

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015412.D
 Acq On : 06 May 2020 15:44
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:02 AM

Quant Time: May 07 04:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128335	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.88	113	110919	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.32	98	461357	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.62	95	173281	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	71715	54.352	ug/l	99
3) Chloromethane	2.21	50	81460	49.315	ug/l	100
4) Vinyl Chloride	2.37	62	123428	49.340	ug/l	97
5) Bromomethane	2.78	94	84715	43.226	ug/l	95
6) Chloroethane	2.92	64	80312	46.588	ug/l	99
7) Trichlorofluoromethane	3.26	101	89947	49.020	ug/l	98
8) Diethyl Ether	3.68	74	56740	49.485	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	105882	49.779	ug/l	99
10) Methyl Iodide	4.27	142	159167	49.452	ug/l	99
11) Tert butyl alcohol	5.17	59	44717	309.107	ug/l	99
12) 1,1-Dichloroethene	4.03	96	108427	49.155	ug/l	96
13) Acrolein	3.89	56	44333	239.977	ug/l	98
14) Allyl chloride	4.67	41	189077	48.922	ug/l	100
15) Acrylonitrile	5.36	53	126512	271.100	ug/l	100
16) Acetone	4.12	43	118032	302.860	ug/l	98
17) Carbon Disulfide	4.38	76	337372	49.881	ug/l	99
18) Methyl Acetate	4.67	43	54418	52.598	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	179737	50.714	ug/l	98
20) Methylene Chloride	4.91	84	113647	44.694	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	123462	49.307	ug/l	97
22) Diisopropyl ether	6.31	45	372877	49.372	ug/l	99
23) Vinyl Acetate	6.25	43	1180652	257.167	ug/l	99
24) 1,1-Dichloroethane	6.21	63	221062	48.825	ug/l	99
25) 2-Butanone	7.17	43	169876	279.651	ug/l	99
26) 2,2-Dichloropropane	7.16	77	145834	48.597	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	134886	49.610	ug/l	98
28) Bromochloromethane	7.51	49	93017	51.094	ug/l	100
29) Tetrahydrofuran	7.53	42	110143	275.513	ug/l	99
30) Chloroform	7.68	83	219908	48.884	ug/l	98
31) Cyclohexane	7.95	56	211652	46.040	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	188094	49.748	ug/l	100
36) 1,1-Dichloropropene	8.08	75	182894	49.745	ug/l	99
37) Ethyl Acetate	7.25	43	79472	55.707	ug/l	98
38) Carbon Tetrachloride	8.07	117	173226	50.398	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015412.D
 Acq On : 06 May 2020 15:44
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:02 AM

Quant Time: May 07 04:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	231732	49.792	ug/l	96
40) Benzene	8.32	78	493206	49.186	ug/l	99
41) Methacrylonitrile	7.48	41	45849	50.866	ug/l	99
42) 1,2-Dichloroethane	8.40	62	154197	50.487	ug/l	100
43) Isopropyl Acetate	8.42	43	159478	53.154	ug/l	99
44) Trichloroethene	9.09	130	130031	50.032	ug/l	99
45) 1,2-Dichloropropane	9.37	63	122133	49.305	ug/l	99
46) Dibromomethane	9.46	93	63522	51.559	ug/l	97
47) Bromodichloromethane	9.65	83	170337	50.730	ug/l	99
48) Methyl methacrylate	9.43	41	74214	53.550	ug/l	96
49) 1,4-Dioxane	9.45	88	19620	1265.424	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	393198	279.642	ug/l	100
52) Toluene	10.38	92	319674	49.058	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	176116	51.387	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	203765	50.494	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	88023	50.524	ug/l	99
56) Ethyl methacrylate	10.65	69	127470	53.251	ug/l	99
57) 1,3-Dichloropropane	10.93	76	160663	51.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	310133	266.308	ug/l	99
59) 2-Hexanone	10.97	43	269643	283.419	ug/l	100
60) Dibromochloromethane	11.13	129	107816	51.455	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85892	52.068	ug/l	100
64) Tetrachloroethene	10.86	164	104426	50.812	ug/l	94
65) Chlorobenzene	11.66	112	331619	50.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	118443	50.392	ug/l	99
67) Ethyl Benzene	11.73	91	635022	50.045	ug/l	100
68) m/p-Xylenes	11.84	106	473749	100.420	ug/l	99
69) o-Xylene	12.16	106	225325	50.827	ug/l	99
70) Styrene	12.18	104	388649	50.902	ug/l	99
71) Bromoform	12.35	173	62578	54.593	ug/l #	99
73) Isopropylbenzene	12.46	105	635987	50.686	ug/l	99
74) N-amyl acetate	12.27	43	157262	53.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	105509	53.752	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	68889m	49.825	ug/l	
77) Bromobenzene	12.75	156	135007	50.772	ug/l	98
78) n-propylbenzene	12.80	91	757328	50.307	ug/l	100
79) 2-Chlorotoluene	12.89	91	424640	50.040	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	539938	51.087	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38080	54.478	ug/l	99
82) 4-Chlorotoluene	12.99	91	455201	50.616	ug/l	99
83) tert-Butylbenzene	13.21	119	458769	50.871	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	539542	51.029	ug/l	99
85) sec-Butylbenzene	13.38	105	652576	51.357	ug/l	100
86) p-Isopropyltoluene	13.50	119	597126	51.525	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	267920	50.582	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	270770	51.617	ug/l	99
89) n-Butylbenzene	13.82	91	577071	50.864	ug/l	100
90) Hexachloroethane	14.09	117	108875	50.981	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	235626	51.377	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18727	54.649	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
Data File : VW015412.D
Acq On : 06 May 2020 15:44
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM

Quant Time: May 07 04:02:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159589	51.775	ug/l	98
94) Hexachlorobutadiene	15.23	225	93155	51.000	ug/l	98
95) Naphthalene	15.36	128	298250	54.019	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	135428	51.135	ug/l	98

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

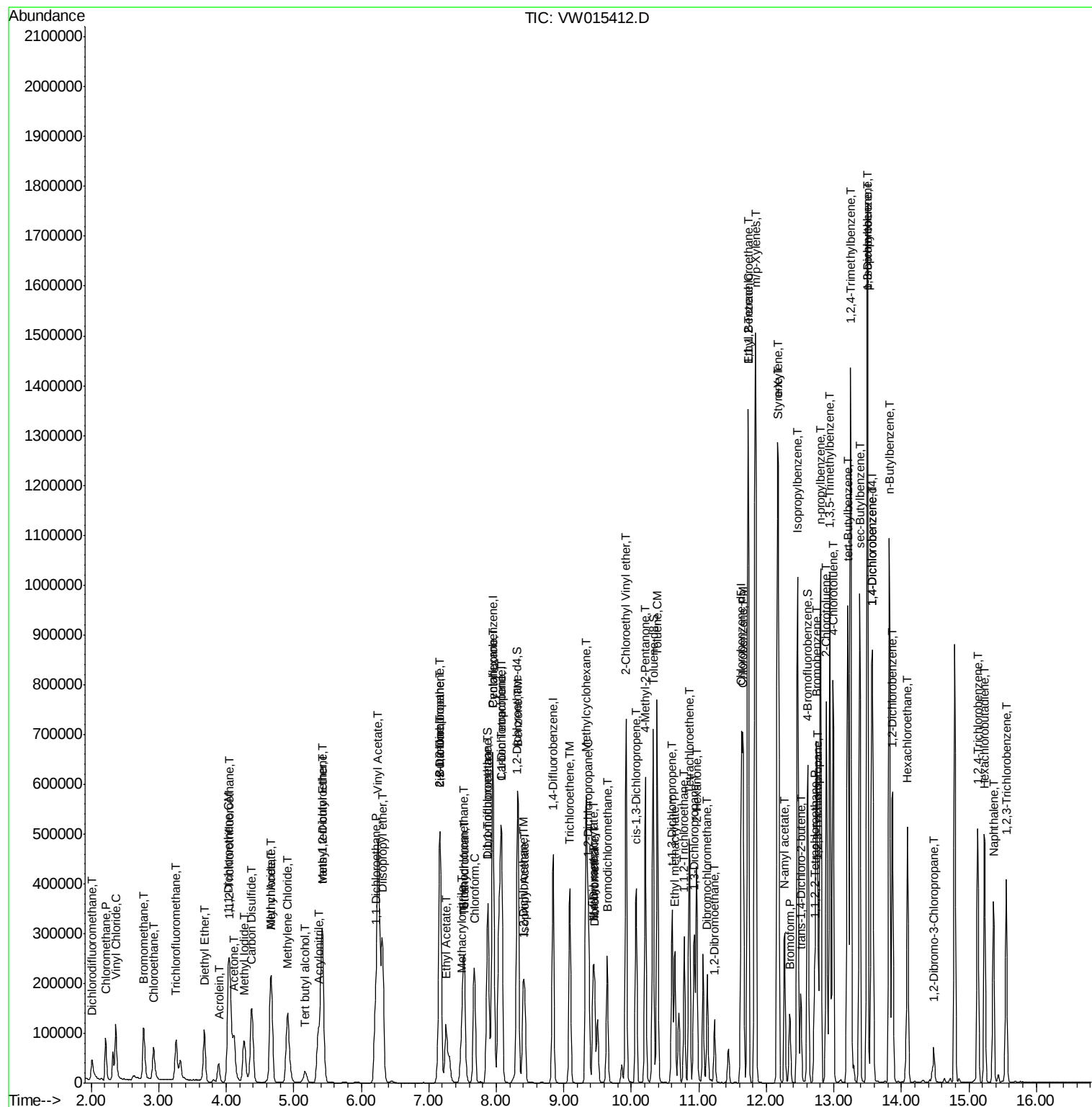
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015412.D
 Acq On : 06 May 2020 15:44
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

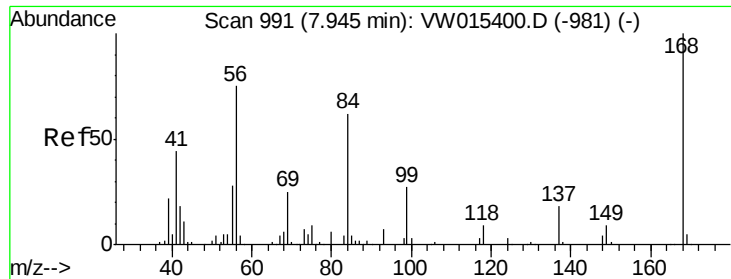
Instrument :
 MSVOA_W
 Client Sample Id :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:02 AM

Quant Time: May 07 04:02:23 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 228218

Ion Ratio Lower Upper

168 100

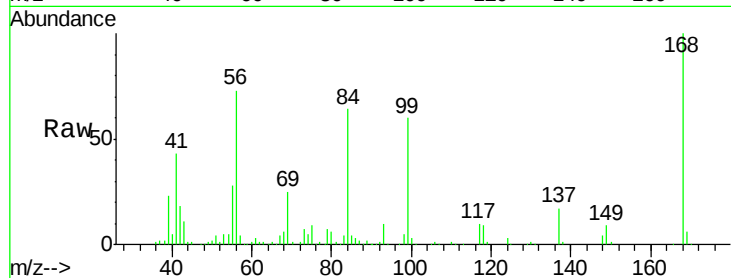
99 60.2 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

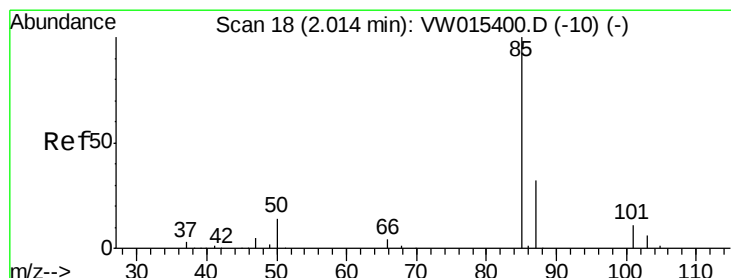
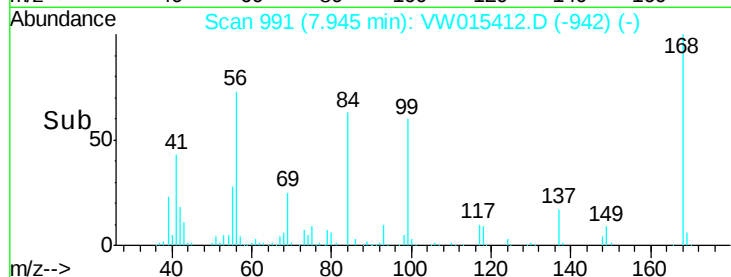
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 54.352 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015412.D

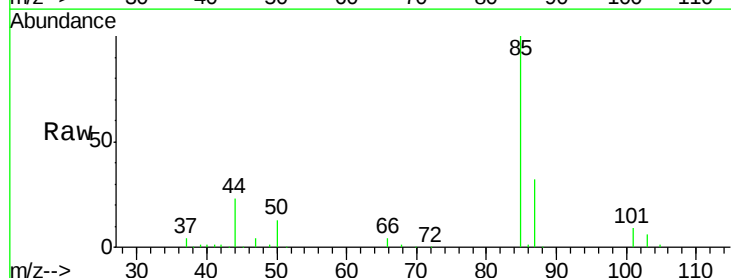
Acq: 06 May 2020 15:44

Tgt Ion: 85 Resp: 71715

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

10000

5000

0

1.90

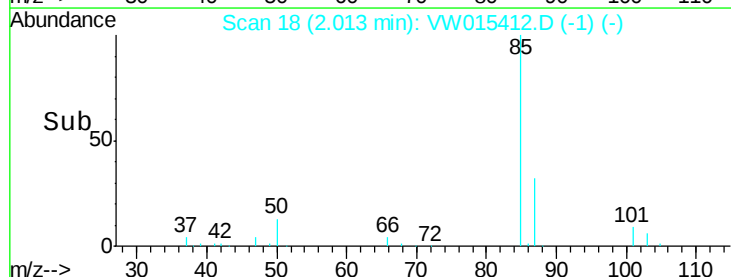
2.00

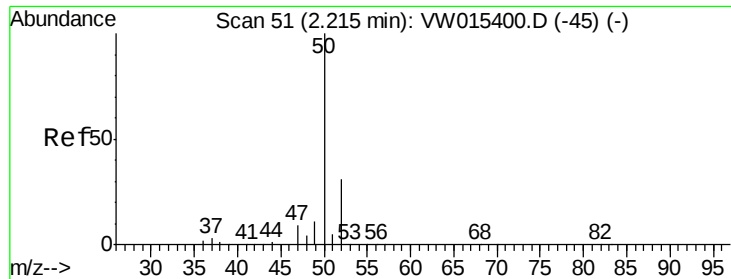
2.10

2.20

2.30

Time-->





#3

Chloromethane

Concen: 49.315 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 81460

Ion Ratio Lower Upper

50 100

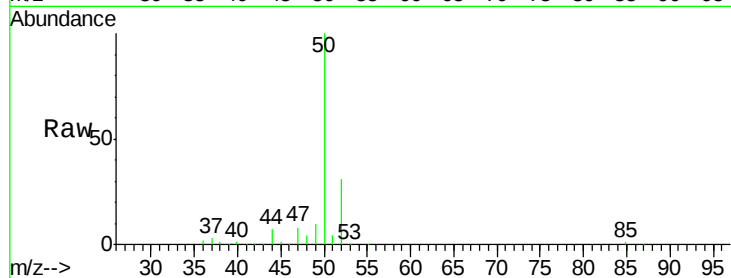
52 31.5 25.0 37.6

Manual Integrations

APPROVED

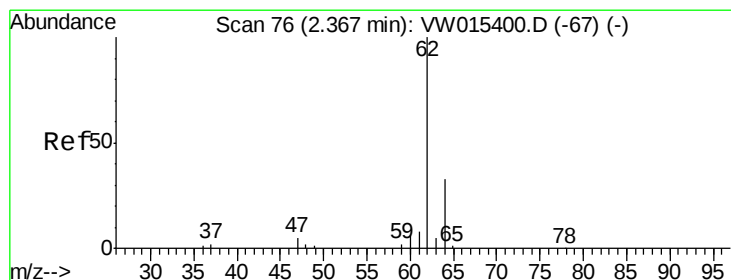
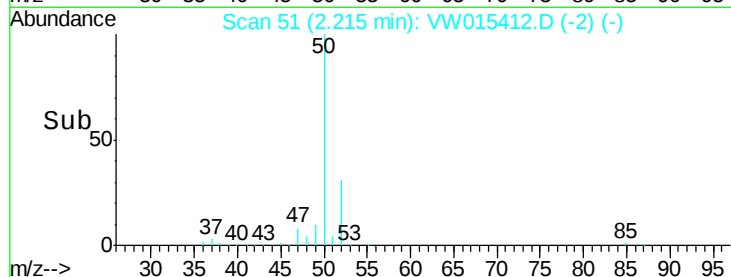
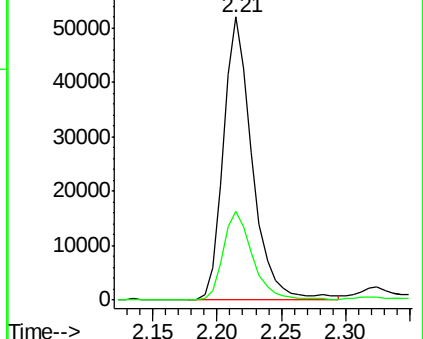
MMDadoda

5/7/2020 10:35:02 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 49.340 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015412.D

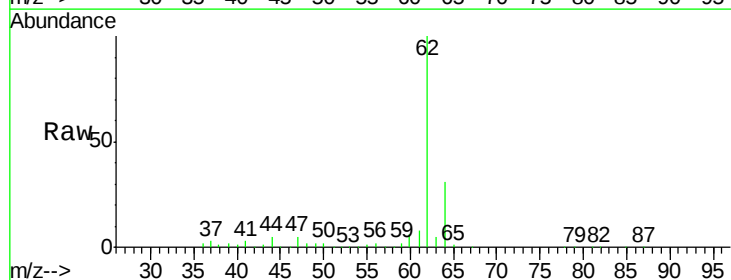
Acq: 06 May 2020 15:44

Tgt Ion: 62 Resp: 123428

Ion Ratio Lower Upper

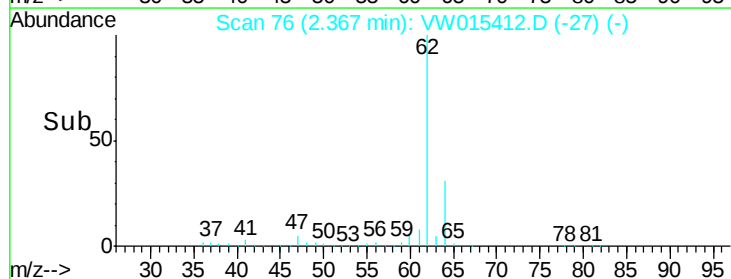
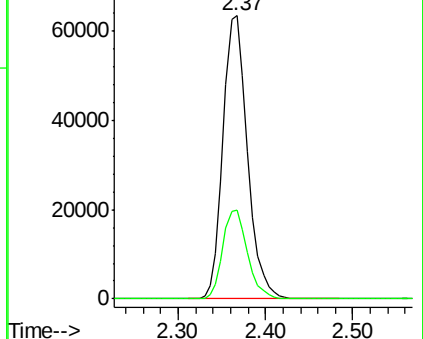
62 100

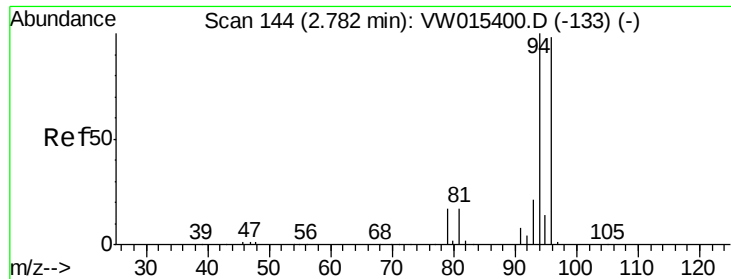
64 31.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 43.226 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 84715

Ion Ratio Lower Upper

94 100

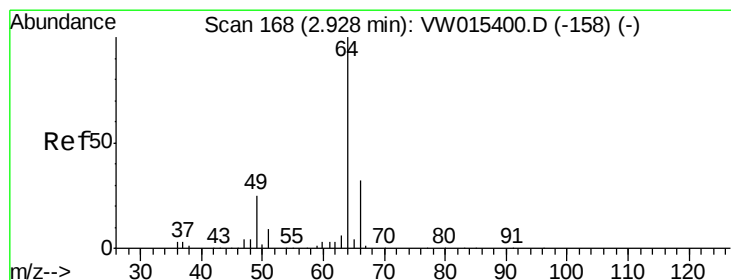
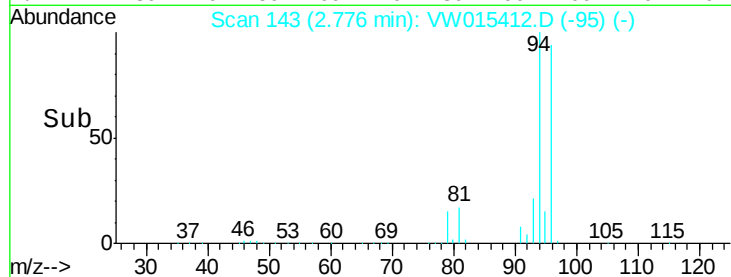
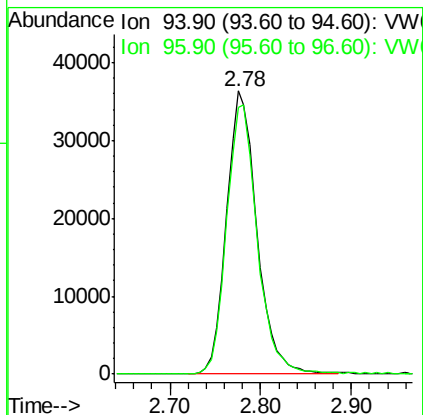
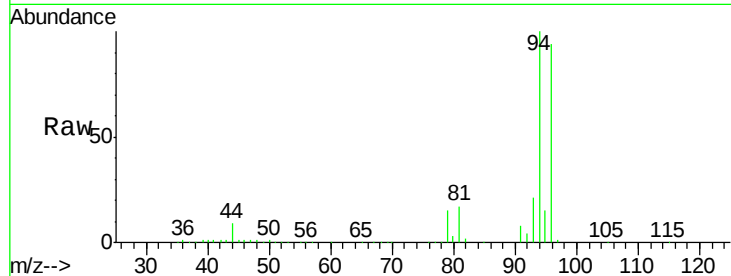
96 93.9 78.8 118.2

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:02 AM



#6

Chloroethane

Concen: 46.588 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015412.D

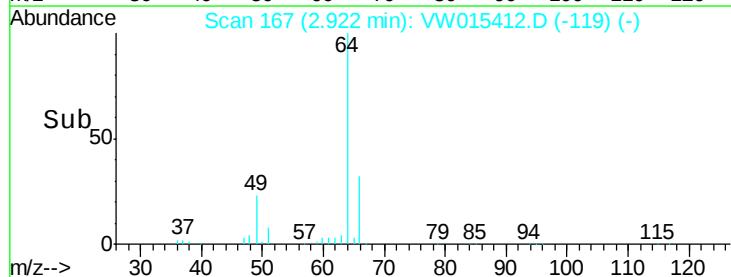
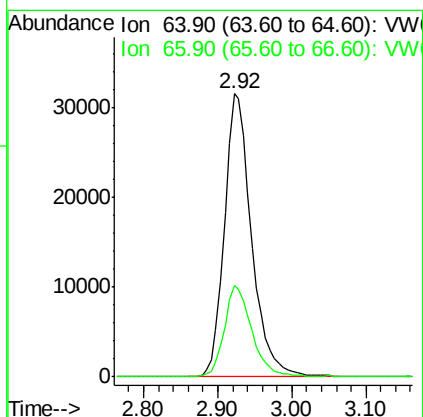
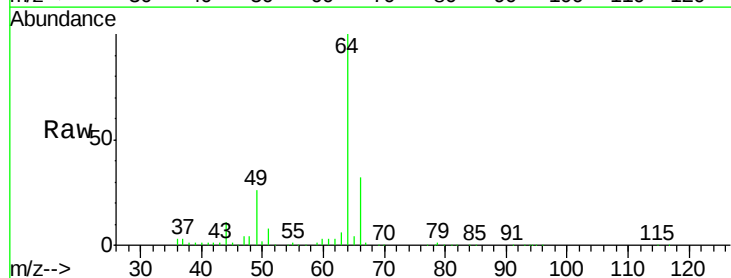
Acq: 06 May 2020 15:44

