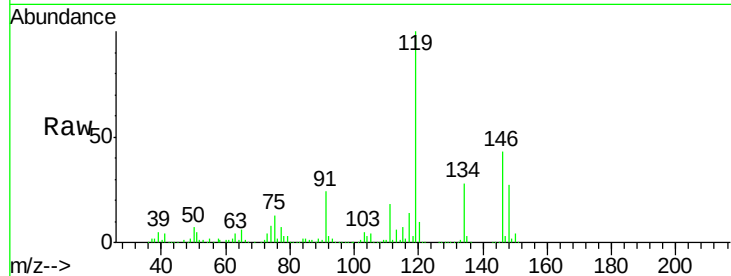
#87
 1,3-Dichlorobenzene
 Concen: 57.805 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	63.2	31.6	94.8

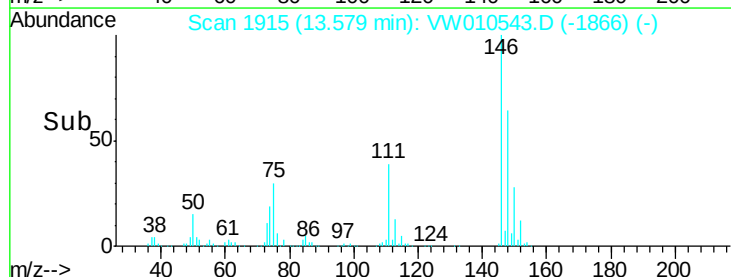
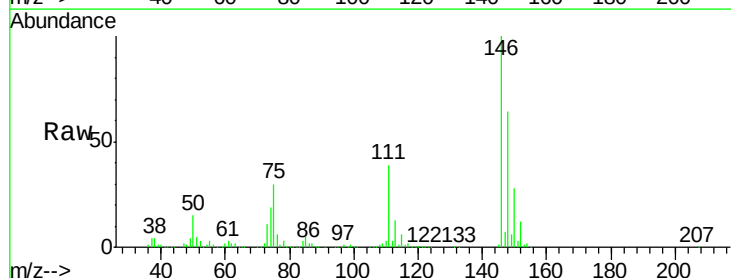
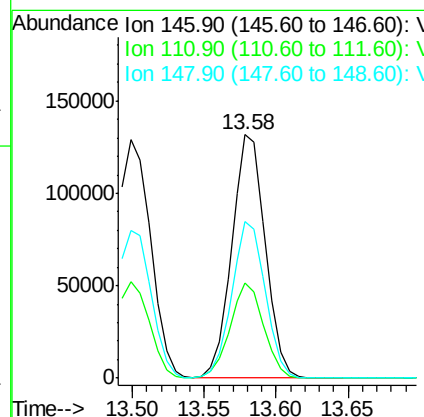
Manual Integrations
 APPROVED

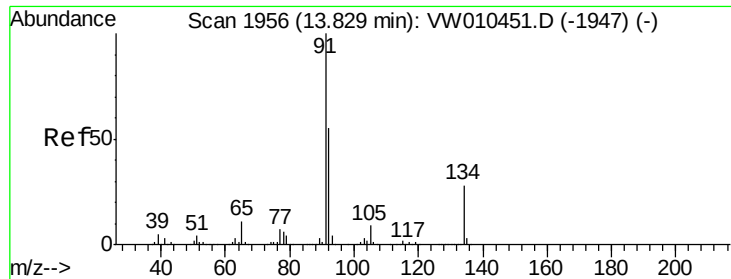
MMDadoda
 5/28/2019 12:01:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 57.933 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	64.3	31.6	94.8