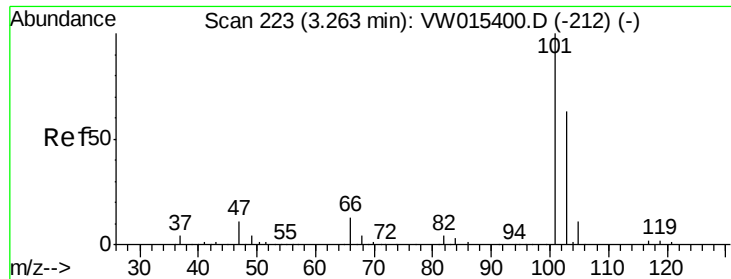
Tgt Ion: 64 Resp: 80312

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0





#7

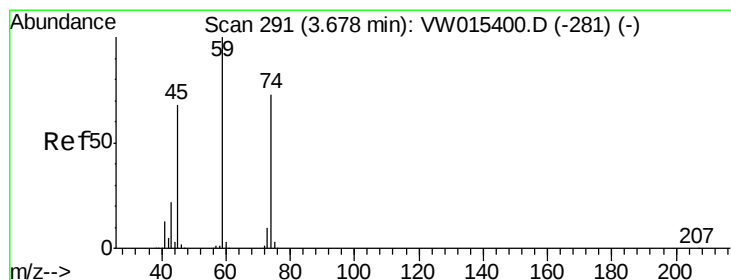
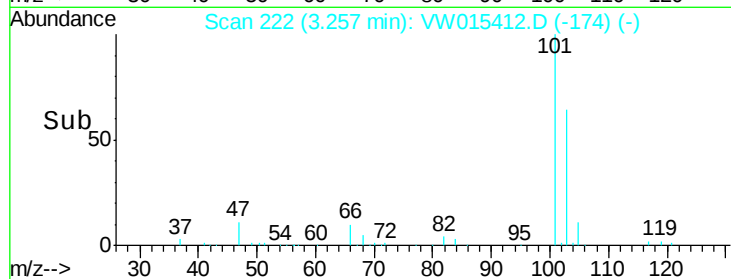
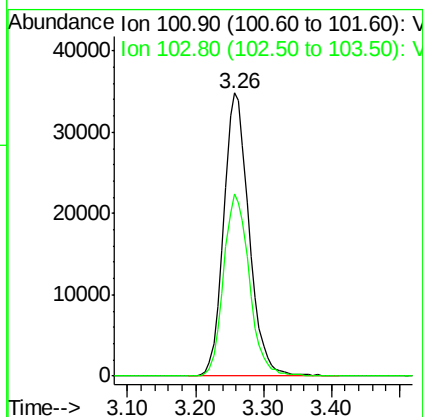
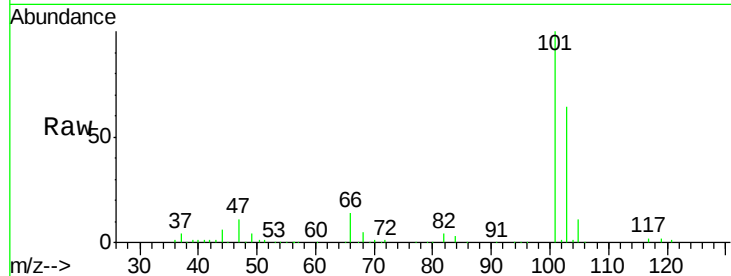
Trichlorofluoromethane
Concen: 49.020 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.2	75.4

Manual Integrations
APPROVED

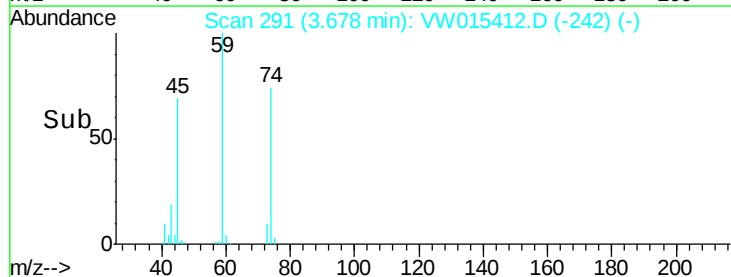
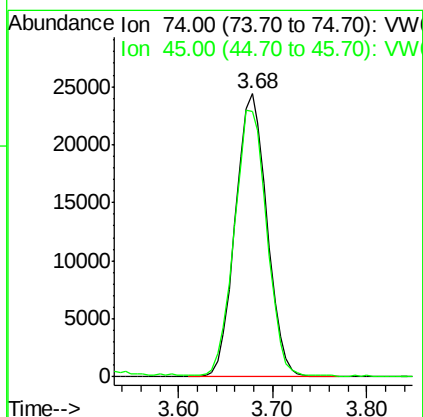
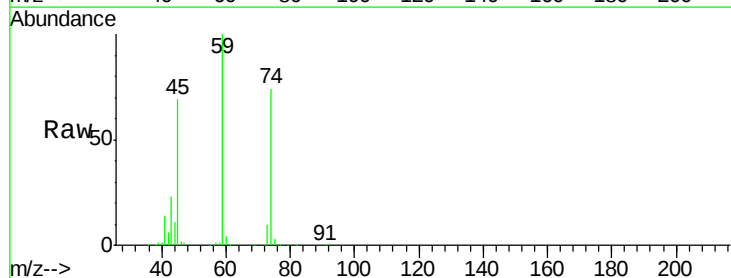
MMDadoda
5/7/2020 10:35:02 AM

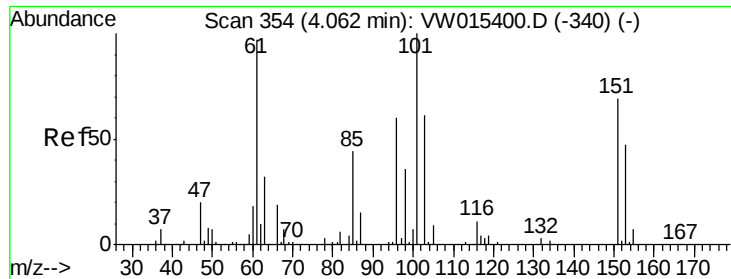


#8

Diethyl Ether
Concen: 49.485 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

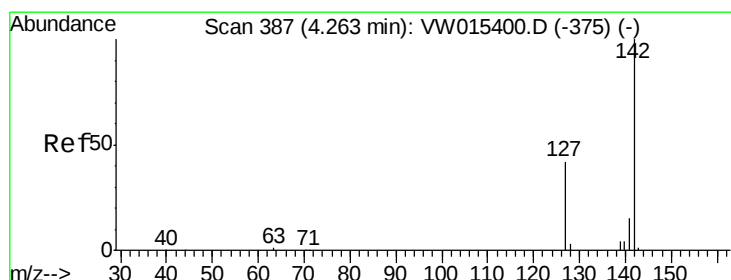
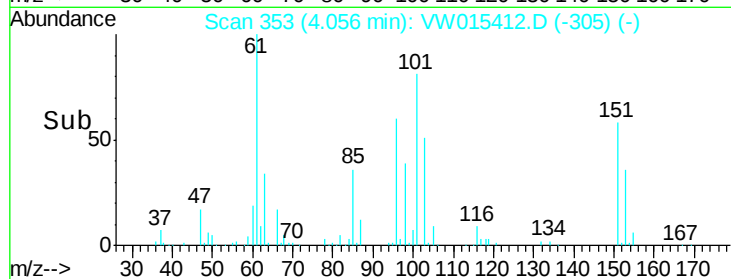
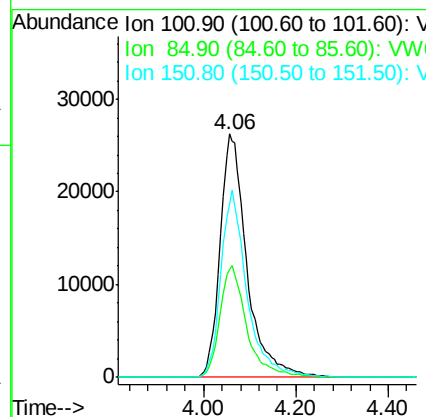
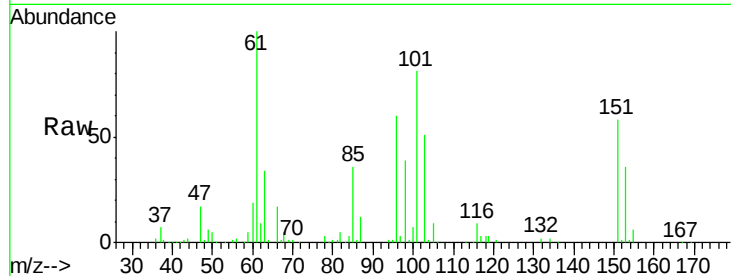
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	105882
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.3	55.9
151	74.6	58.9	88.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#10

Methyl Iodide

Concen: 49.452 ug/l

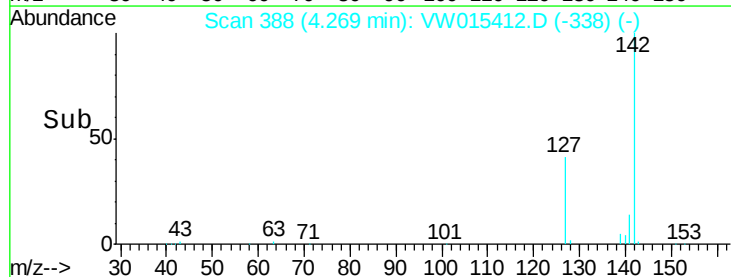
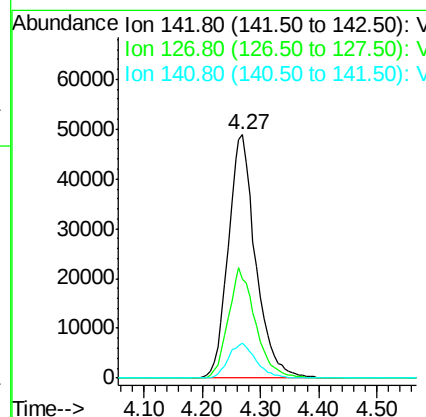
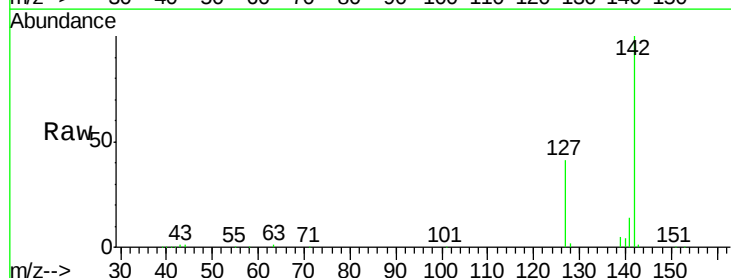
RT: 4.27 min Scan# 388

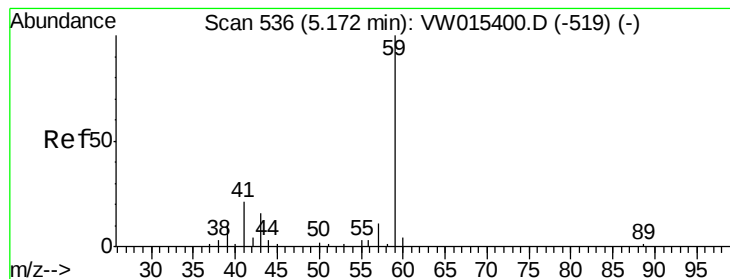
Delta R.T. 0.01 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	142	Resp:	159167
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.4	53.2
141	14.6	11.7	17.5





#11

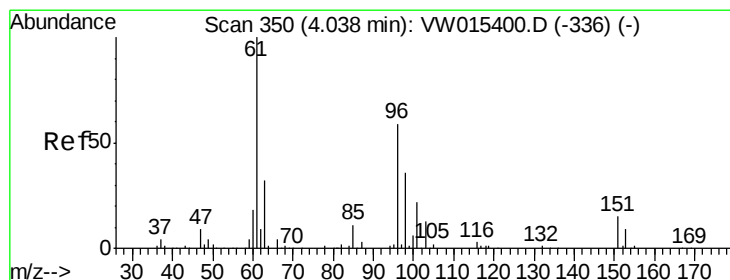
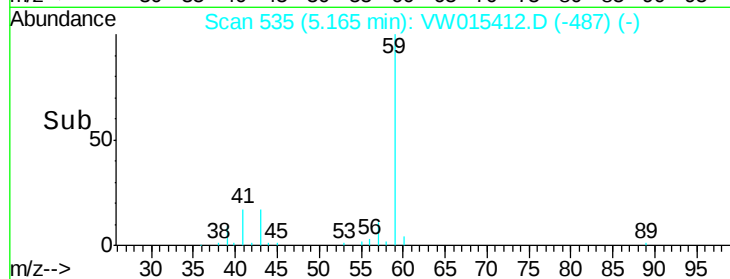
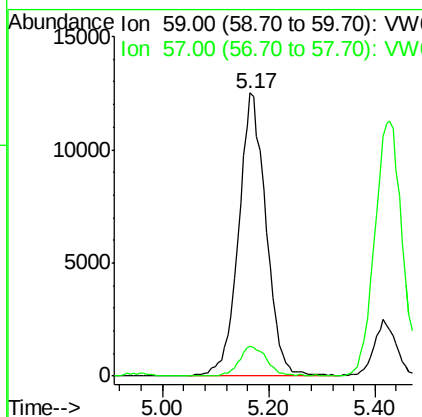
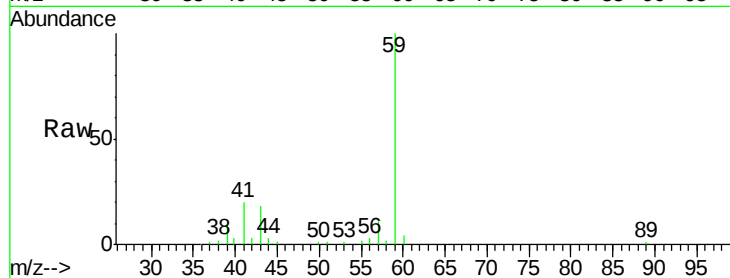
Tert butyl alcohol
 Concen: 309.107 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	13.0

Manual Integrations
 APPROVED

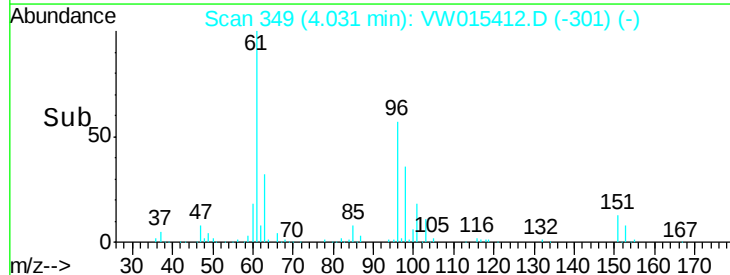
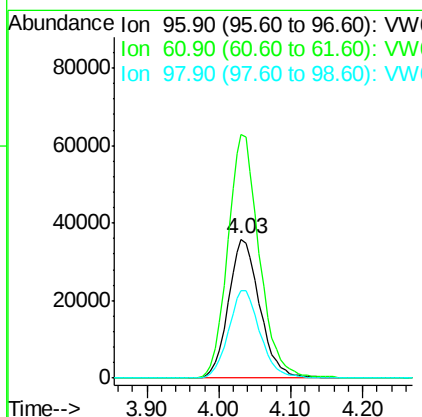
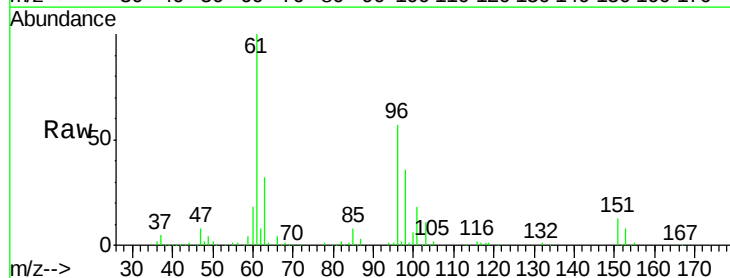
MMDadoda
 5/7/2020 10:35:02 AM

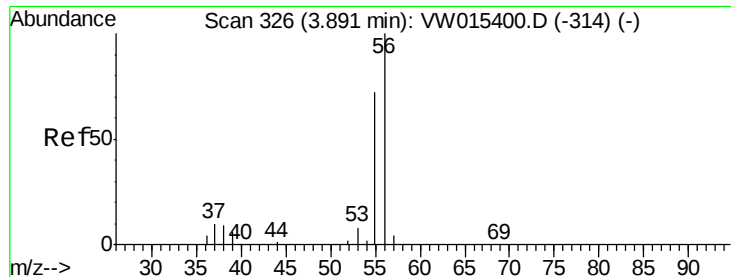


#12

1,1-Dichloroethene
 Concen: 49.155 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.5	135.8	203.8
98	62.9	48.6	72.8





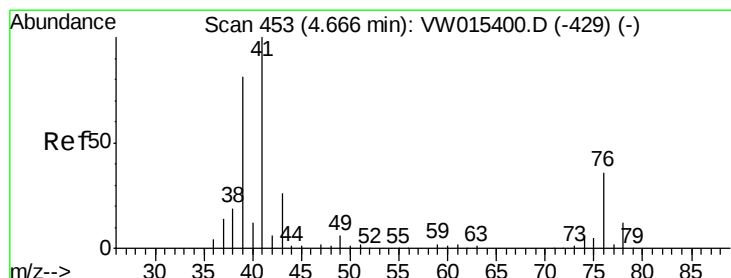
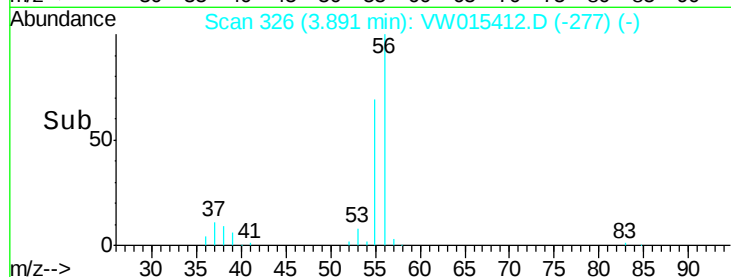
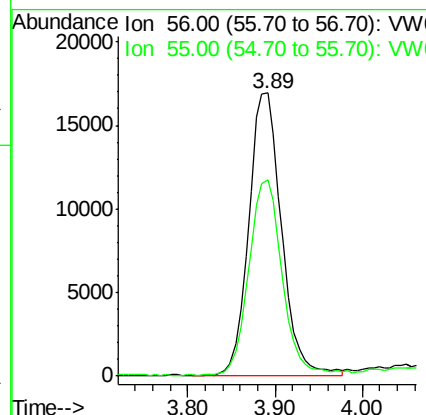
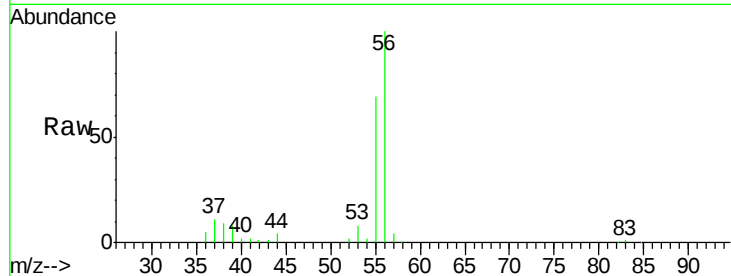
#13
Acrolein
Concen: 239.977 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
44333	100	69.3		56.4	84.6

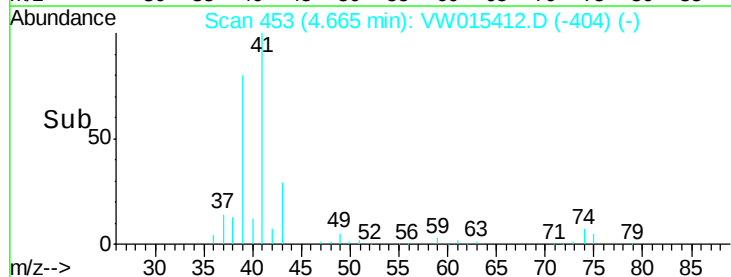
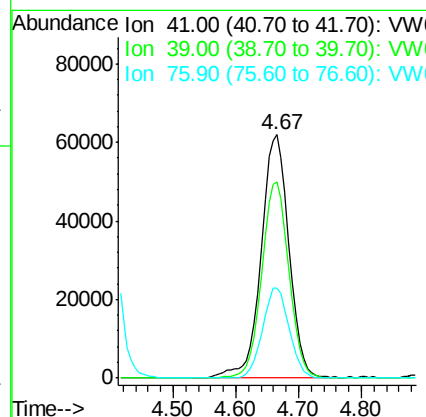
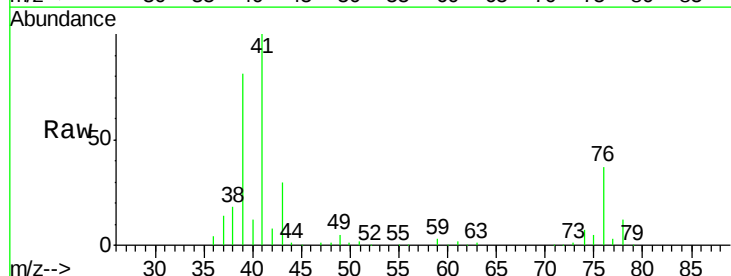
Manual Integrations
APPROVED

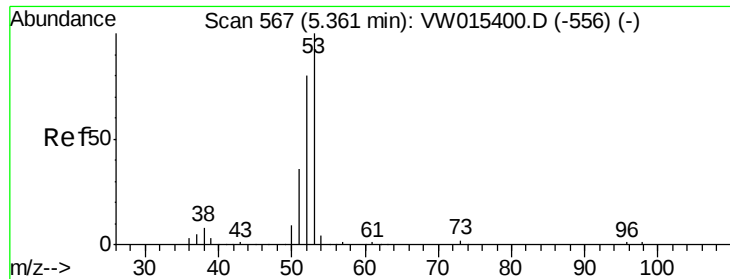
MMDadoda
5/7/2020 10:35:02 AM



#14
Allyl chloride
Concen: 48.922 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	41	39	76	Ratio	Lower	Upper
189077	100	79.3	35.7		63.6	95.4