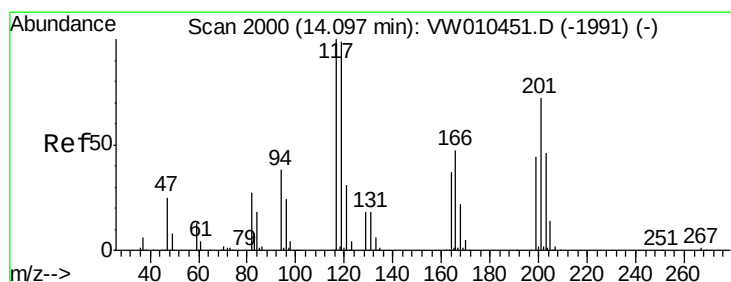
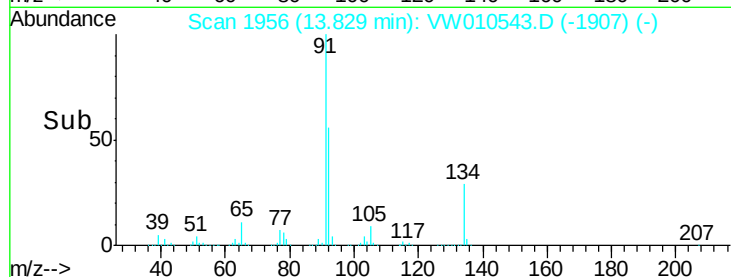
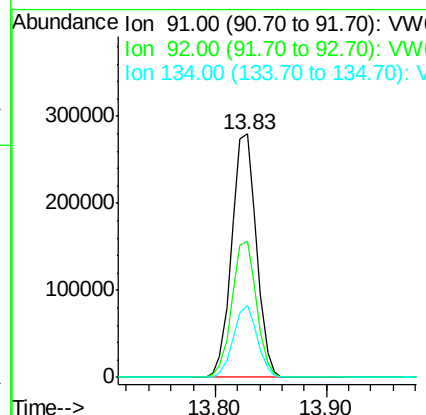
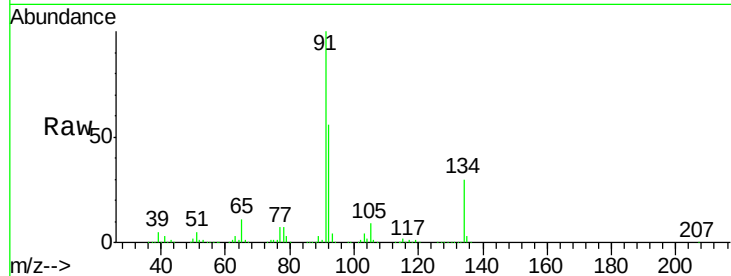
#89
n-Butylbenzene
Concen: 57.192 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.1
134	28.6	13.9	41.6

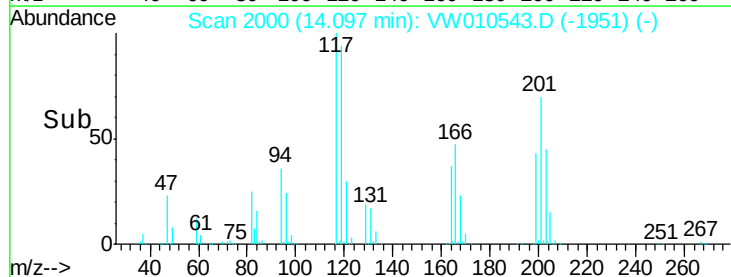
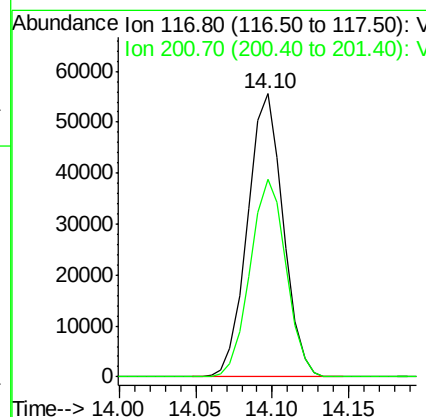
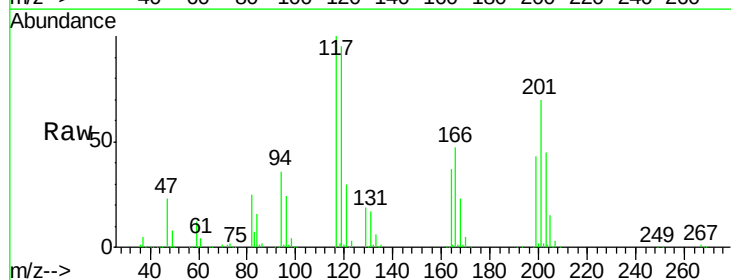
Manual Integrations
APPROVED

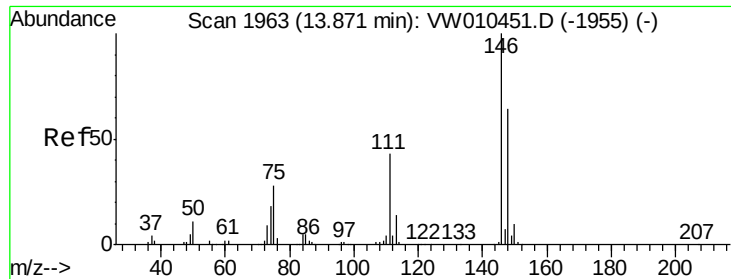
MMDadoda
5/28/2019 12:01:13 PM



#90
Hexachloroethane
Concen: 59.238 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.6	103.8





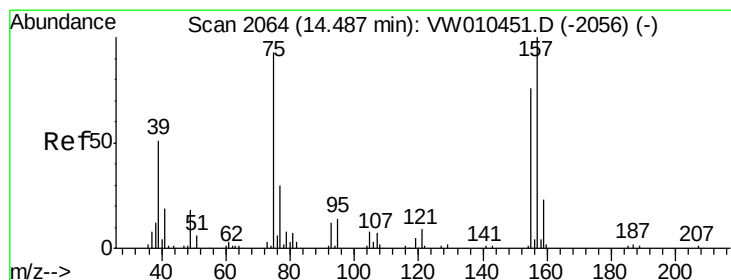
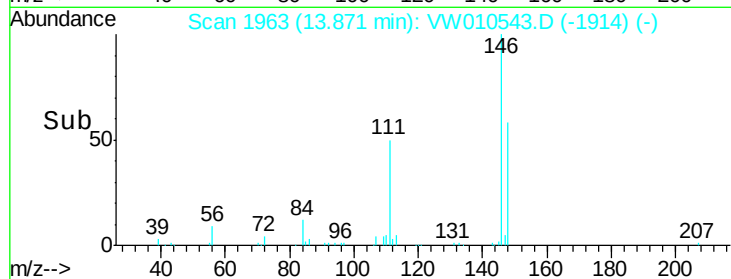
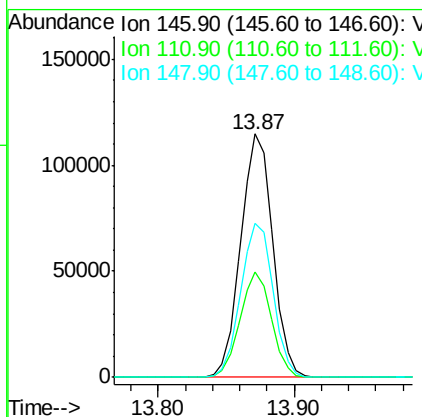
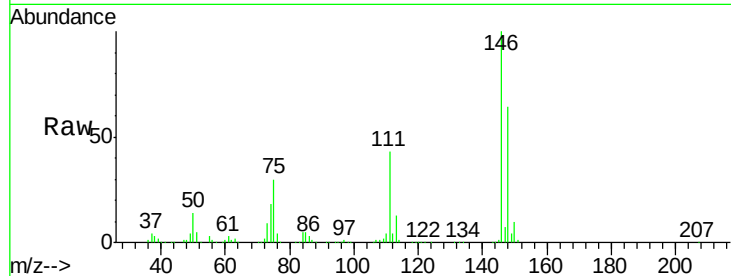
#91
 1,2-Dichlorobenzene
 Concen: 56.139 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	64.1	32.0	96.0