#15

Acrylonitrile

Concen: 271.100 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

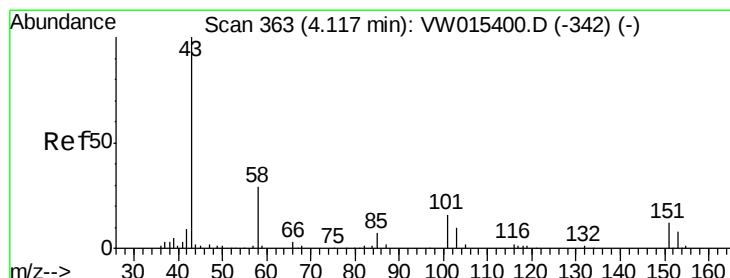
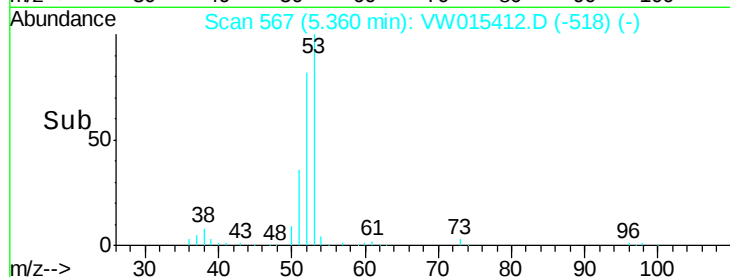
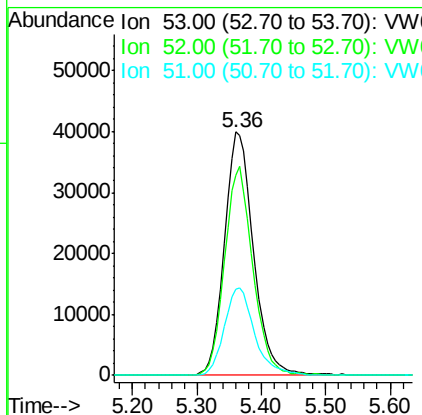
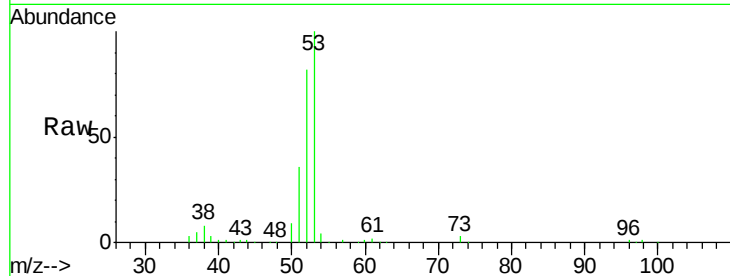
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	126512
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	37.3	30.2	45.2

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#16

Acetone

Concen: 302.860 ug/l

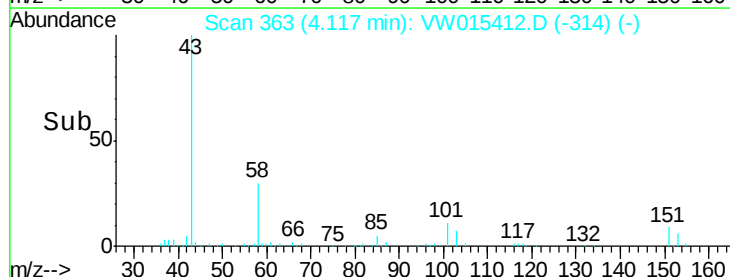
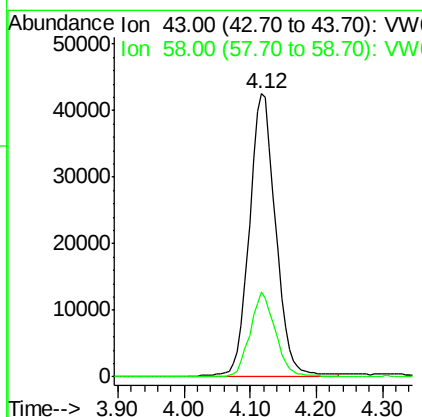
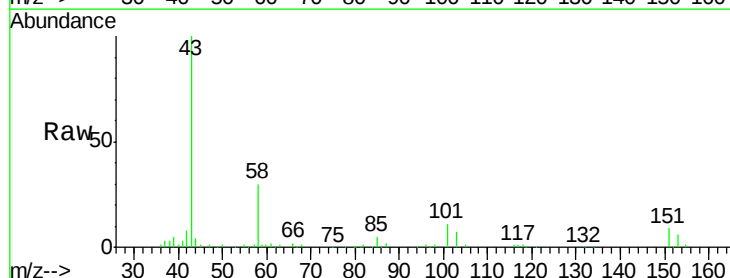
RT: 4.12 min Scan# 363

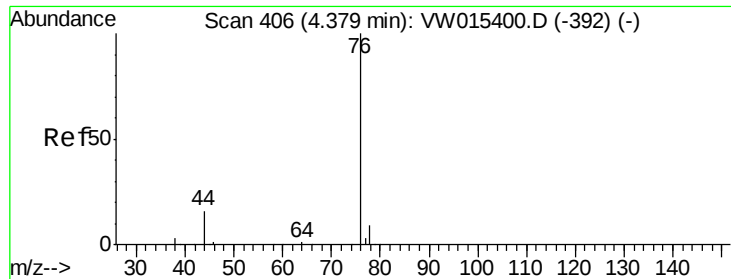
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	43	Resp:	118032
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0





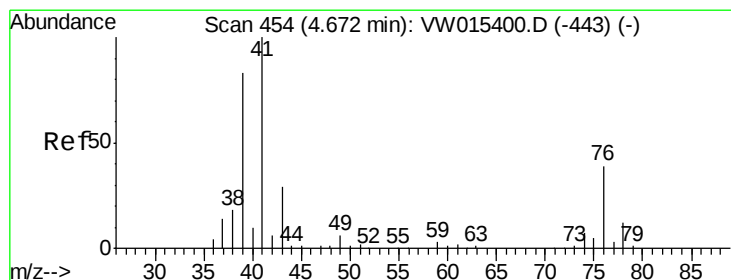
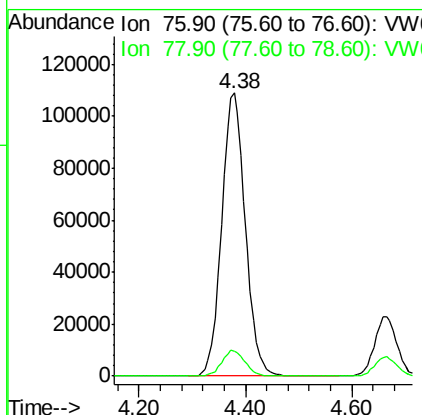
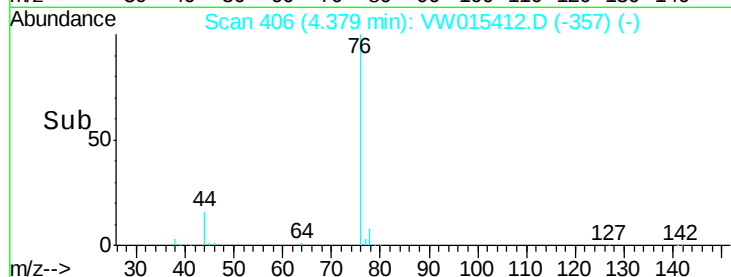
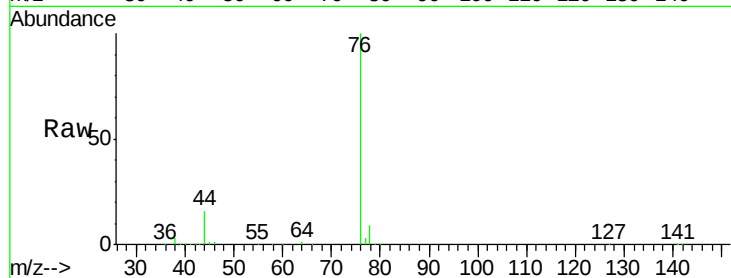
#17
Carbon Disulfide
Concen: 49.881 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

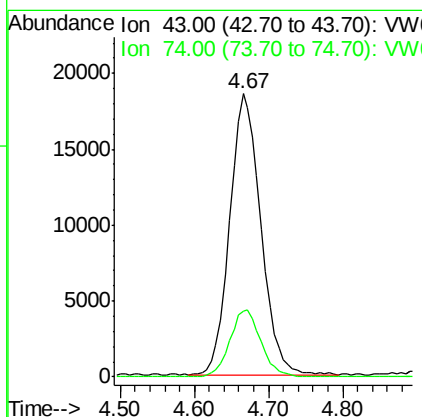
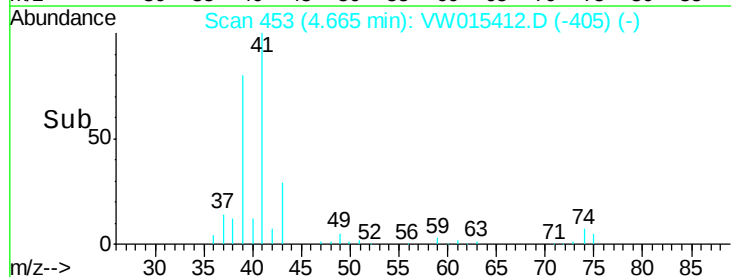
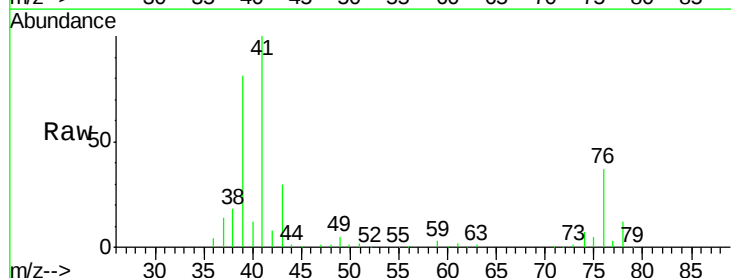
Manual Integrations
APPROVED

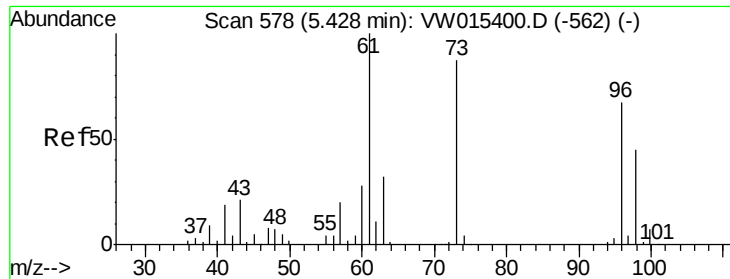
MMDadoda
5/7/2020 10:35:02 AM



#18
Methyl Acetate
Concen: 52.598 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.7	28.1





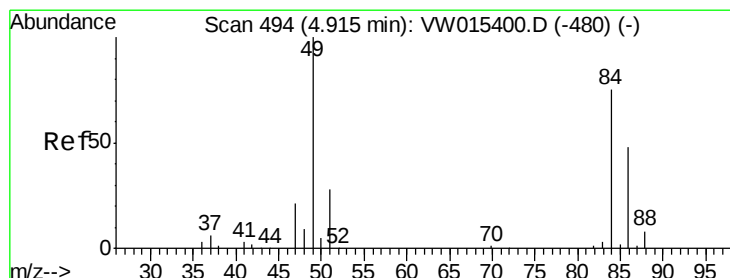
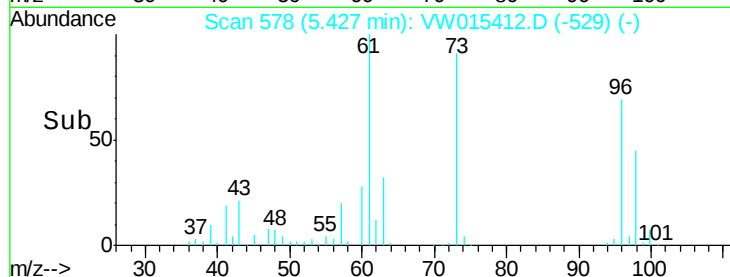
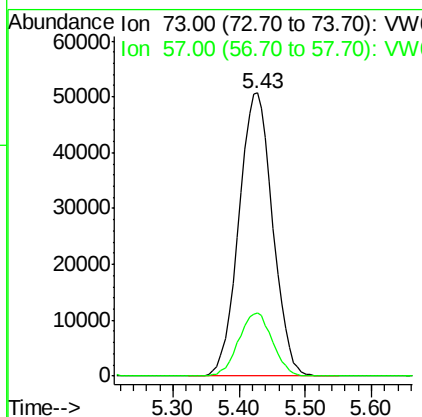
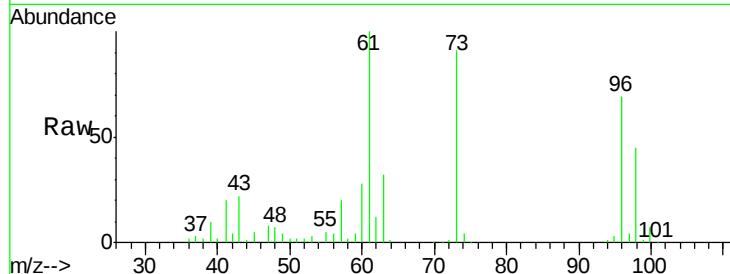
#19
Methyl tert-butyl Ether
Concen: 50.714 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 179737
Ion Ratio Lower Upper
73 100
57 22.2 18.5 27.7

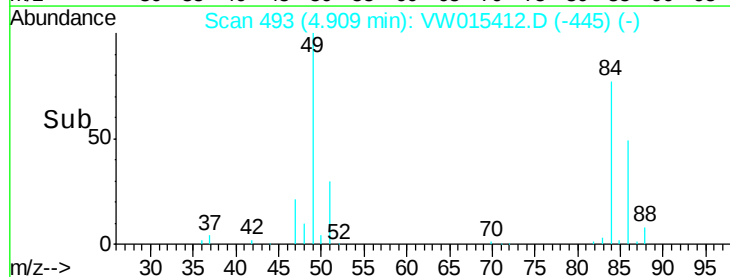
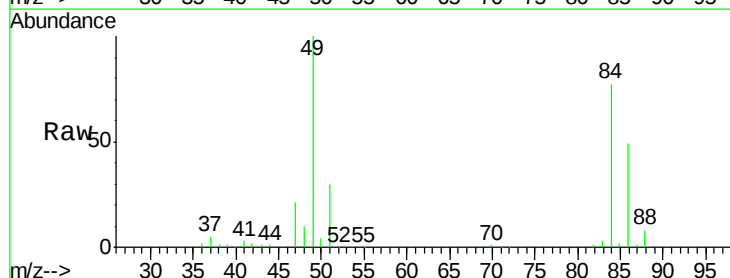
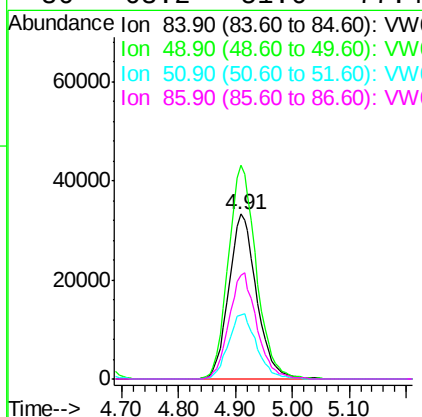
Manual Integrations
APPROVED

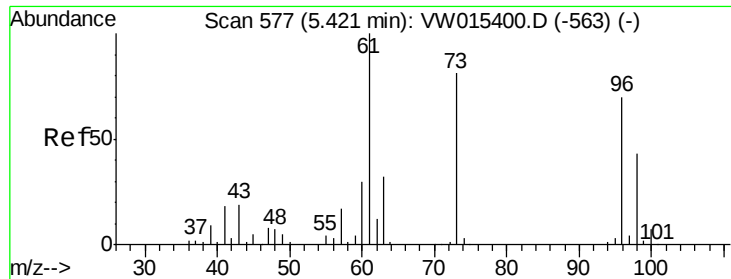
MMDadoda
5/7/2020 10:35:02 AM



#20
Methylene Chloride
Concen: 44.694 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion: 84 Resp: 113647
Ion Ratio Lower Upper
84 100
49 129.8 106.4 159.6
51 39.1 30.2 45.2
86 63.2 51.6 77.4





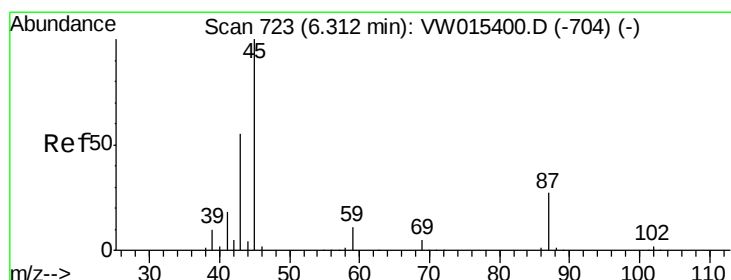
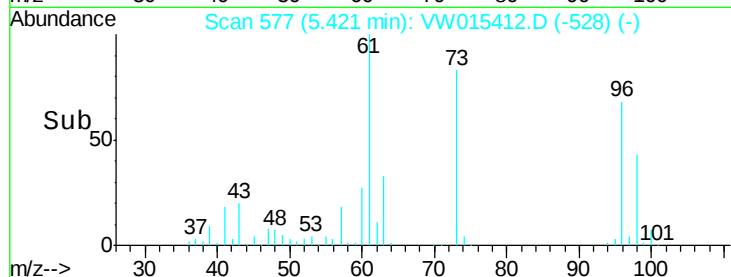
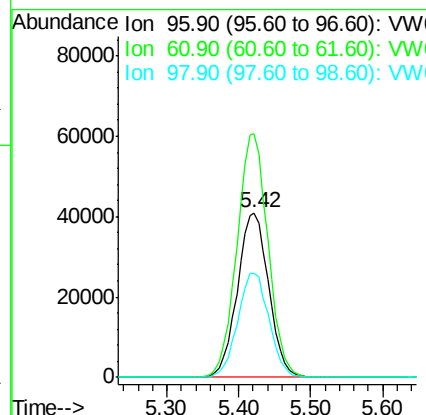
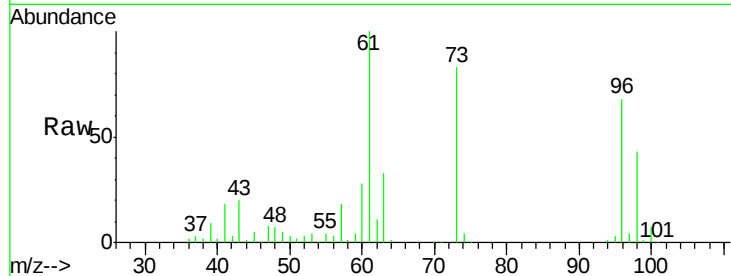
#21
trans-1,2-Dichloroethene
Concen: 49.307 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	114.9	172.3
98	63.1	49.4	74.0

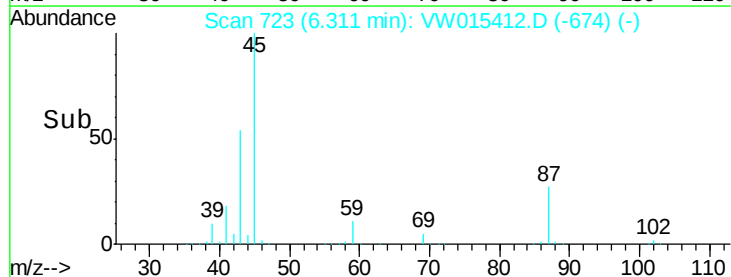
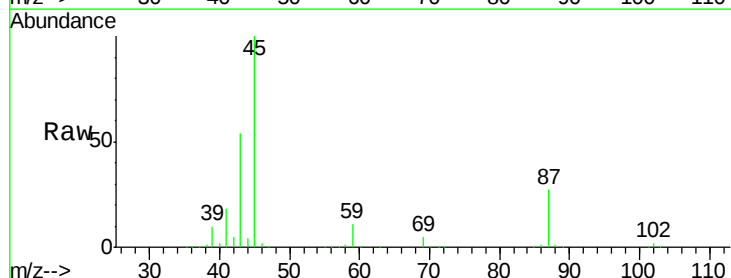
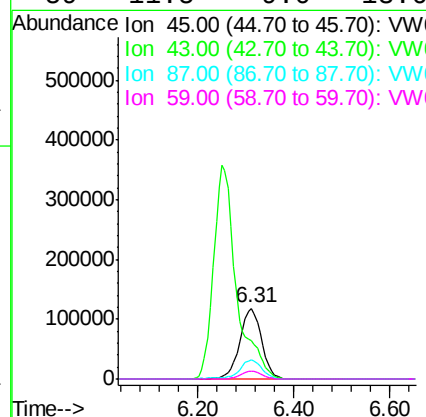
Manual Integrations
APPROVED

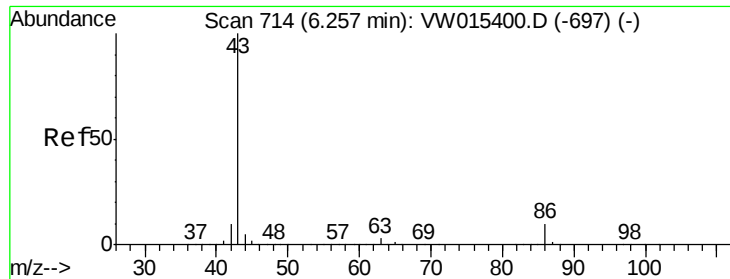
MMDadoda
5/7/2020 10:35:02 AM



#22
Diisopropyl ether
Concen: 49.372 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.3	44.2	66.4
87	27.0	21.6	32.4
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 257.167 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1180652

Ion Ratio Lower Upper

43 100

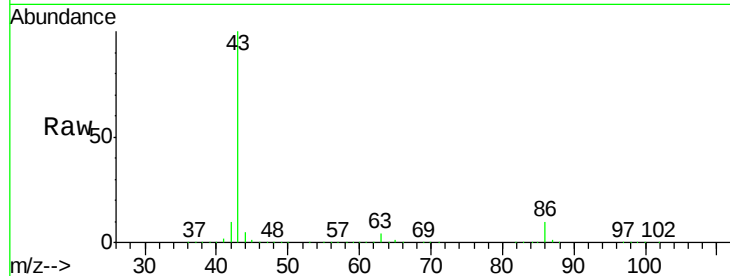
86 9.9 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

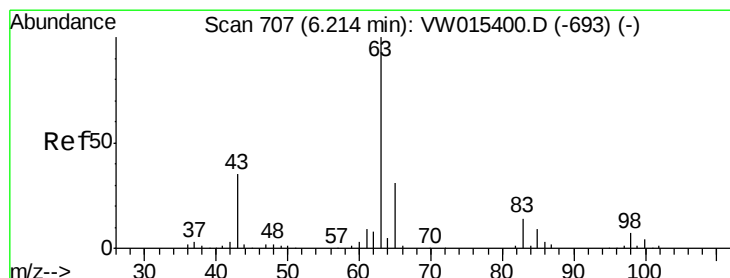
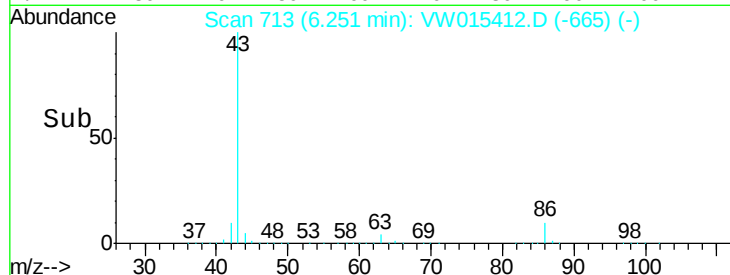
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.825 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