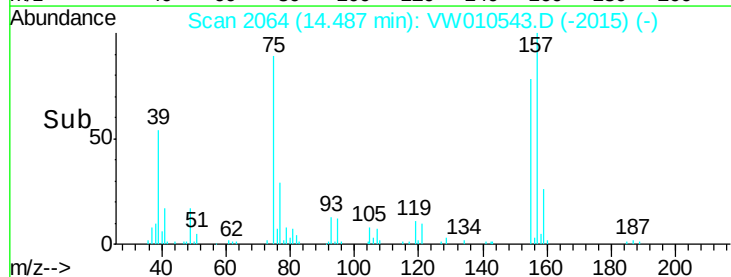
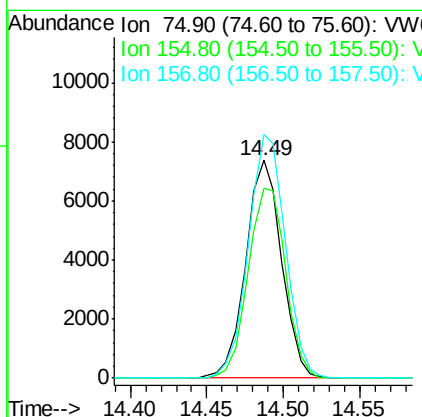
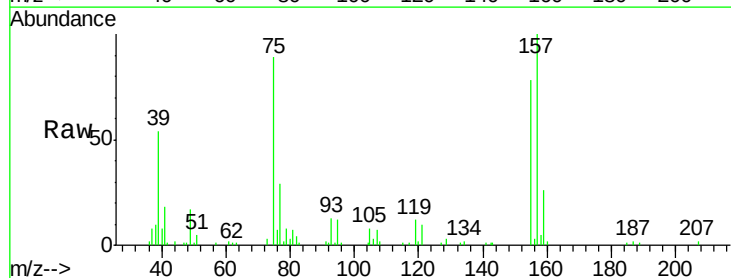
Manual Integrations
 APPROVED

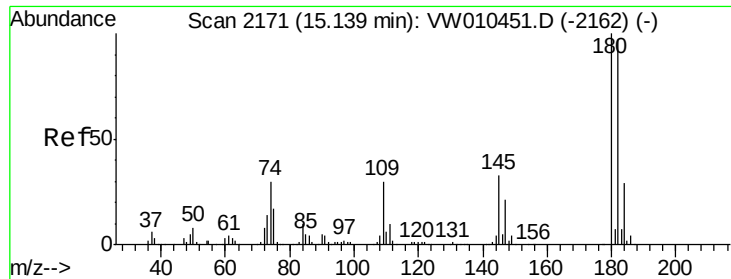
MMDadoda
 5/28/2019 12:01:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.367 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	43.0	129.0
157	115.6	55.7	167.1