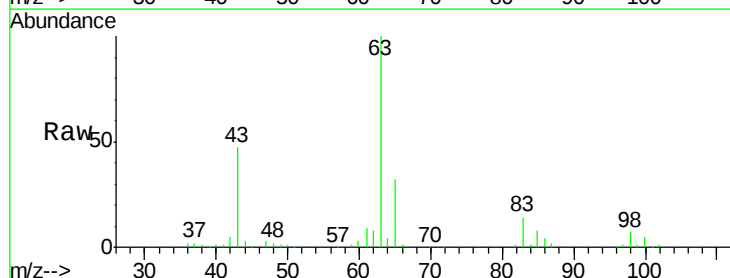
Tgt Ion: 63 Resp: 221062

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.7 2.1 6.5



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

100000

80000

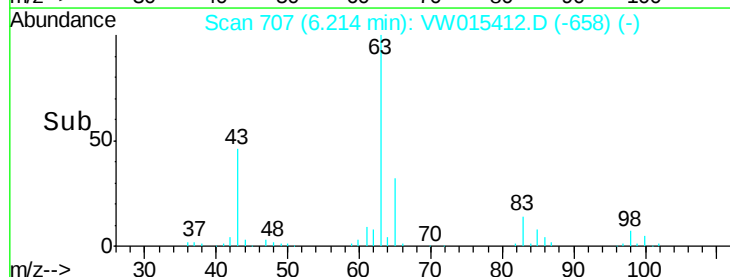
60000

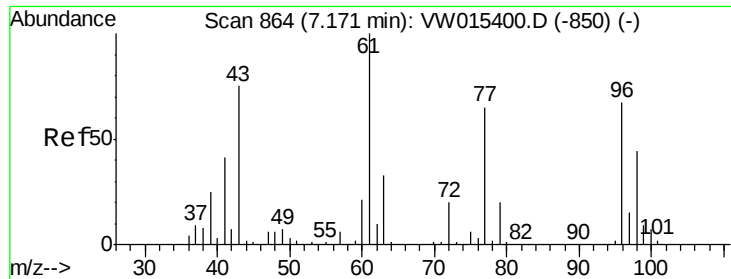
40000

20000

0

Time-->





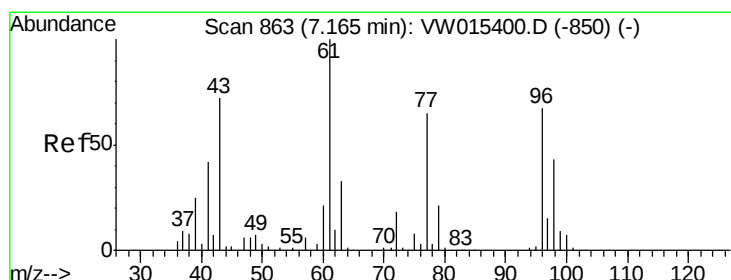
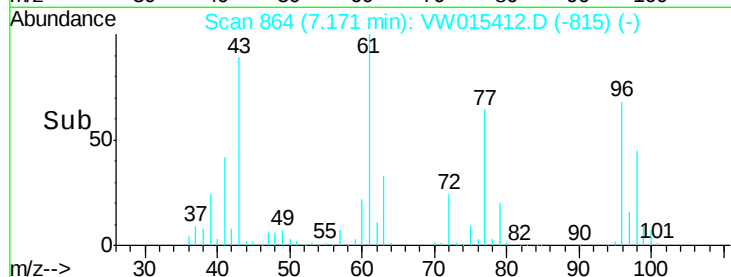
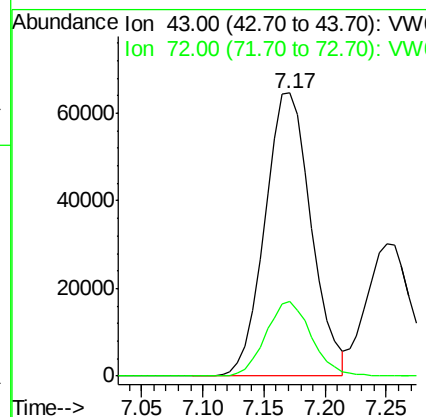
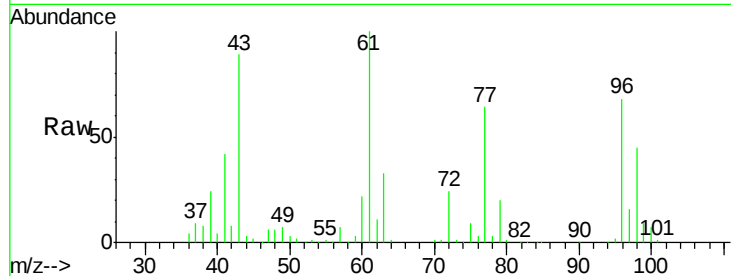
#25
2-Butanone
Concen: 279.651 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 169876
Ion Ratio Lower Upper
43 100
72 26.3 21.4 32.0

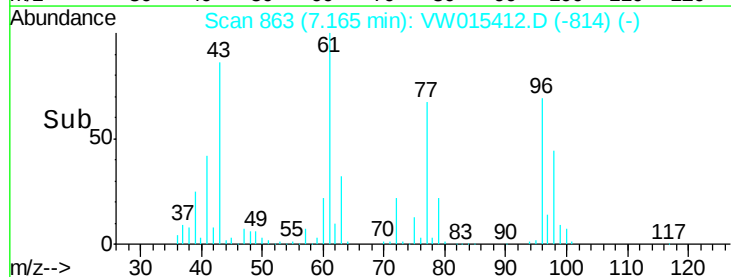
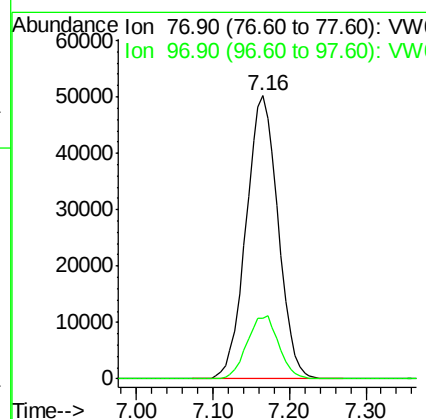
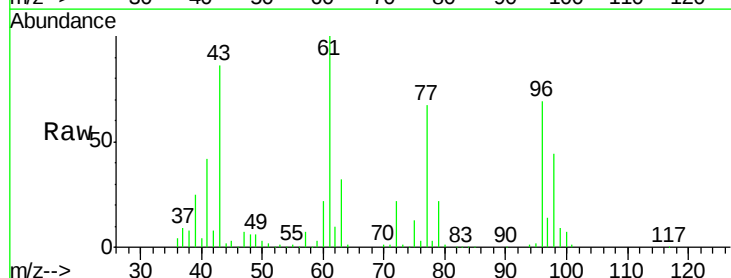
Manual Integrations
APPROVED

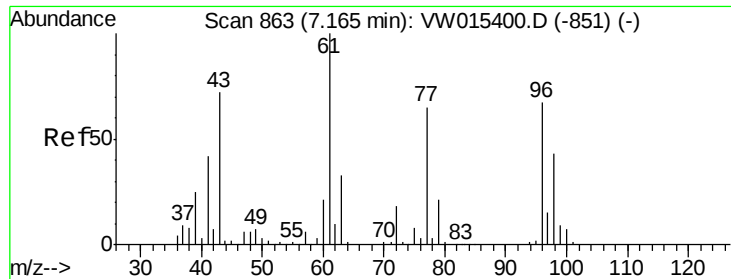
MMDadoda
5/7/2020 10:35:02 AM



#26
2,2-Dichloropropane
Concen: 48.597 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion: 77 Resp: 145834
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.1





#27

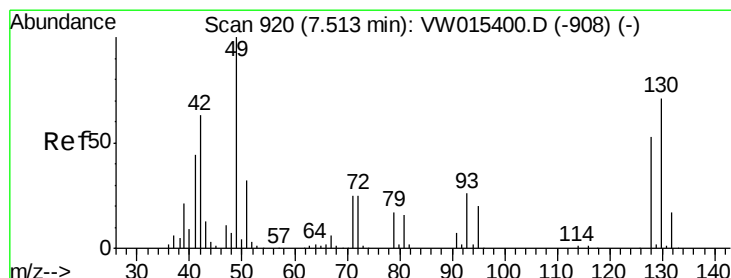
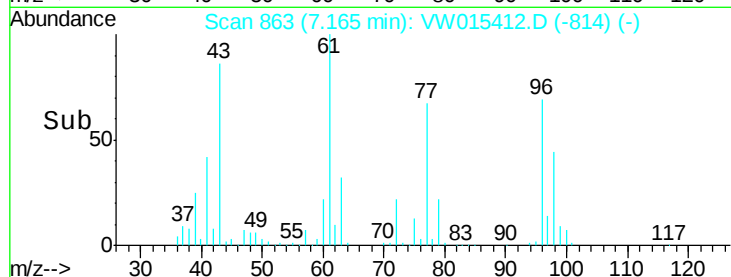
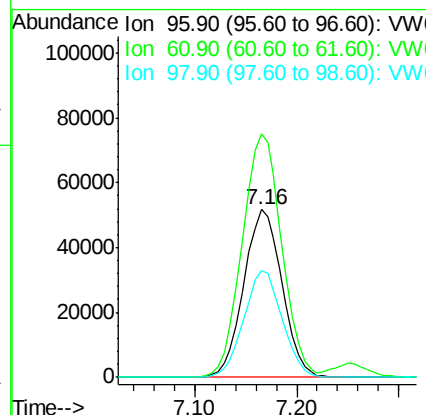
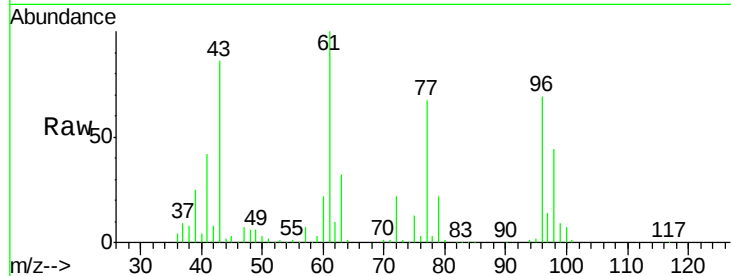
cis-1,2-Dichloroethene
Concen: 49.610 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	304.6
98	63.7	0.0	129.2

Manual Integrations
APPROVED

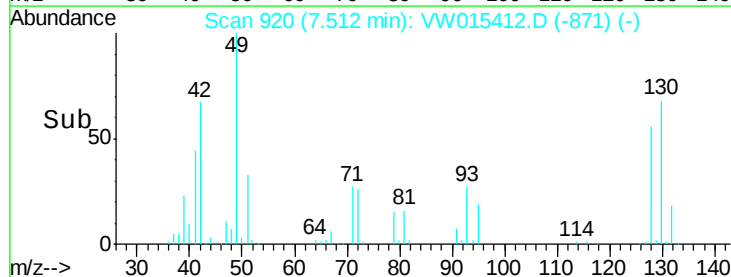
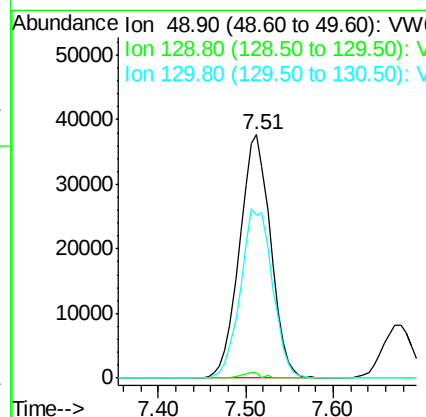
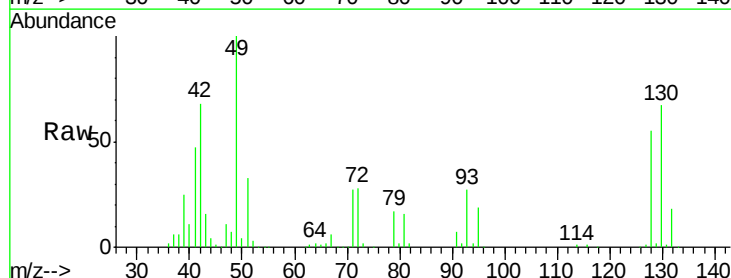
MMDadoda
5/7/2020 10:35:02 AM

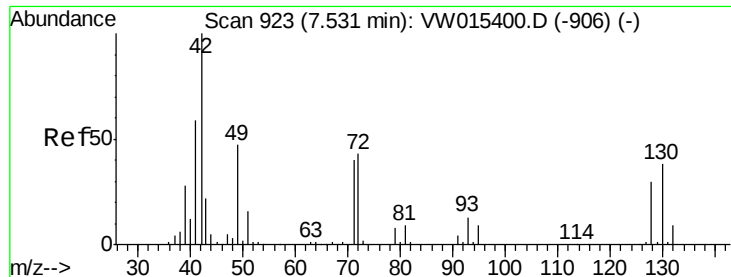


#28

Bromochloromethane
Concen: 51.094 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	71.6	57.0	85.4





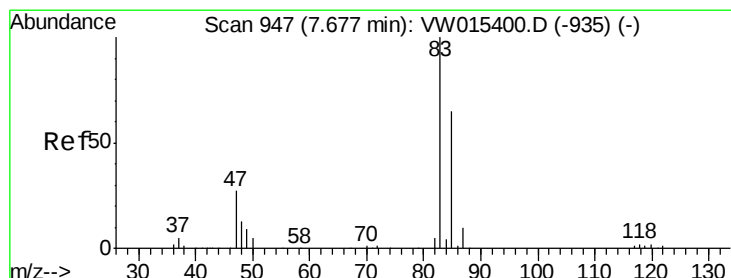
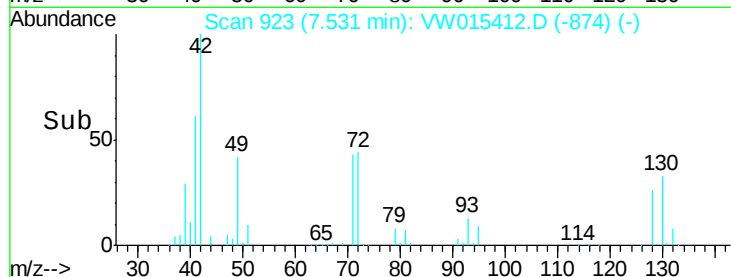
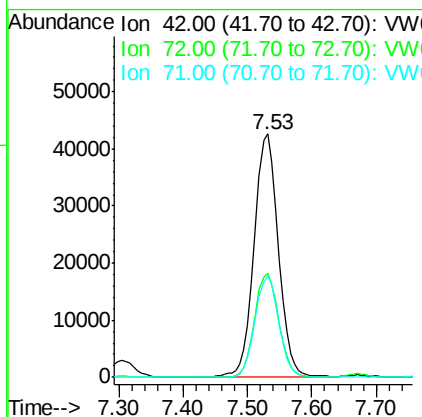
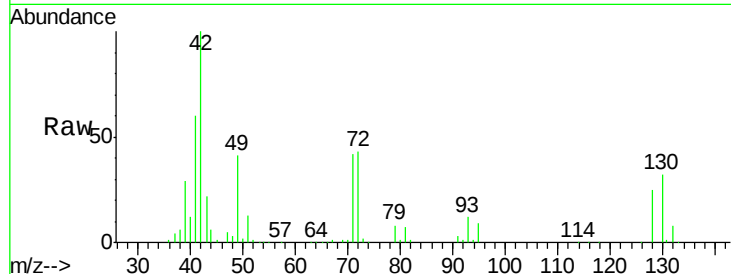
#29
Tetrahydrofuran
Concen: 275.513 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.6	50.4
71	40.9	32.1	48.1

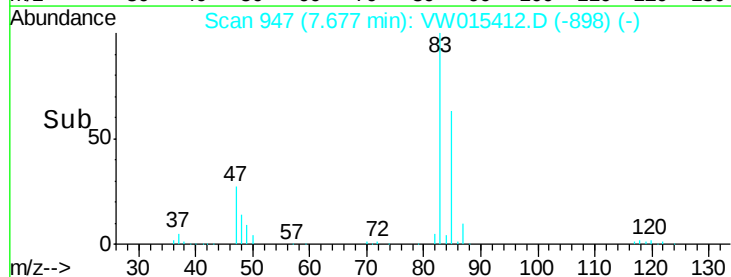
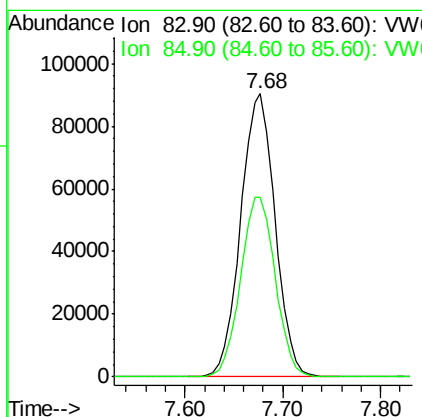
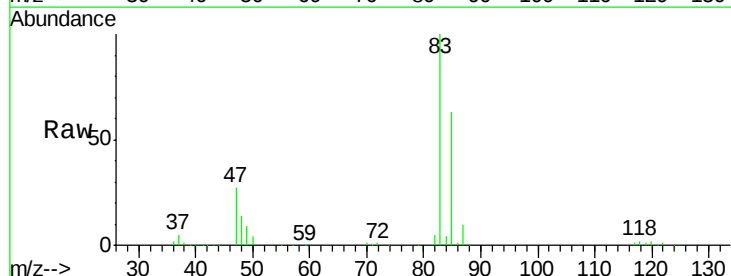
Manual Integrations
APPROVED

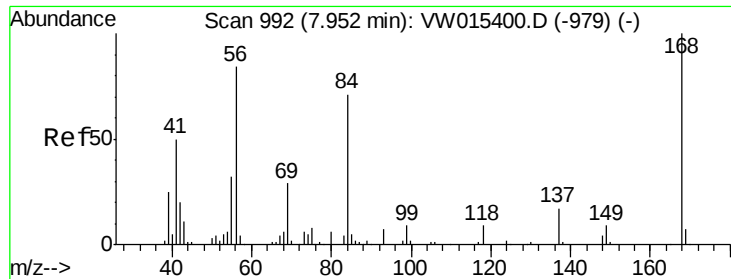
MMDadoda
5/7/2020 10:35:02 AM



#30
Chloroform
Concen: 48.884 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6





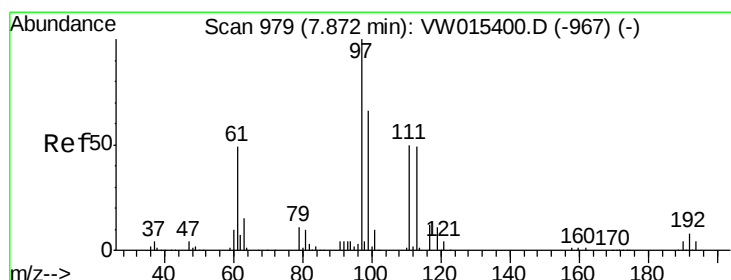
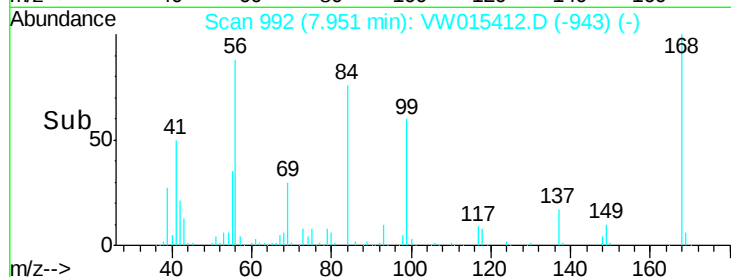
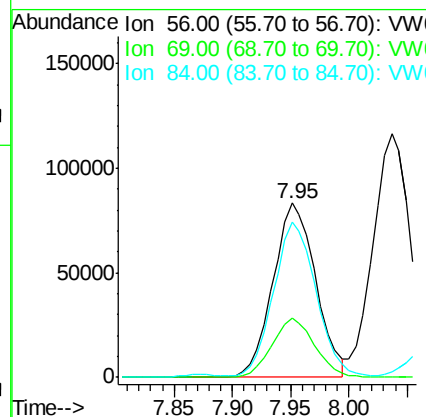
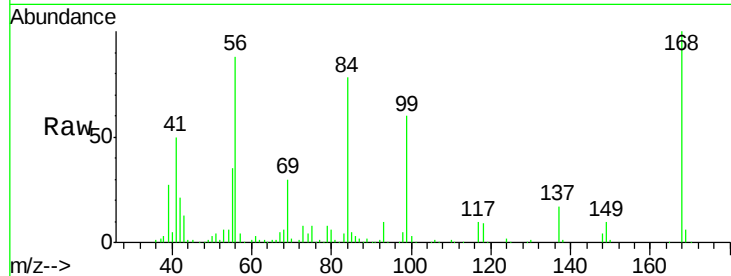
#31
Cyclohexane
Concen: 46.040 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.2	40.8
84	87.5	67.7	101.5

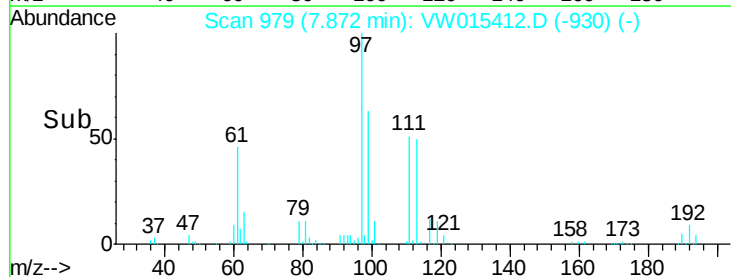
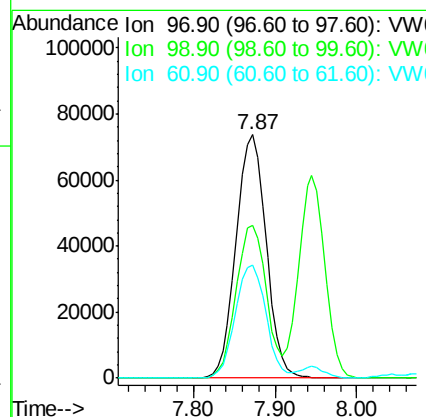
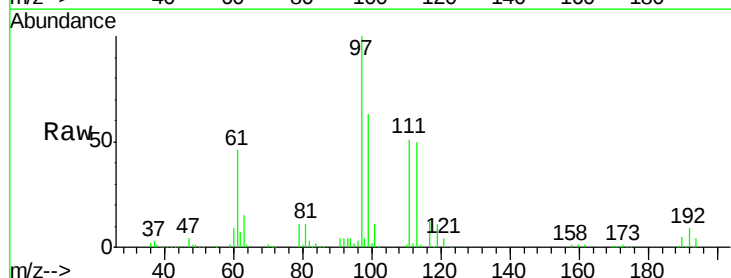
Manual Integrations
APPROVED

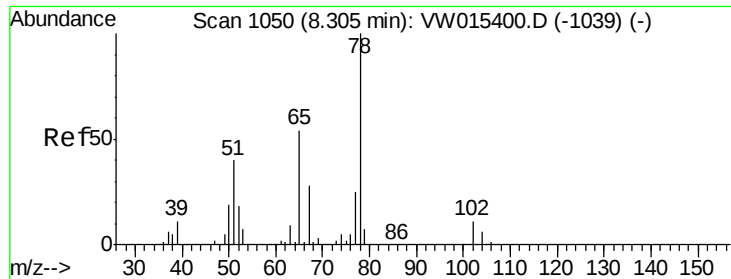
MMDadoda
5/7/2020 10:35:02 AM



#32
1,1,1-Trichloroethane
Concen: 49.748 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.7	76.1
61	47.3	38.0	57.0