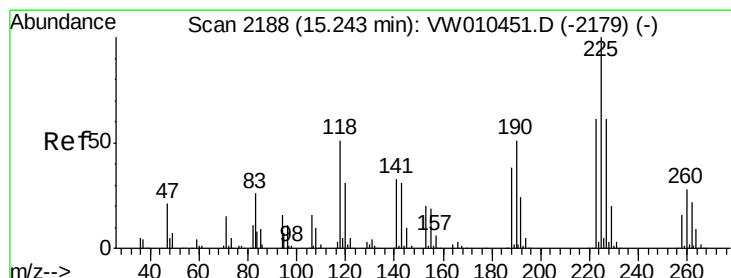
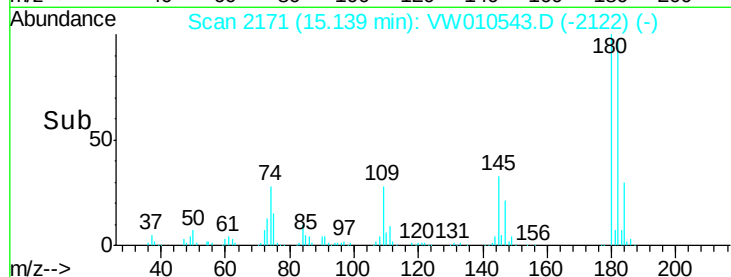
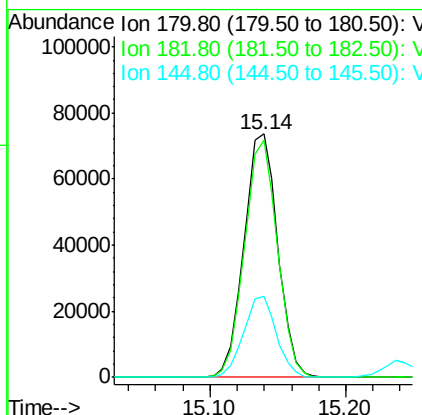
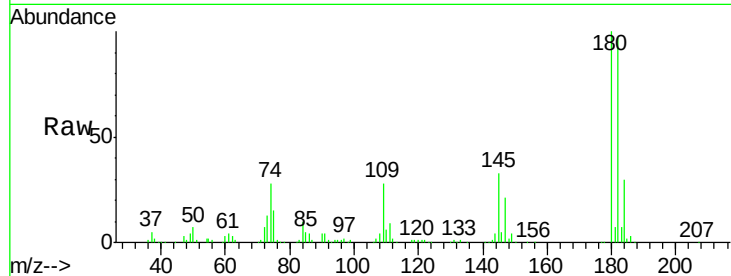
#93
 1,2,4-Trichlorobenzene
 Concen: 55.945 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127705		
182	95.2	47.0	141.2	
145	32.5	16.7	50.0	

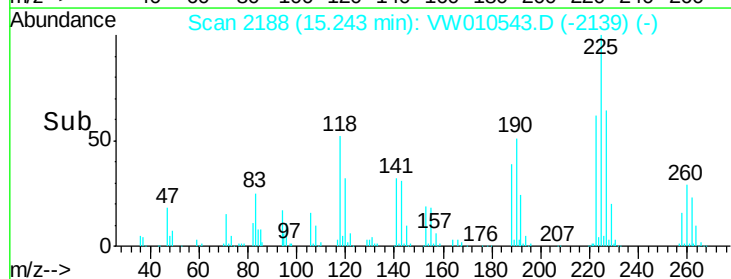
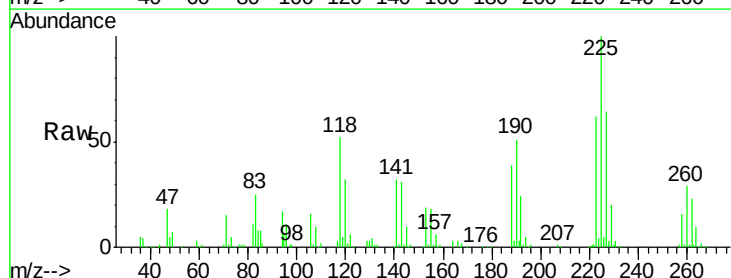
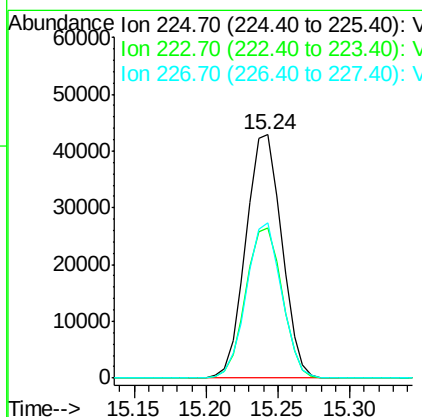
Manual Integrations
 APPROVED