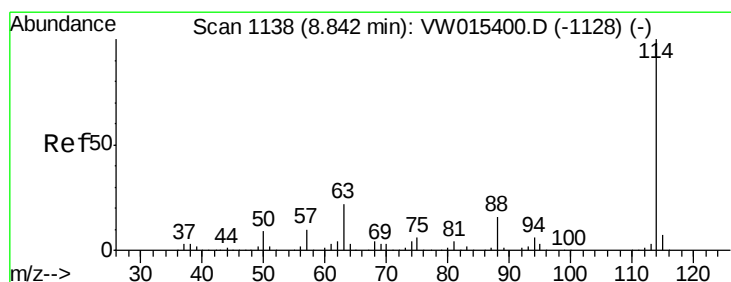
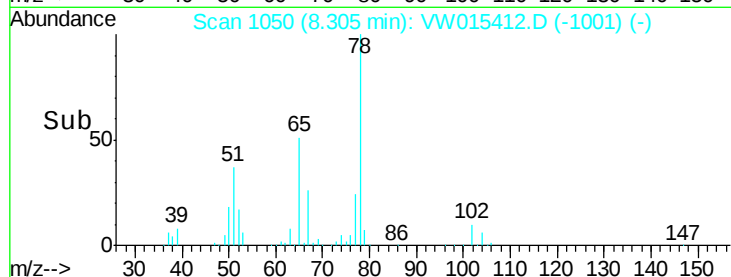
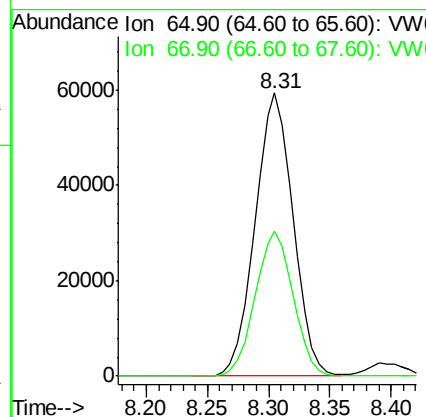
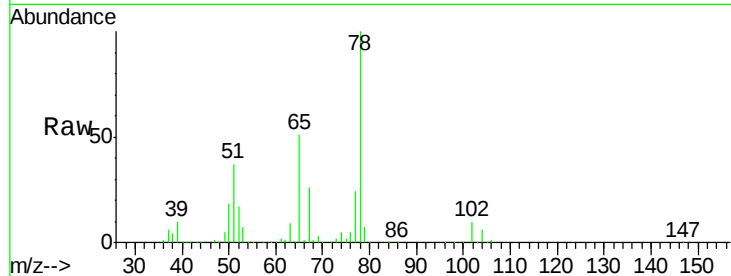
#33
 1,2-Dichloroethane-d4
 Concen: 51.156 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128335		
67	51.2	0.0	102.8	

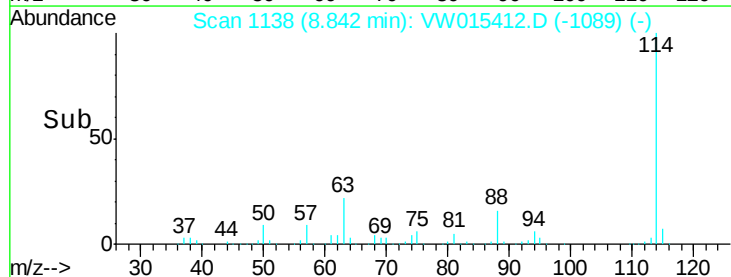
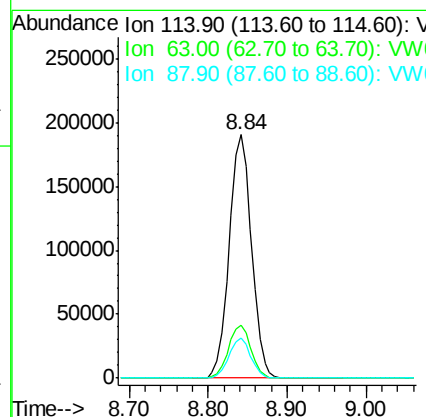
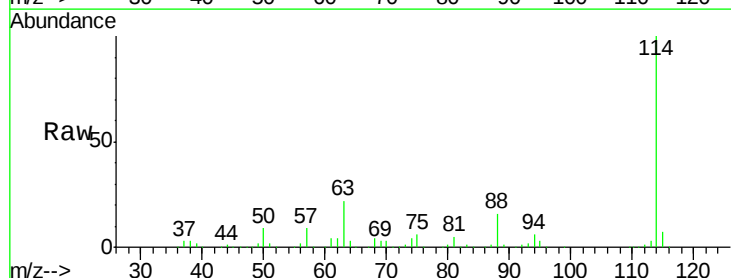
Manual Integrations
 APPROVED

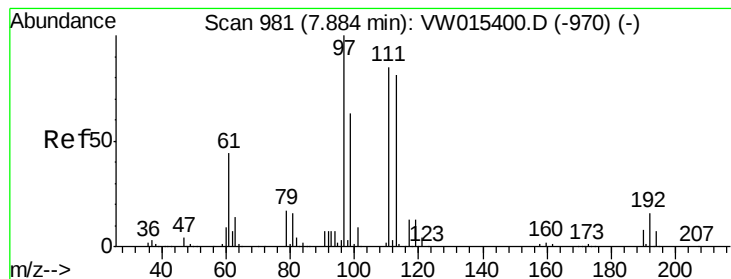
MMDadoda
 5/7/2020 10:35:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	374218		
63	21.8	0.0	43.4	
88	16.5	0.0	31.8	





#35

Dibromofluoromethane

Concen: 51.642 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 110919

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

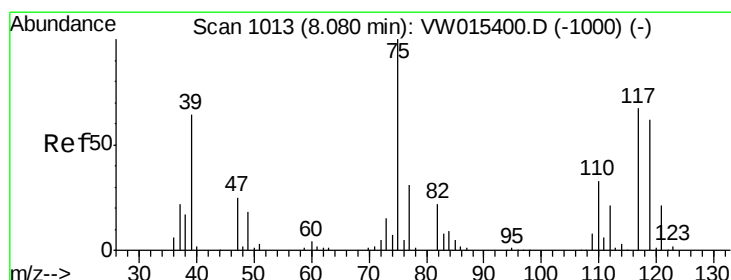
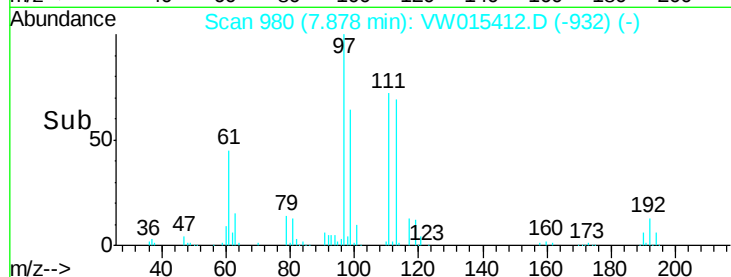
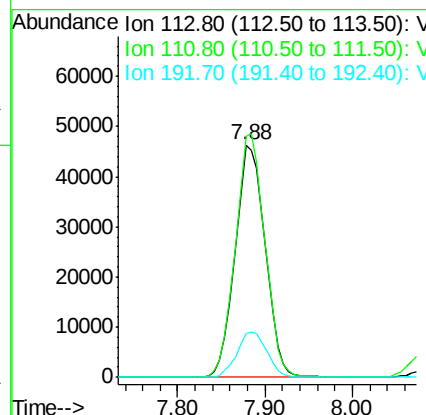
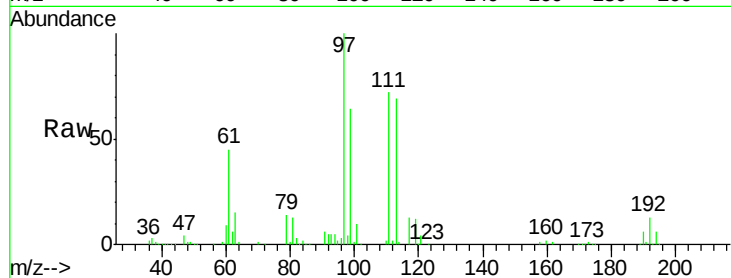
192 19.5 15.4 23.0

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:02 AM



#36

1,1-Dichloropropene

Concen: 49.745 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

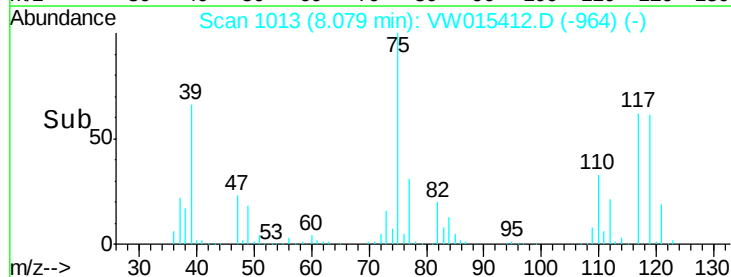
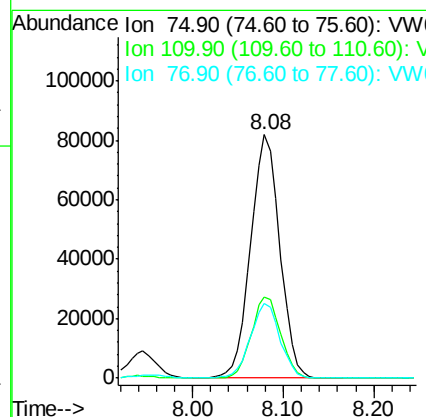
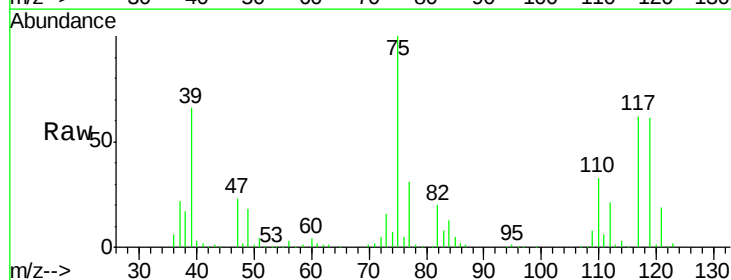
Tgt Ion: 75 Resp: 182894

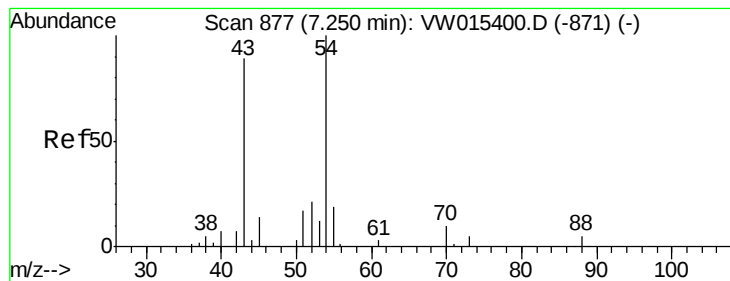
Ion Ratio Lower Upper

75 100

110 33.5 16.6 49.8

77 31.2 24.5 36.7





#37

Ethyl Acetate

Concen: 55.707 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

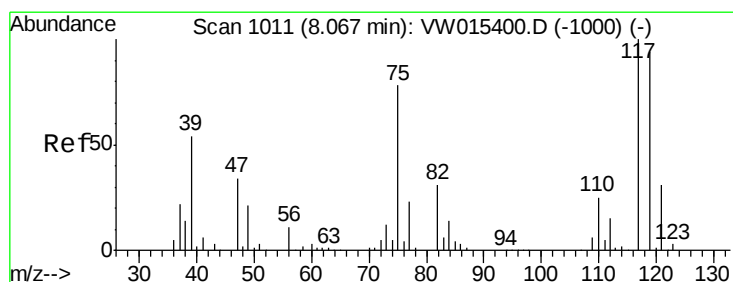
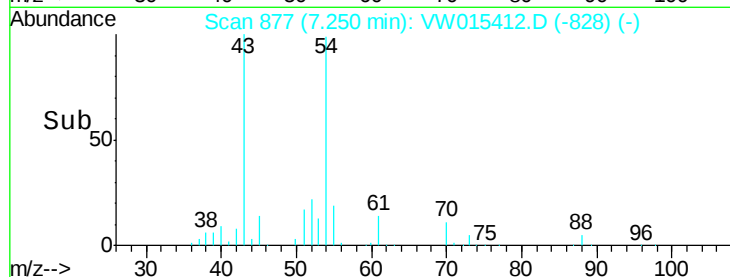
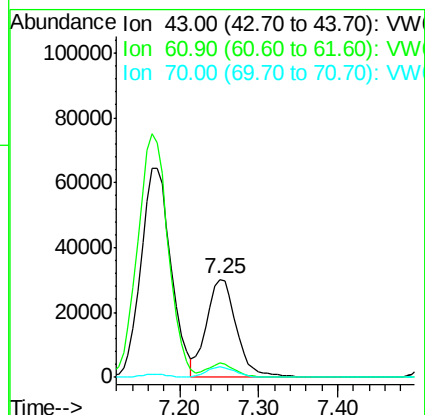
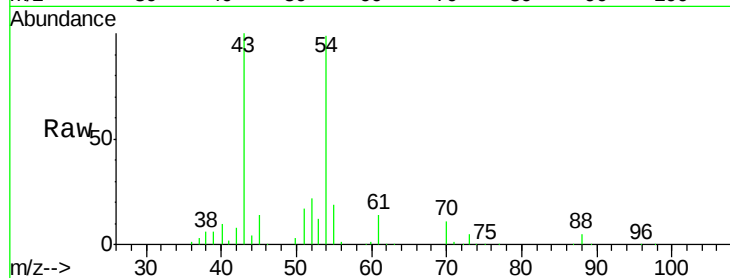
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	79472
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	10.4	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#38

Carbon Tetrachloride

Concen: 50.398 ug/l

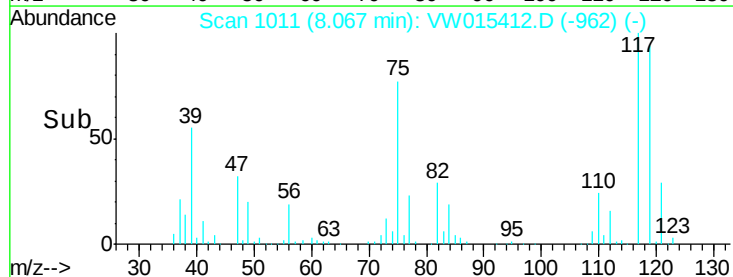
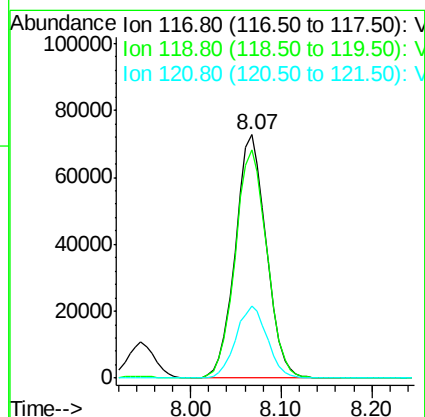
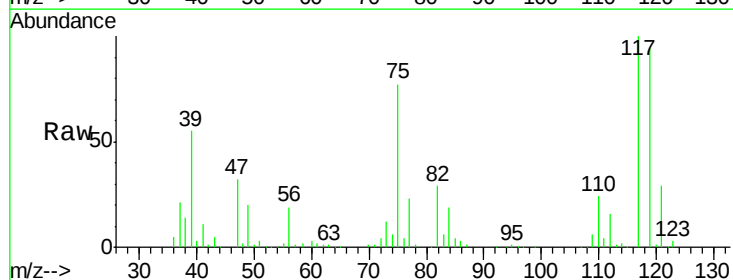
RT: 8.07 min Scan# 1011

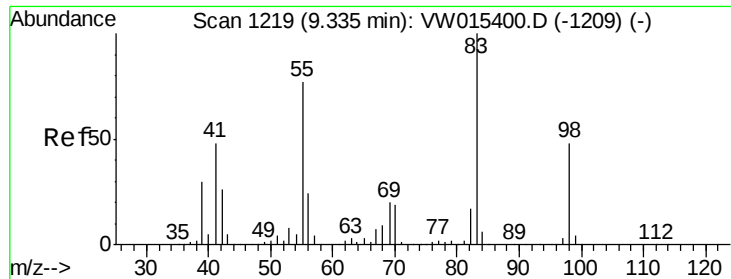
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	117	Resp:	173226
Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.4	113.0
121	29.4	24.8	37.2





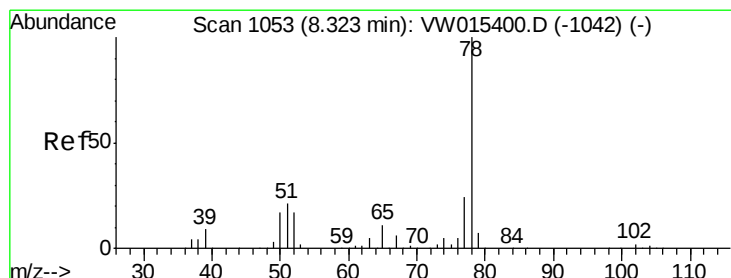
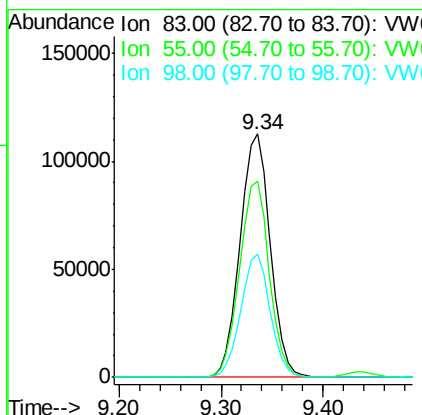
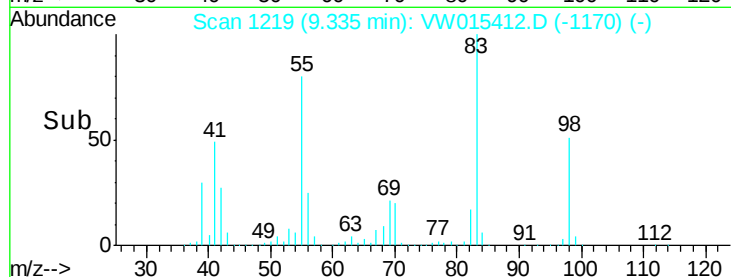
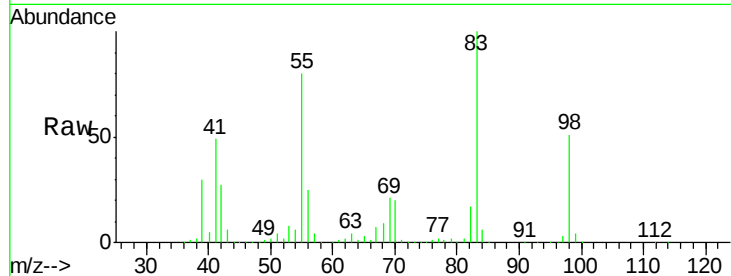
#39
Methvlcvclohexane
Concen: 49.792 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.4	61.9	92.9	
98	50.7	38.2	57.2	

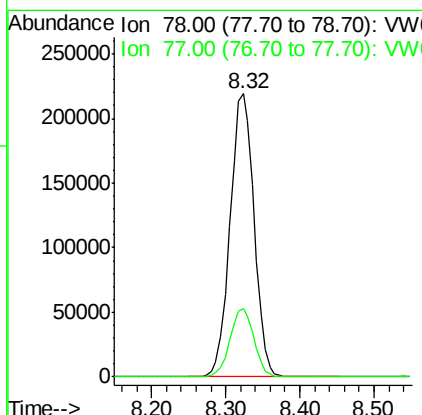
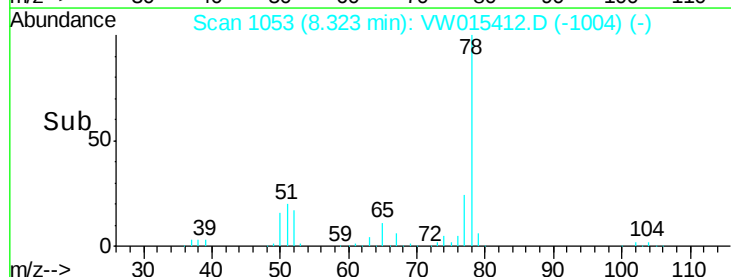
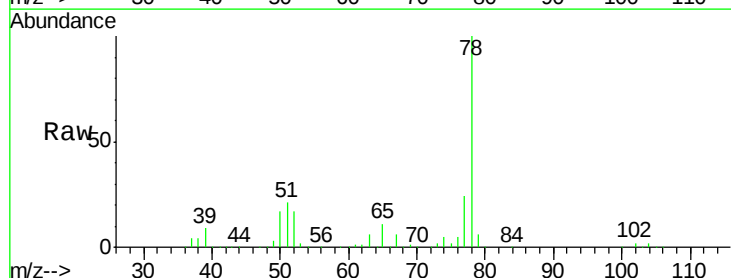
Manual Integrations
APPROVED

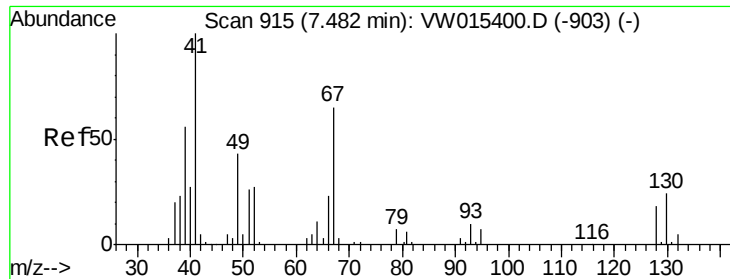
MMDadoda
5/7/2020 10:35:02 AM



#40
Benzene
Concen: 49.186 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.0	28.4	





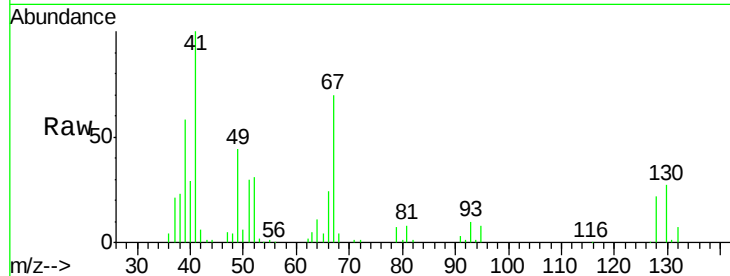
#41
Methacrylonitrile
Concen: 50.866 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	46.2	69.4
67	69.8	56.2	84.2
52	30.9	25.0	37.6

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



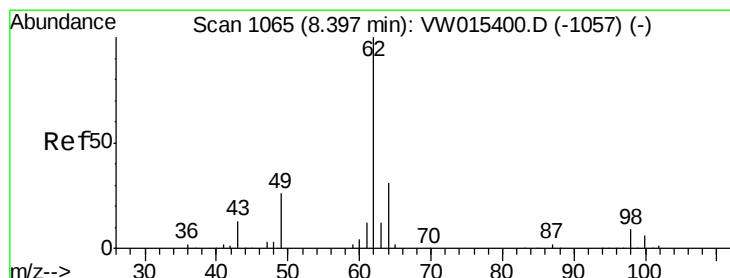
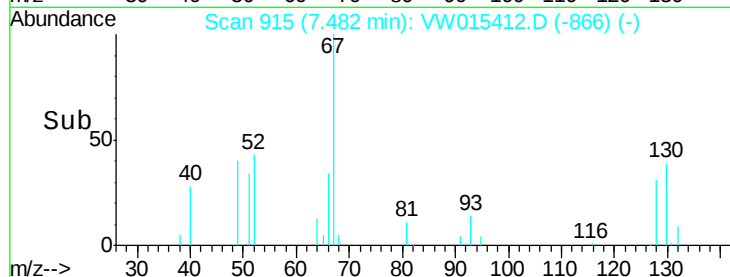
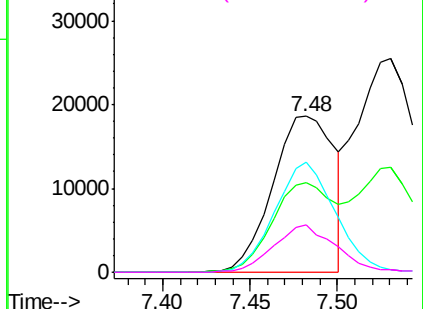
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

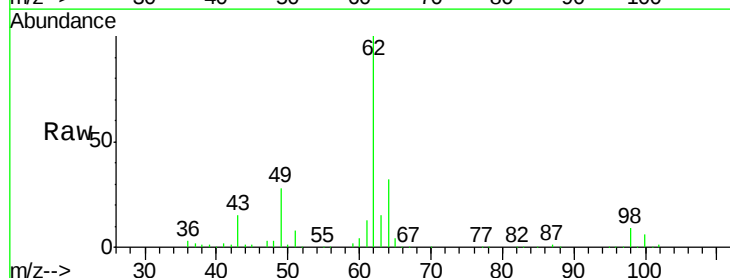
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 50.487 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

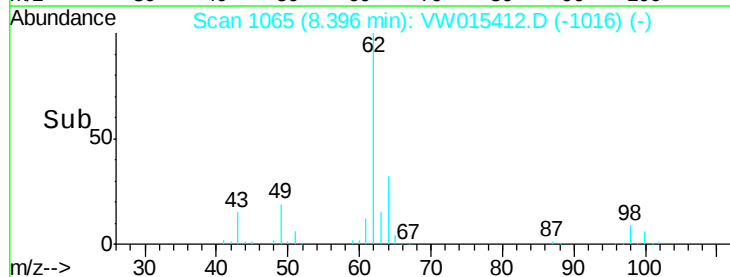
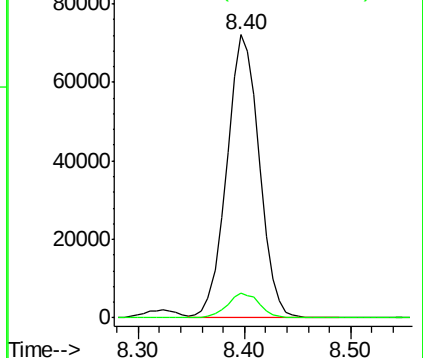
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

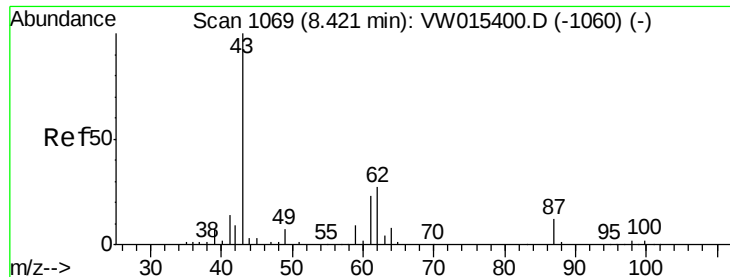


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.154 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

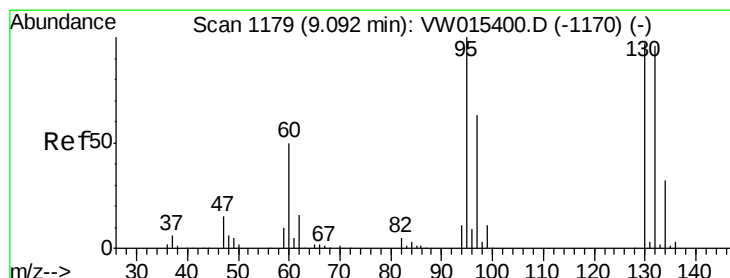
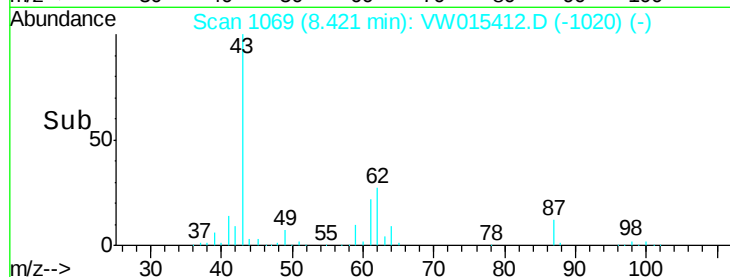
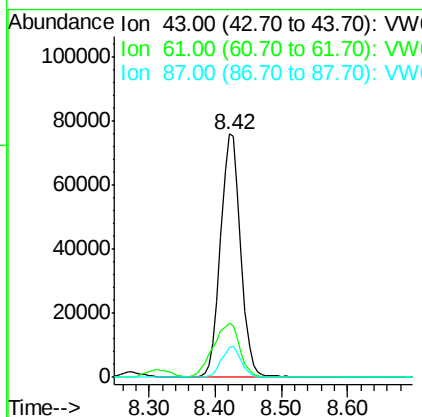
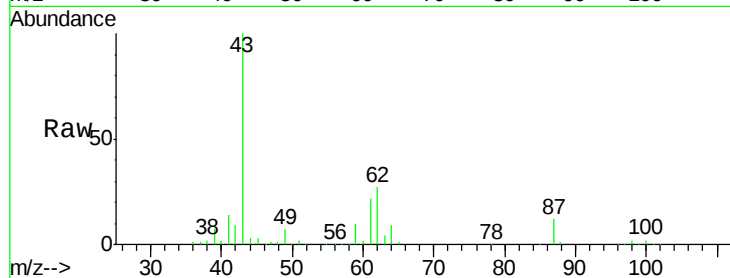
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	159478
Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.3	36.5
87	12.5	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#44

Trichloroethene

Concen: 50.032 ug/l

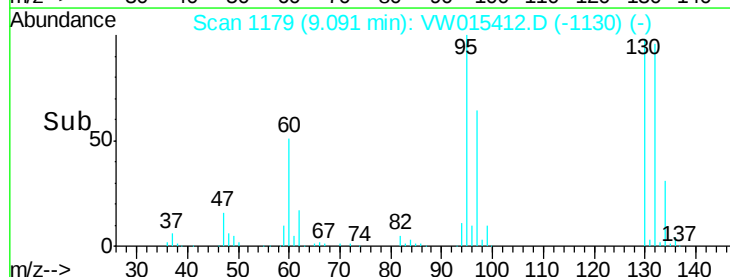
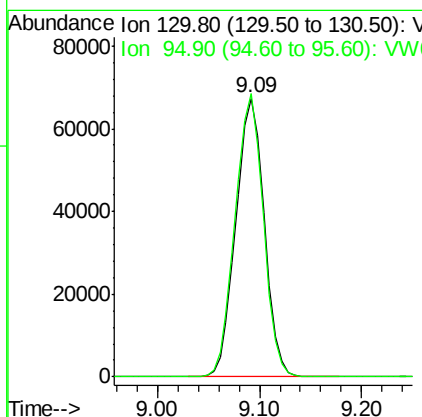
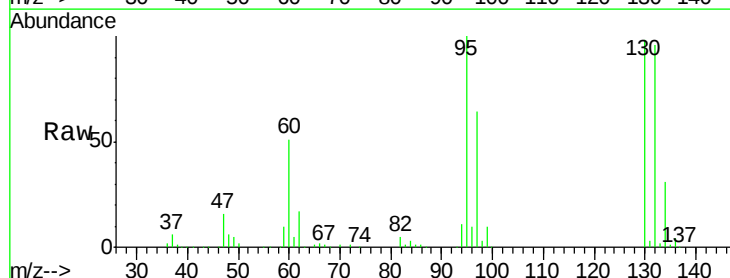
RT: 9.09 min Scan# 1179

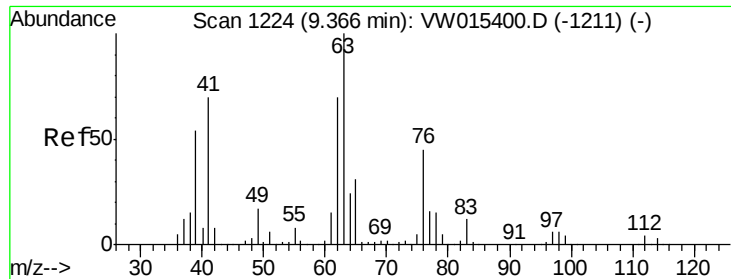
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	130	Resp:	130031
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	205.8





#45

1,2-Dichloropropane

Concen: 49.305 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 122133

Ion Ratio Lower Upper

63 100

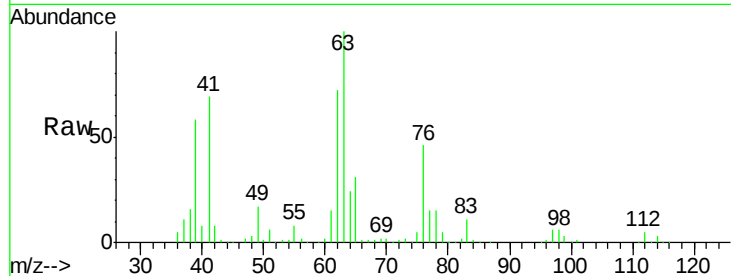
65 30.6 25.0 37.6

Manual Integrations

APPROVED

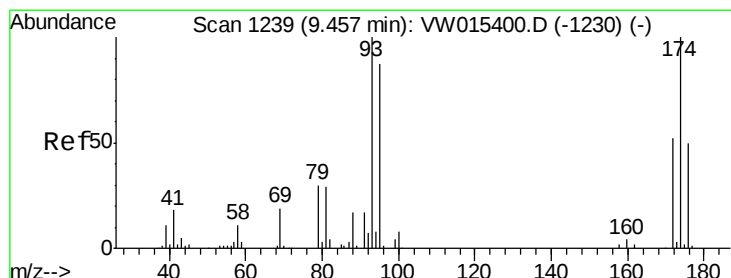
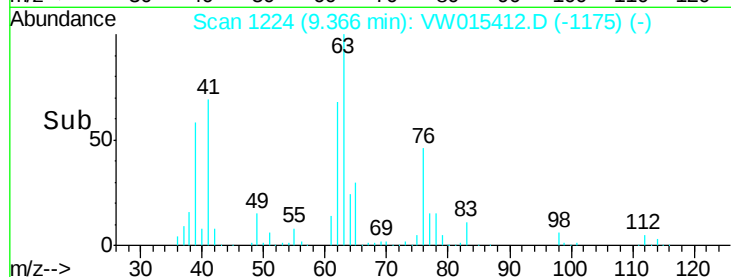
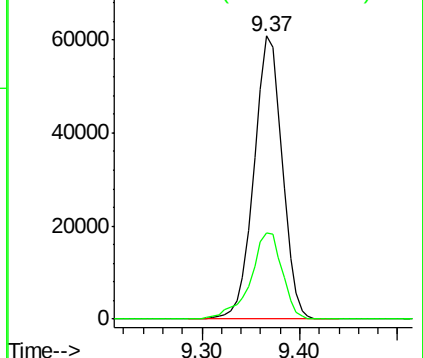
MMDadoda

5/7/2020 10:35:02 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 51.559 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

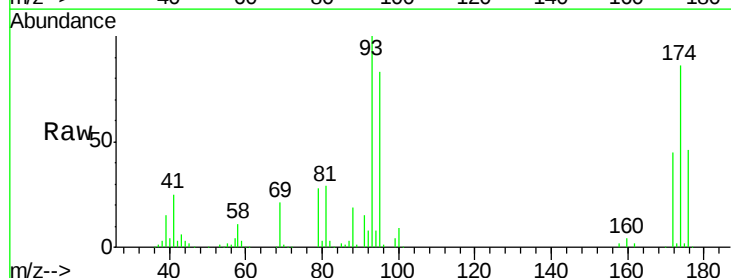
Tgt Ion: 93 Resp: 63522

Ion Ratio Lower Upper

93 100

95 82.0 67.0 100.4

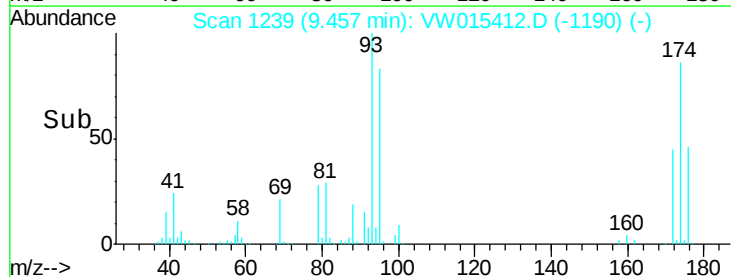
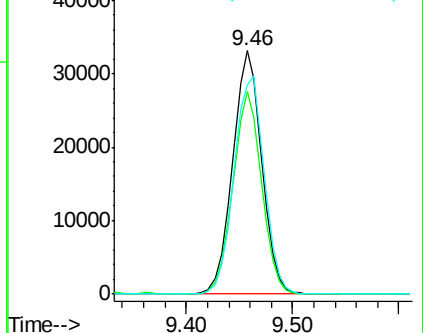
174 93.2 78.4 117.6

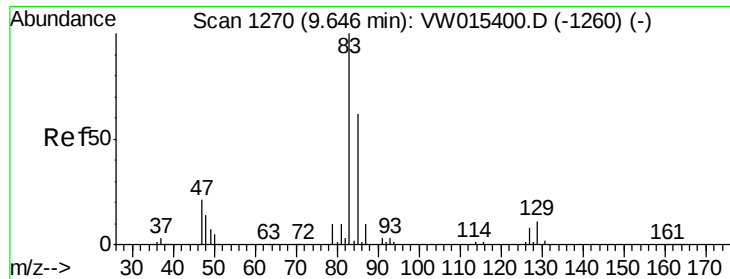


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.730 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

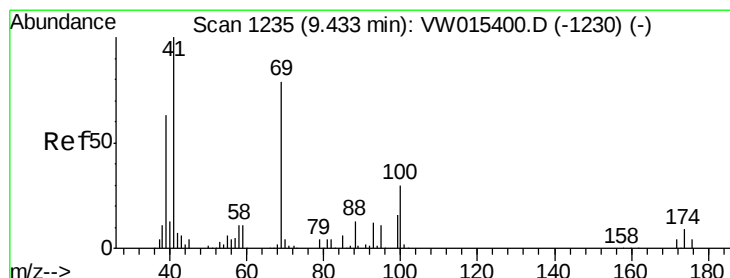
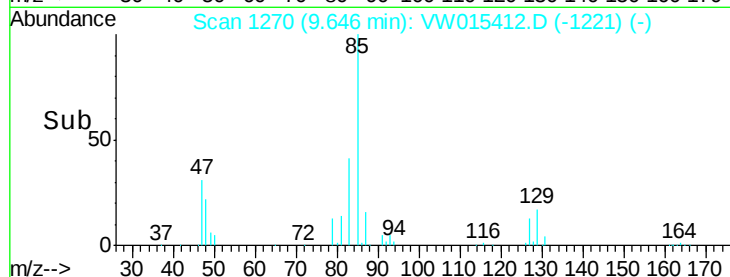
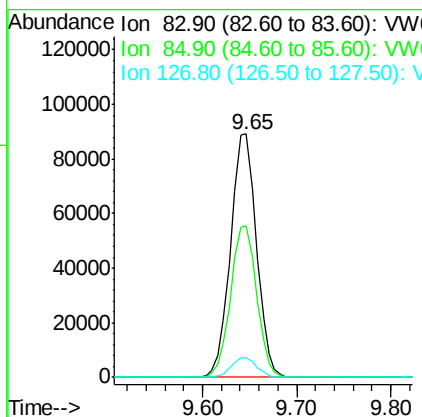
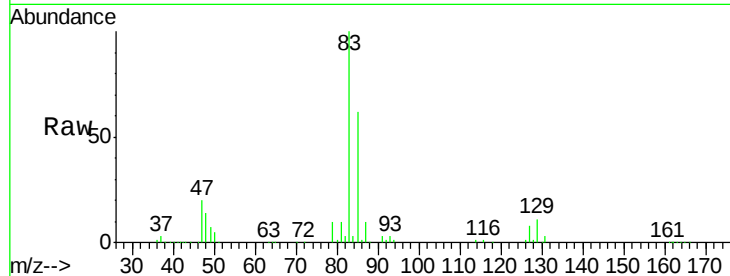
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170337
Ion Ratio	Lower	Upper	
83	100		
85	62.2	49.4	74.0
127	8.2	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#48

Methyl methacrylate

Concen: 53.550 ug/l

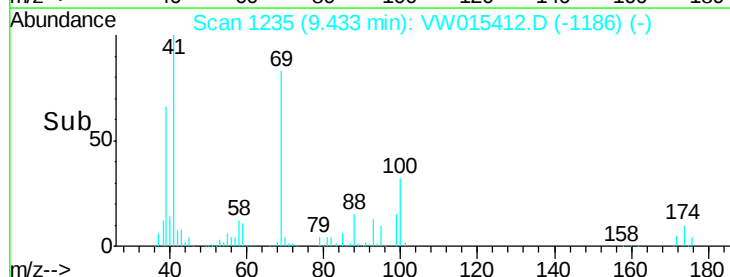
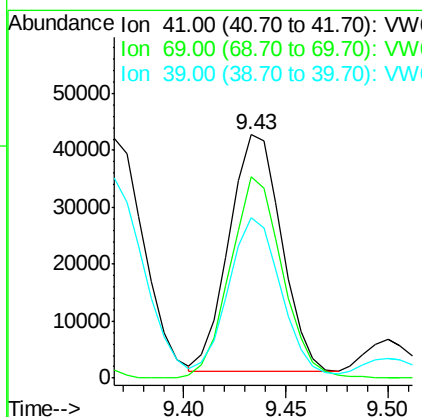
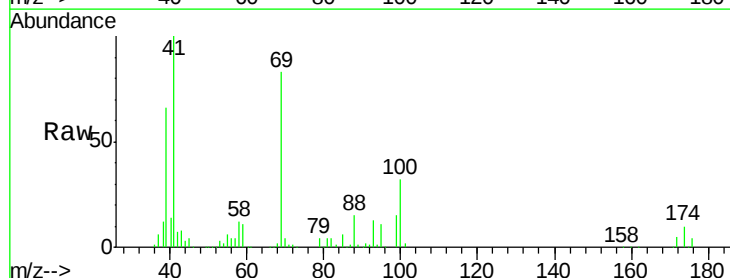
RT: 9.43 min Scan# 1235

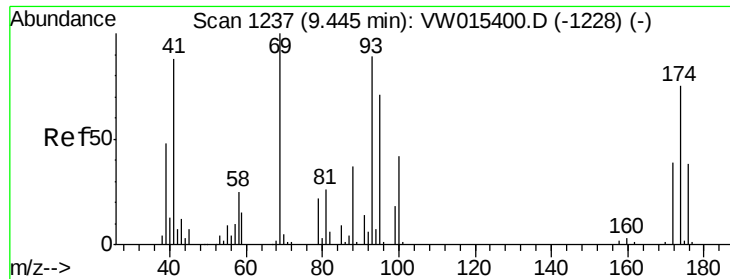
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	41	Resp:	74214
Ion Ratio	Lower	Upper	
41	100		
69	85.1	66.2	99.4
39	68.7	51.1	76.7





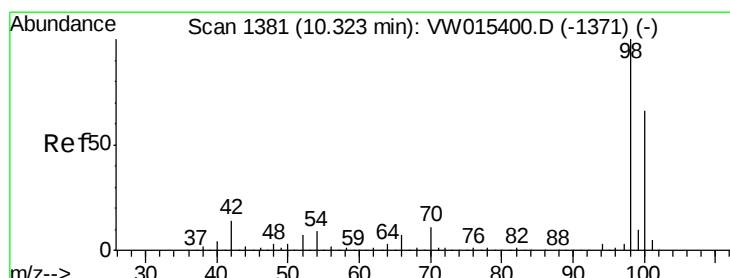
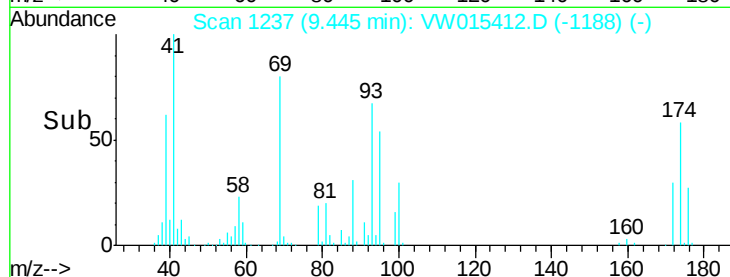
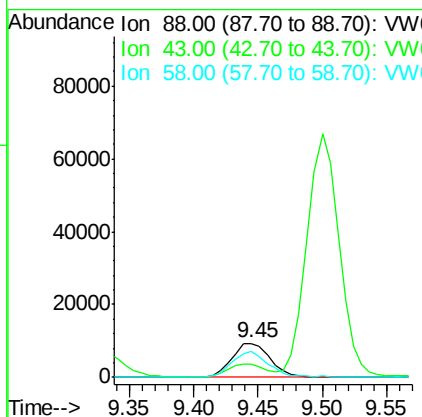
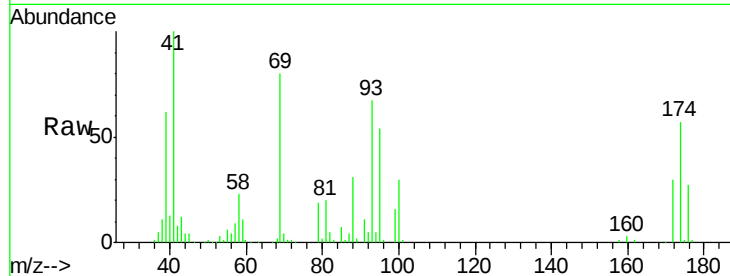
#49
 1,4-Dioxane
 Concen: 1265.424 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	19620
Ion	Ratio	Lower	Upper
88	100		
43	37.5	30.6	45.8
58	72.4	56.3	84.5

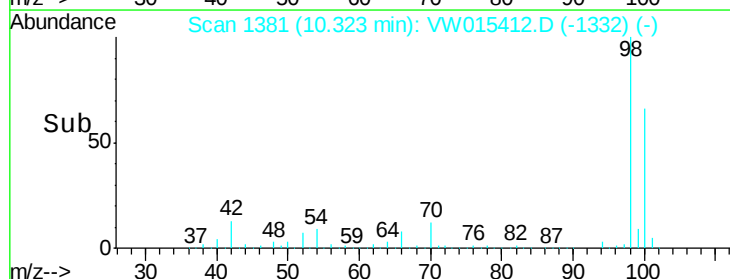
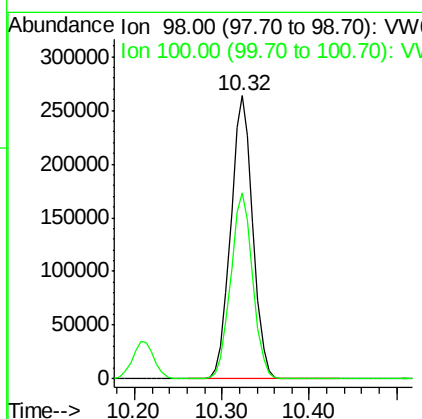
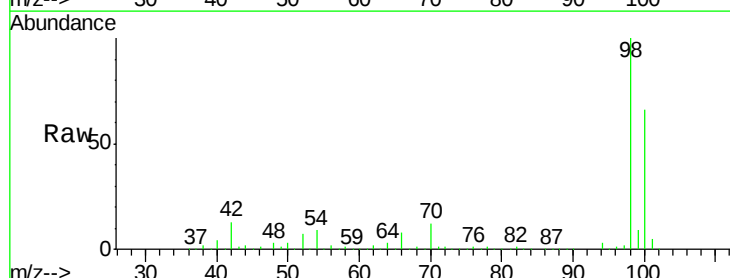
Manual Integrations
 APPROVED

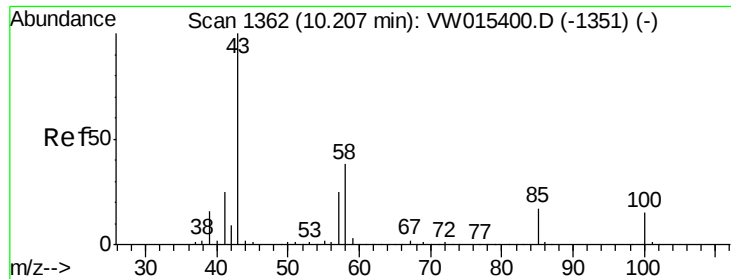
MMDadoda
 5/7/2020 10:35:02 AM



#50
 Toluene-d8
 Concen: 51.904 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion	98	Resp	461357
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 279.642 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 393198