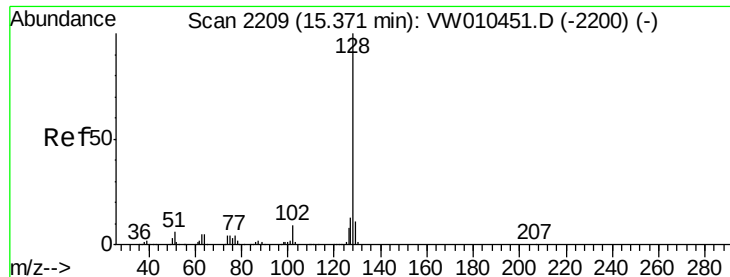
MMDadoda
 5/28/2019 12:01:13 PM



#94
 Hexachlorobutadiene
 Concen: 60.616 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010543.D
 Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73919		
223	62.7	31.1	93.2	
227	62.2	31.1	93.5	





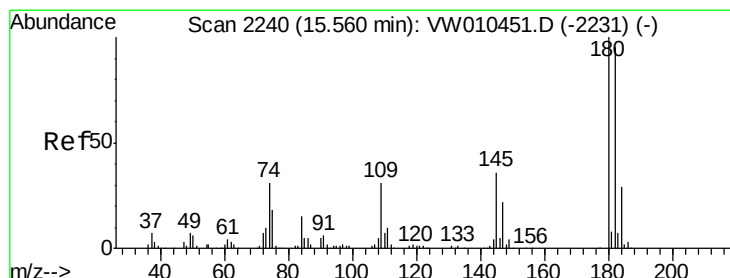
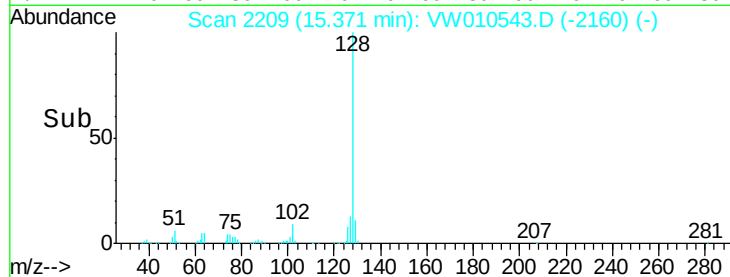
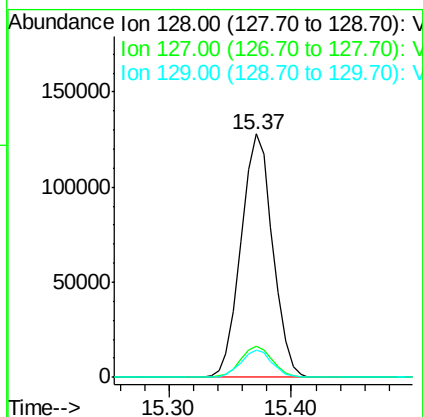
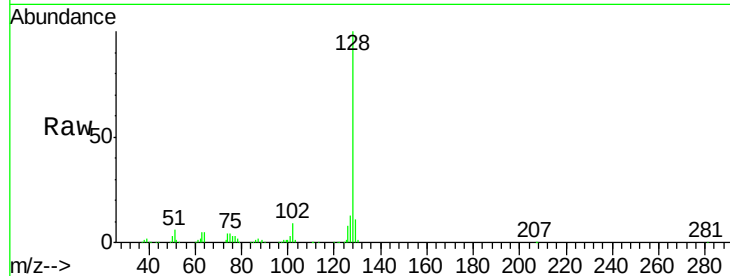
#95
Naphthalene
Concen: 47.932 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.680 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010543.D
Acq: 24 May 2019 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.3
145	34.5	17.4	52.3