Ion Ratio Lower Upper

43 100

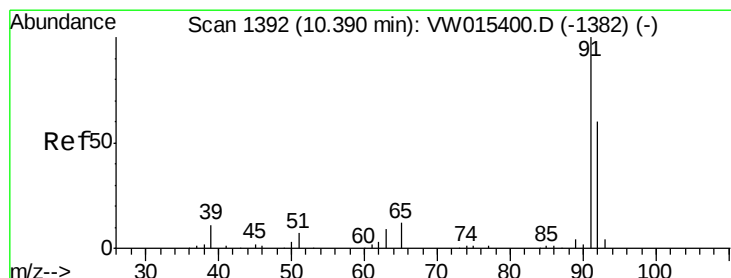
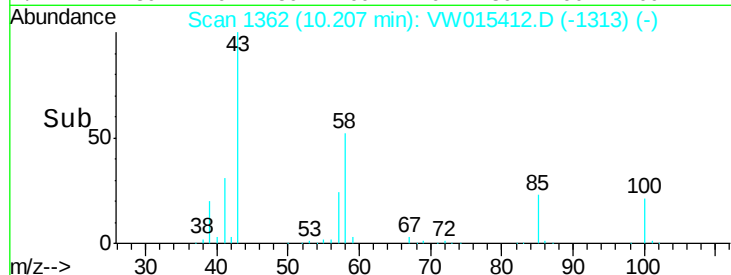
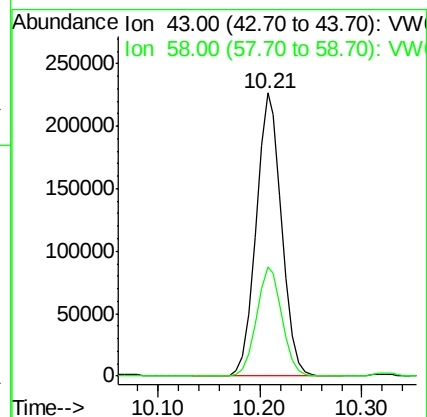
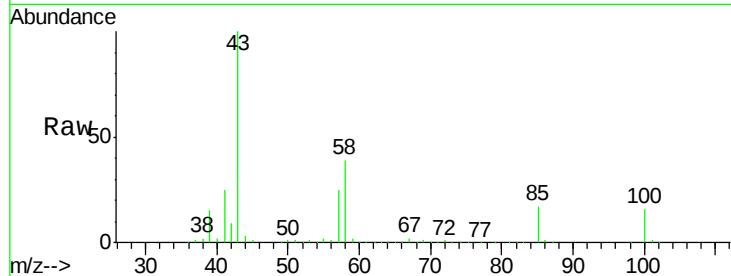
58 38.7 30.8 46.2

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:02 AM



#52

Toluene

Concen: 49.058 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015412.D

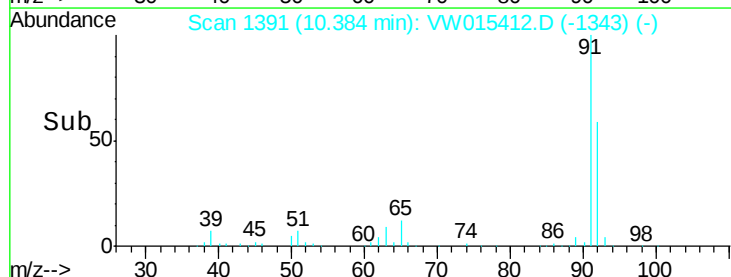
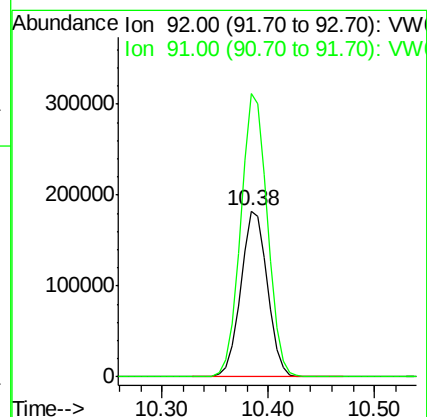
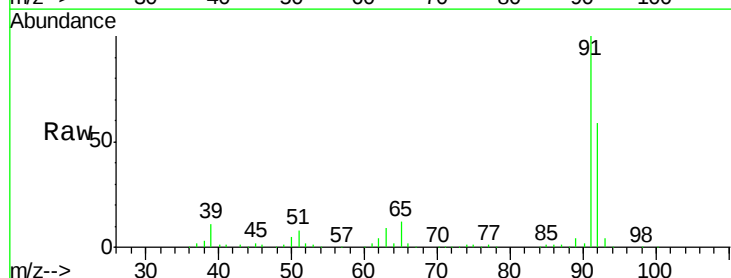
Acq: 06 May 2020 15:44

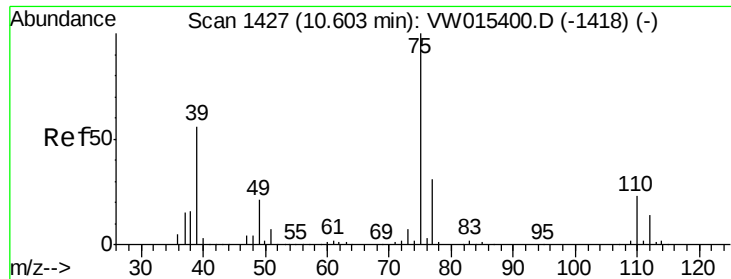
Tgt Ion: 92 Resp: 319674

Ion Ratio Lower Upper

92 100

91 171.7 135.9 203.9





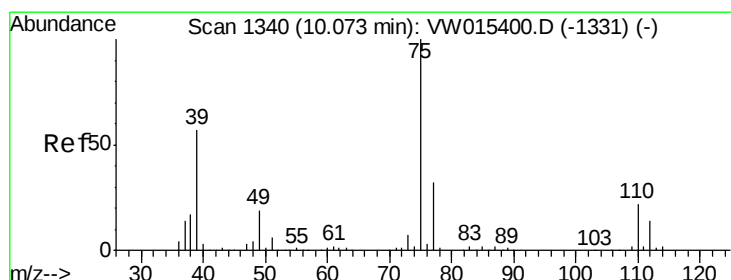
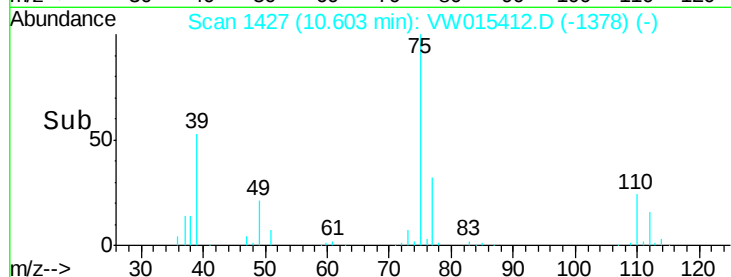
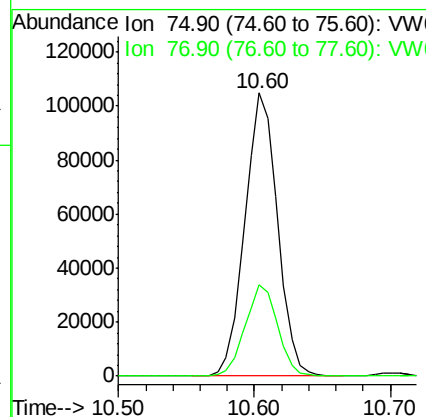
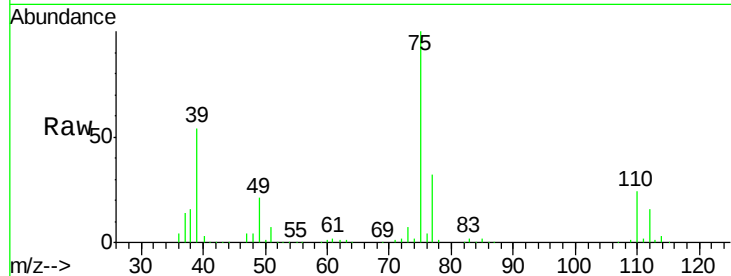
#53
 t-1,3-Dichloropropene
 Concen: 51.387 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 176116
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.9 37.3

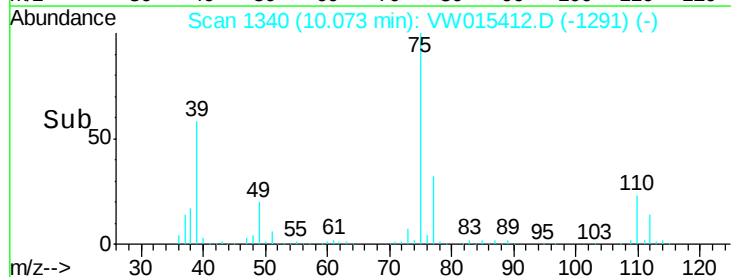
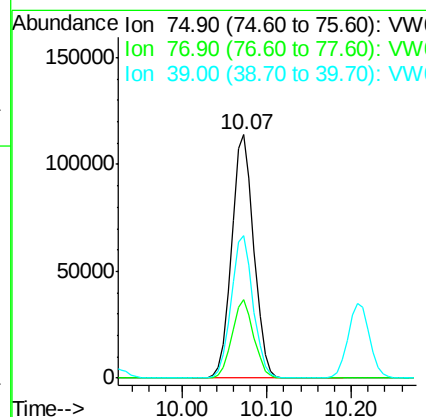
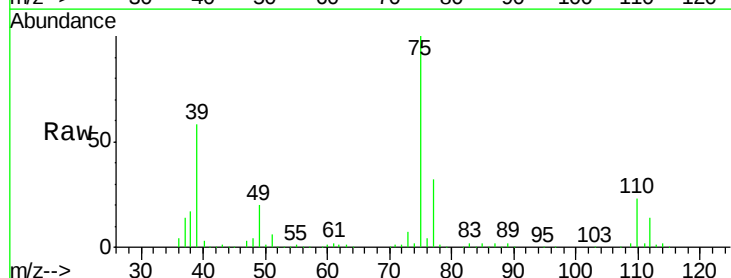
Manual Integrations
 APPROVED

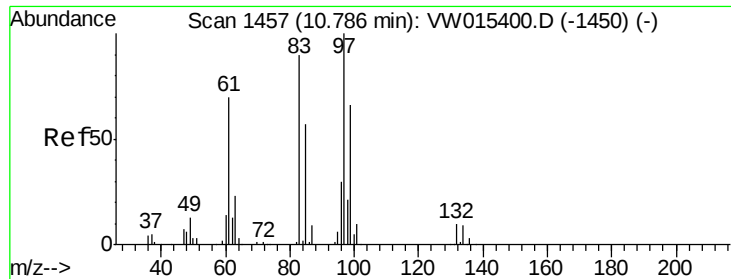
MMDadoda
 5/7/2020 10:35:02 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.494 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion: 75 Resp: 203765
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4
 39 58.3 45.6 68.4





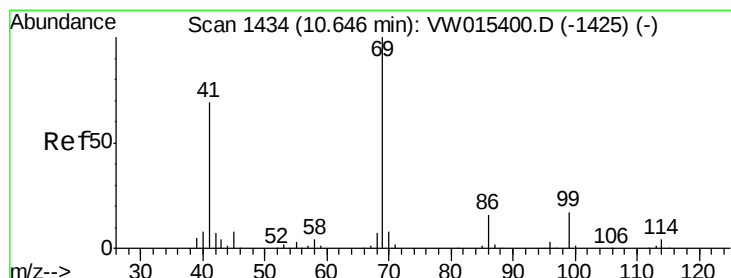
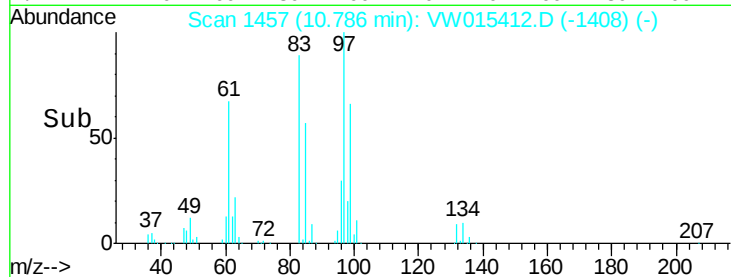
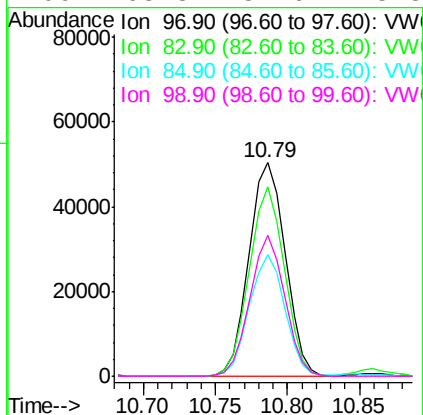
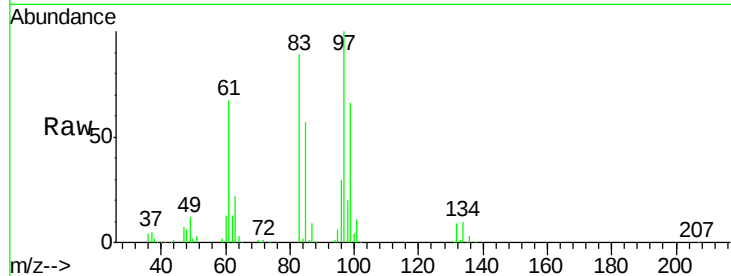
#55
 1,1,2-Trichloroethane
 Concen: 50.524 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88023
Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.2	108.4
85	56.8	45.2	67.8
99	65.8	52.6	78.8

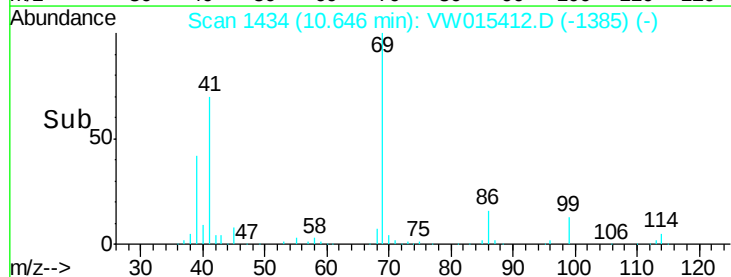
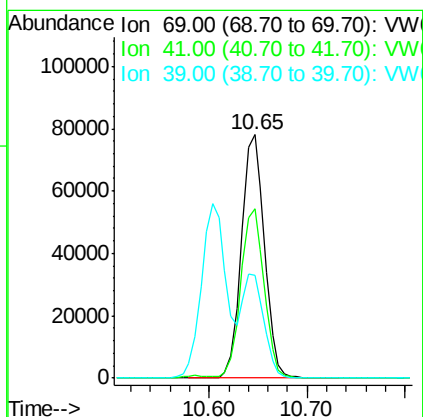
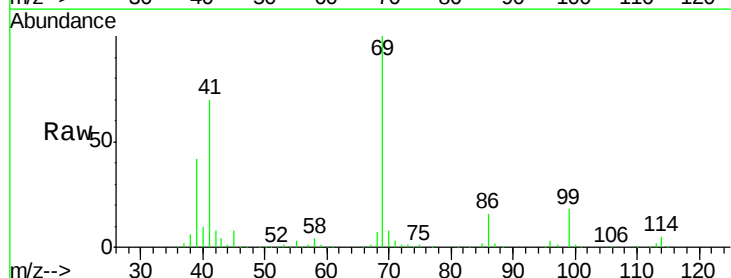
Manual Integrations
 APPROVED

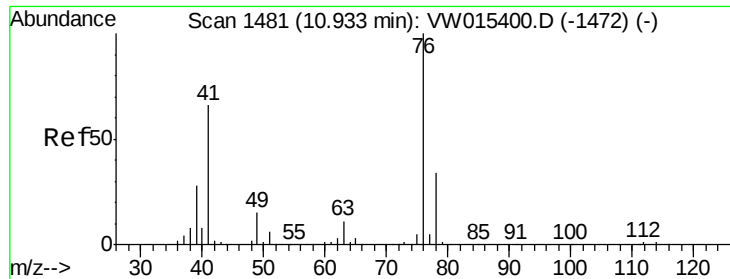
MMDadoda
 5/7/2020 10:35:02 AM



#56
 Ethyl methacrylate
 Concen: 53.251 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion:	69	Resp:	127470
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.3	82.9
39	40.1	31.9	47.9





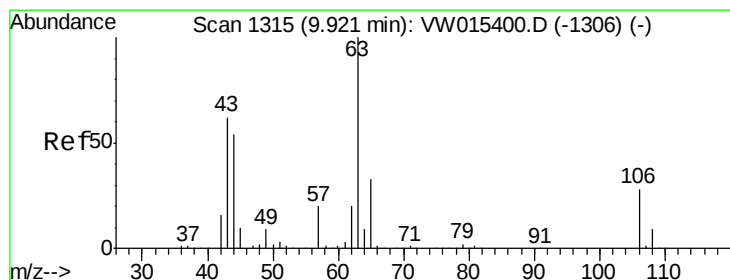
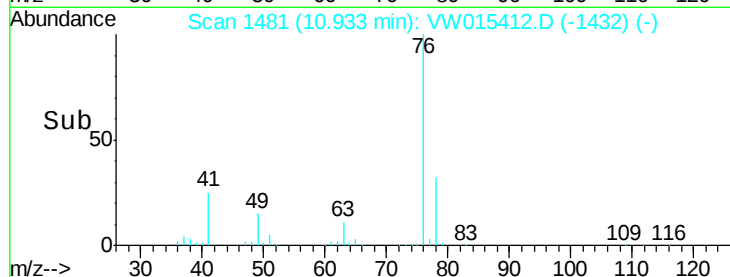
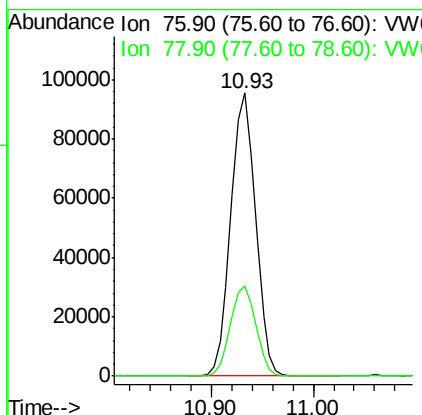
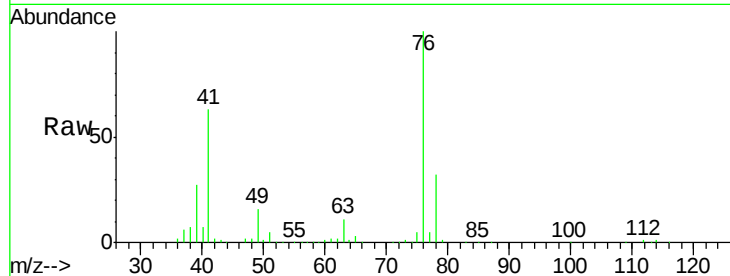
#57
 1,3-Dichloropropane
 Concen: 51.290 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 160663
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5

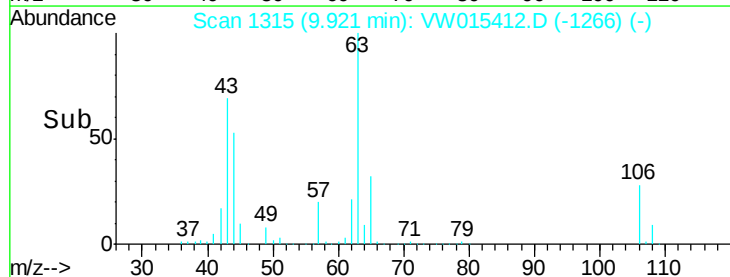
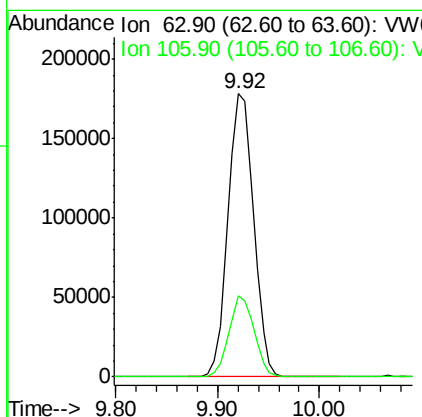
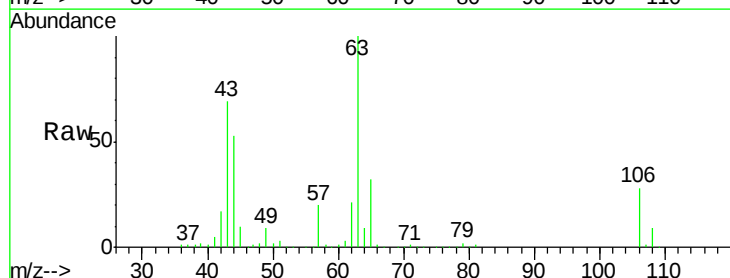
Manual Integrations
 APPROVED

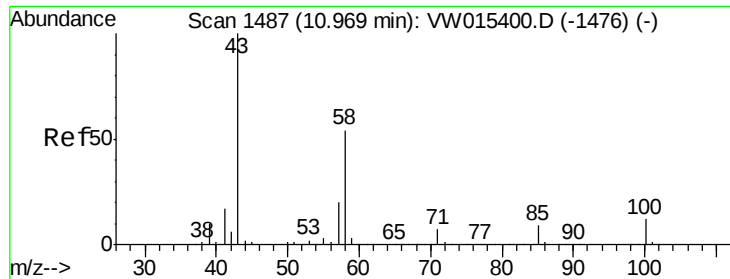
MMDadoda
 5/7/2020 10:35:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.308 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion: 63 Resp: 310133
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8





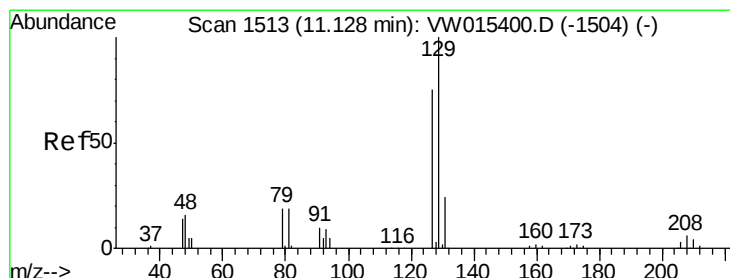
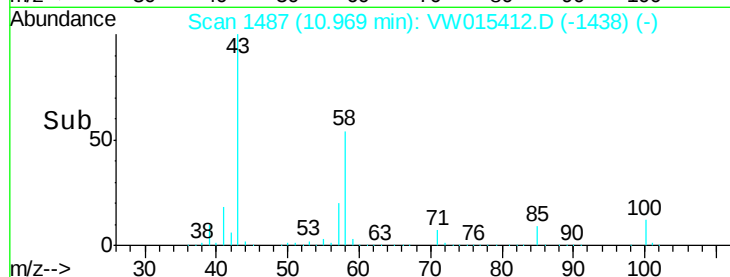
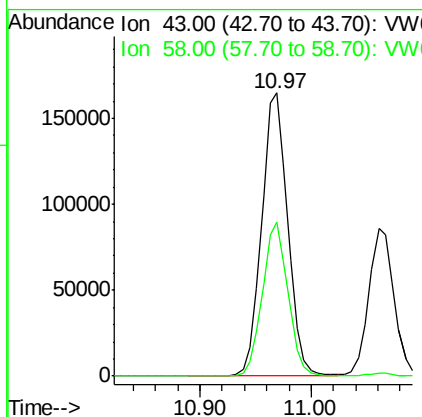
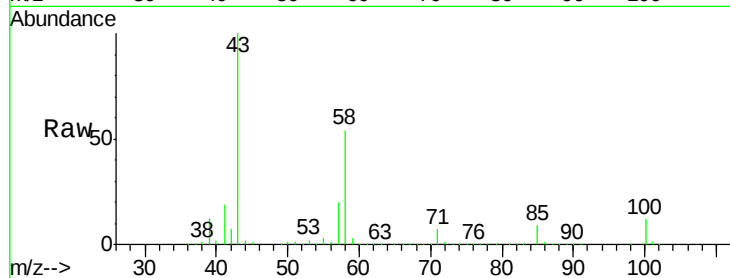
#59
2-Hexanone
Concen: 283.419 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 269643
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.0

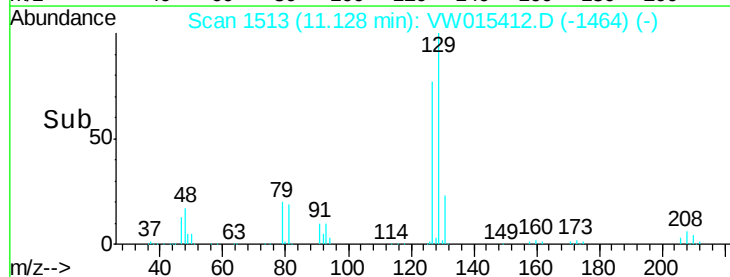
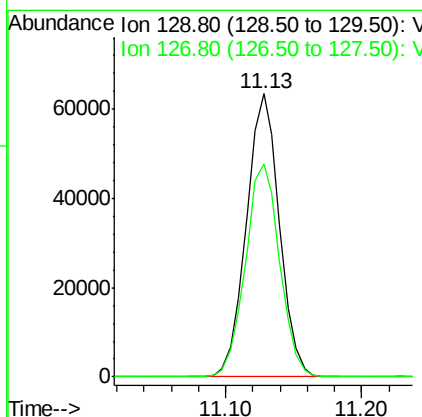
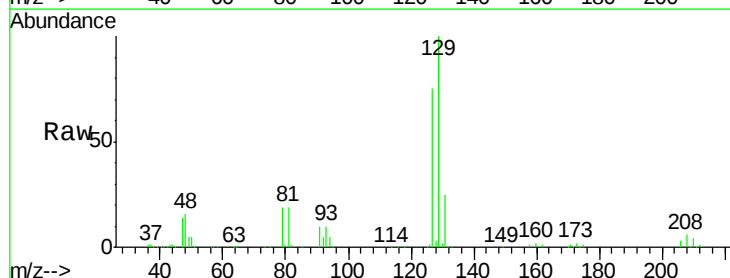
Manual Integrations
APPROVED

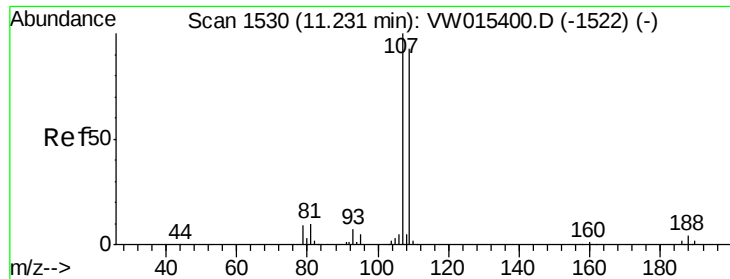
MMDadoda
5/7/2020 10:35:02 AM



#60
Dibromochloromethane
Concen: 51.455 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion: 129 Resp: 107816
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.068 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 85892

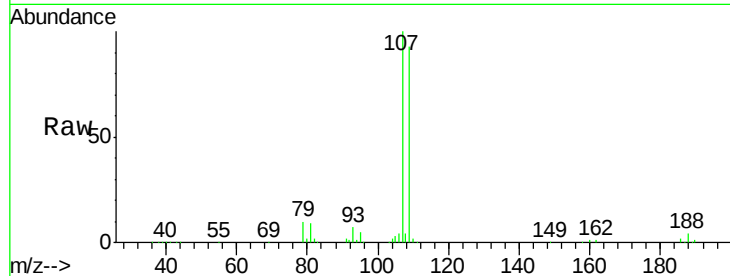
Ion Ratio Lower Upper

107 100

109 94.2 75.0 112.4

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

50000

40000

30000

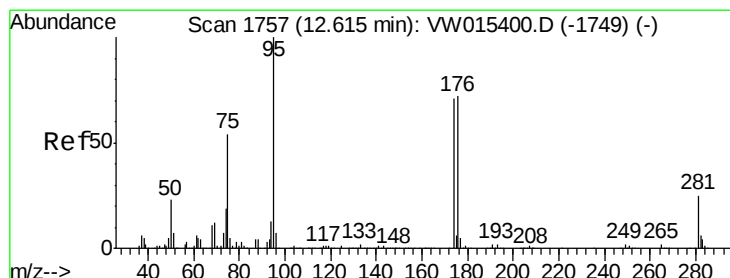
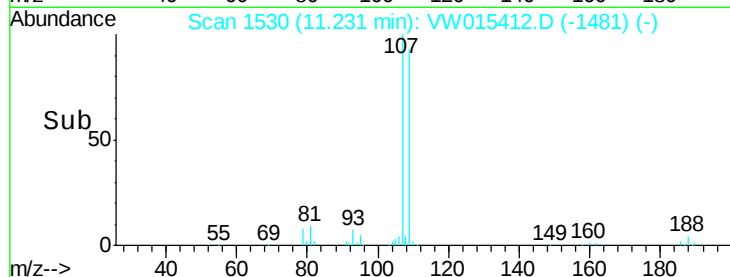
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 52.794 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

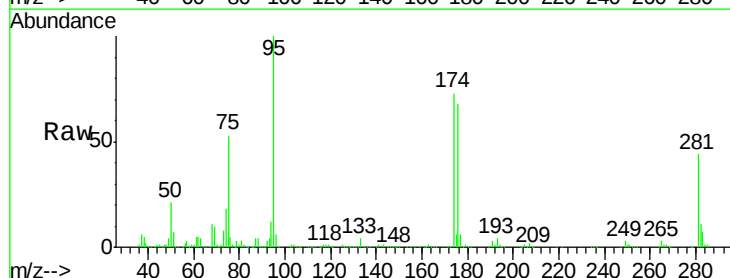
Tgt Ion: 95 Resp: 173281

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.6

176 71.6 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

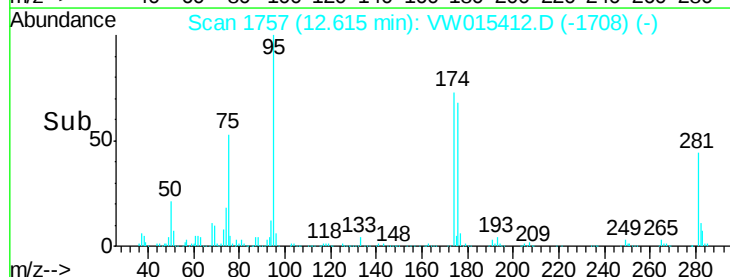
100000

50000

0

Time-->

12.60 12.70





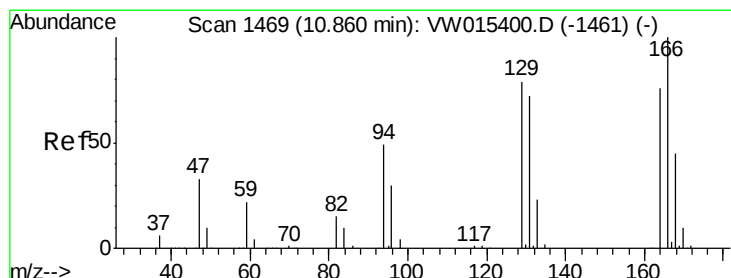
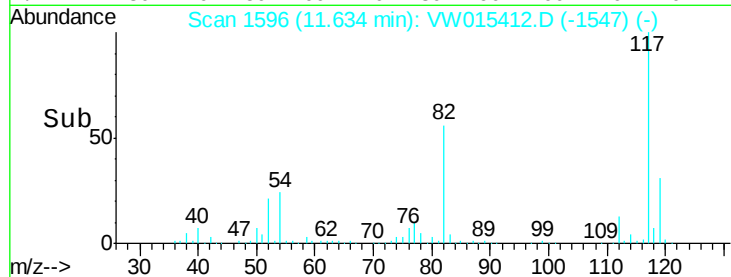
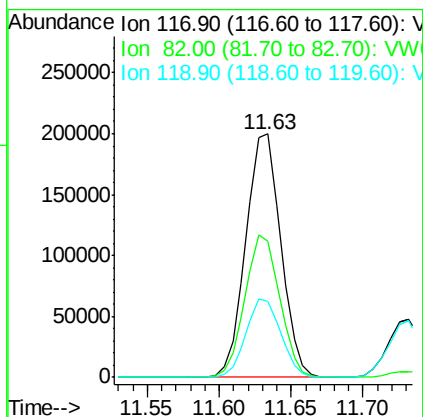
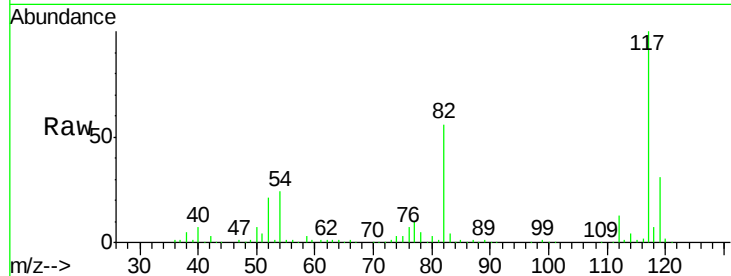
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.4	69.6
119	31.3	24.6	37.0

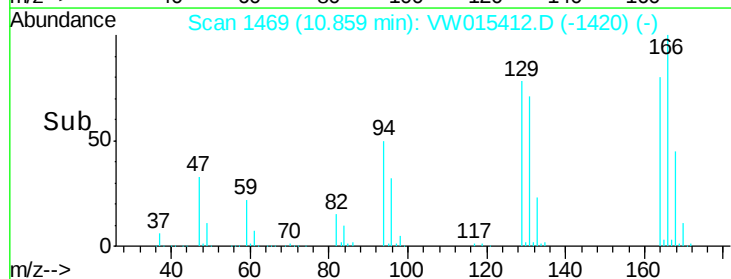
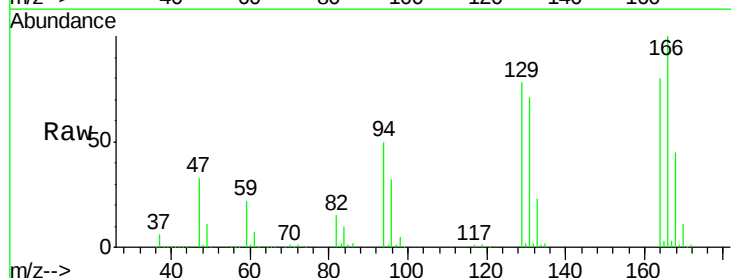
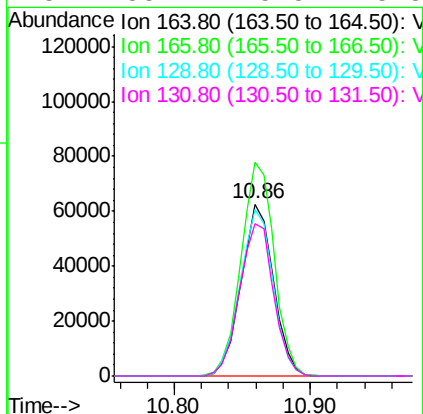
Manual Integrations
APPROVED

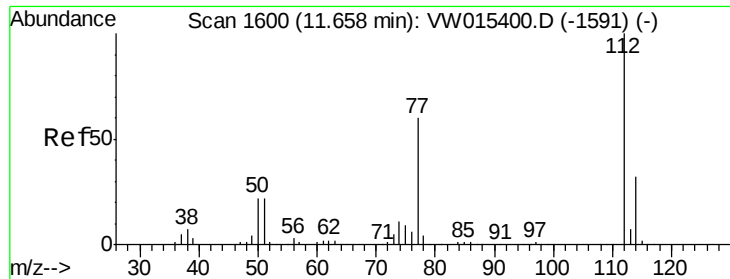
MMDadoda
5/7/2020 10:35:02 AM



#64
Tetrachloroethene
Concen: 50.812 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	104.9	157.3
129	97.1	82.7	124.1
131	88.7	75.5	113.3





#65

Chlorobenzene

Concen: 50.023 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 331619

Ion Ratio Lower Upper

112 100

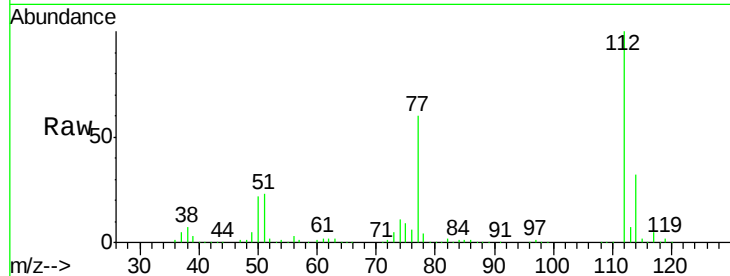
114 32.0 25.6 38.4

Manual Integrations

APPROVED

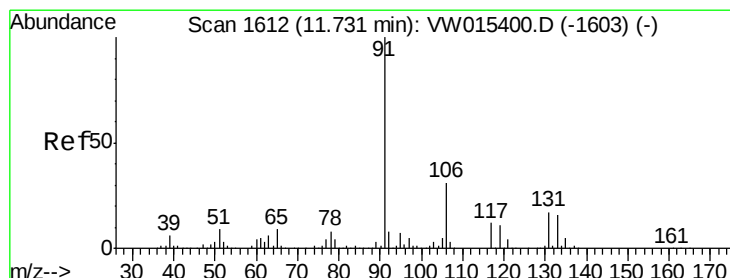
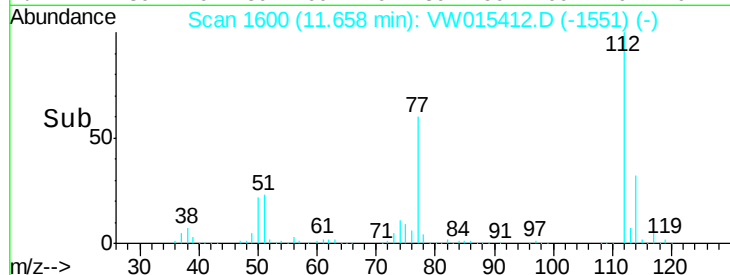
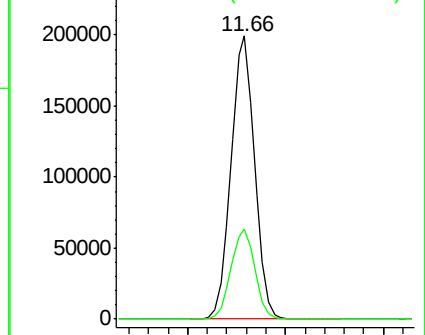
MMDadoda

5/7/2020 10:35:02 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.392 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

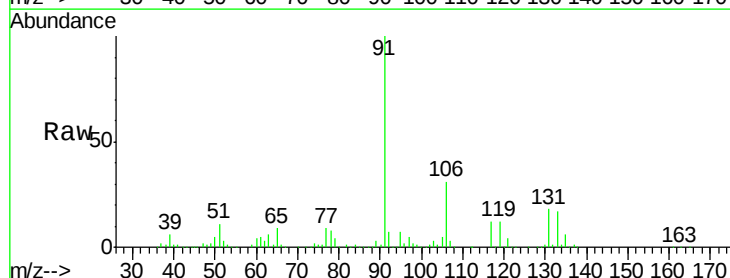
Tgt Ion:131 Resp: 118443

Ion Ratio Lower Upper

131 100

133 95.0 47.9 143.8

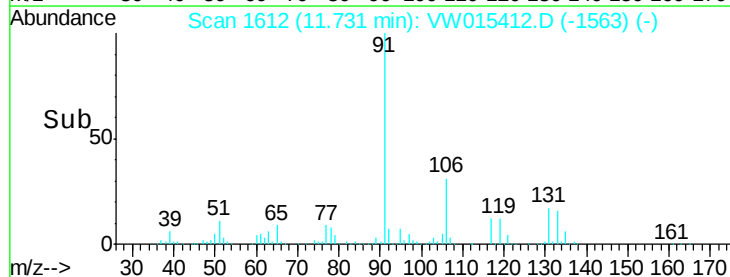
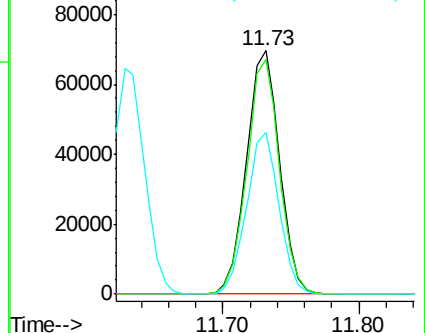
119 65.3 33.0 99.0

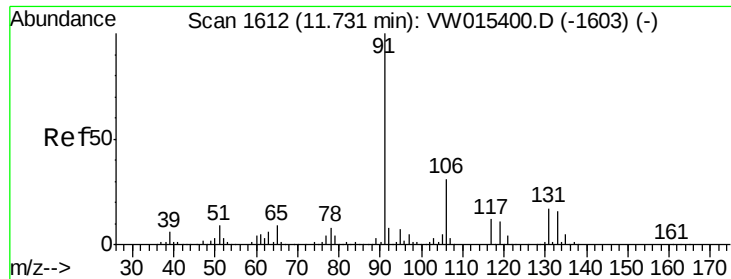


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





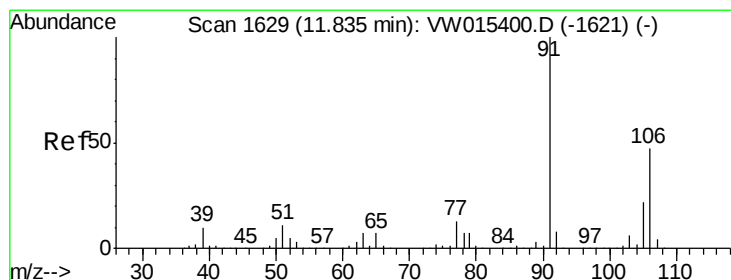
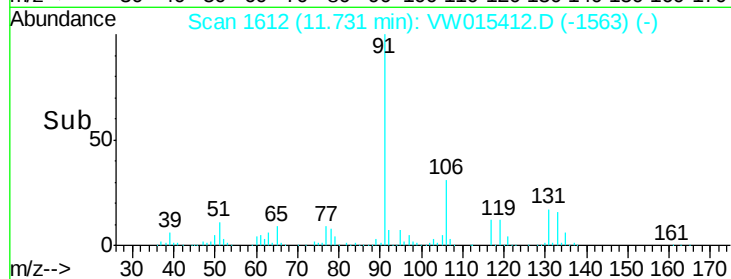
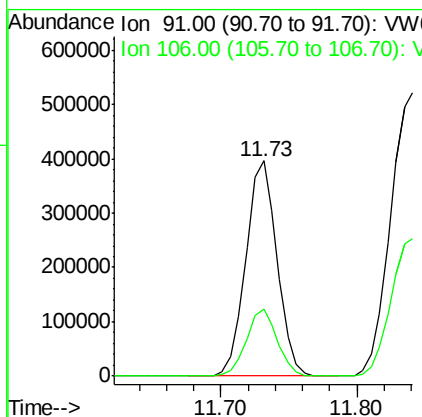
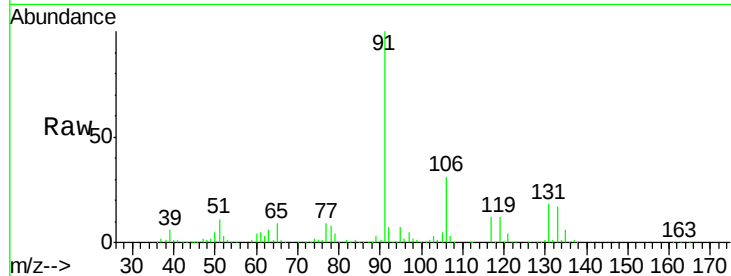
#67
Ethyl Benzene
Concen: 50.045 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 635022
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

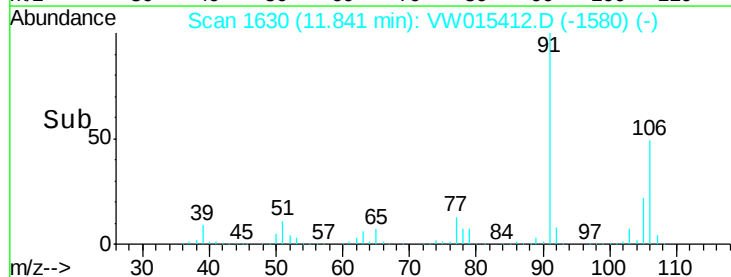
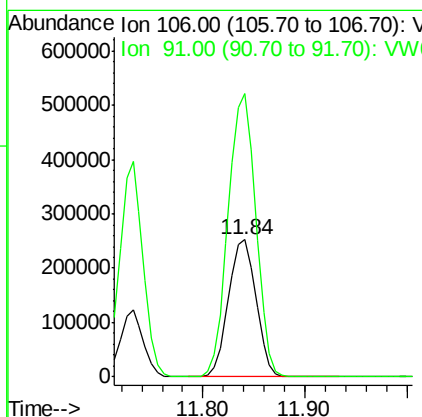
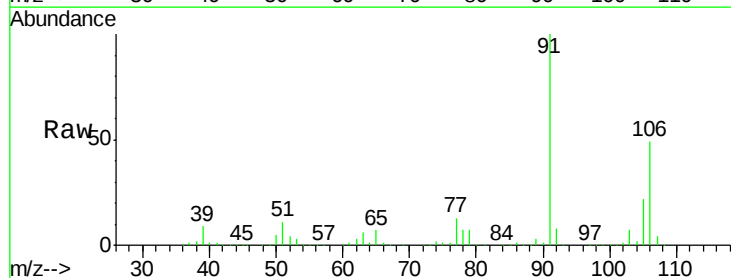
Manual Integrations
APPROVED

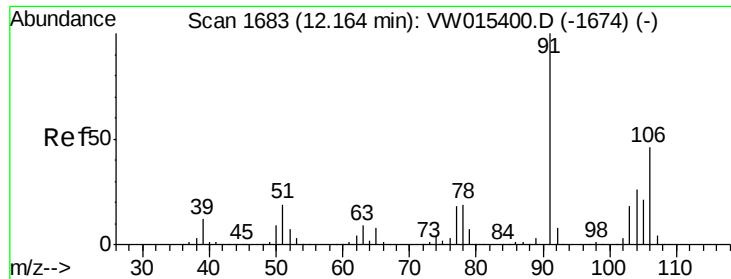
MMDadoda
5/7/2020 10:35:02 AM



#68
m/p-Xylenes
Concen: 100.420 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion:106 Resp: 473749
Ion Ratio Lower Upper
106 100
91 206.2 165.7 248.5





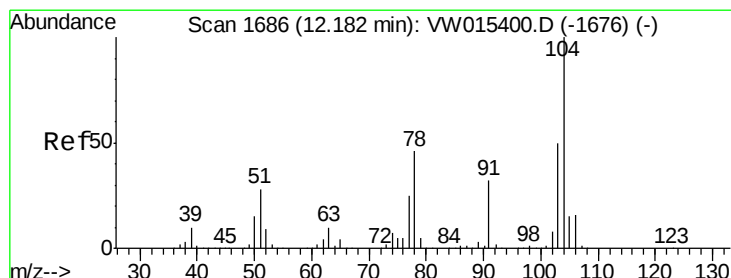
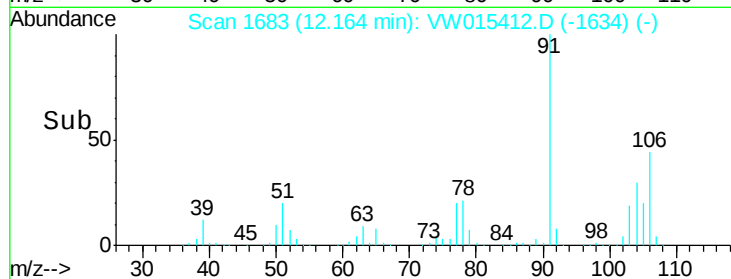
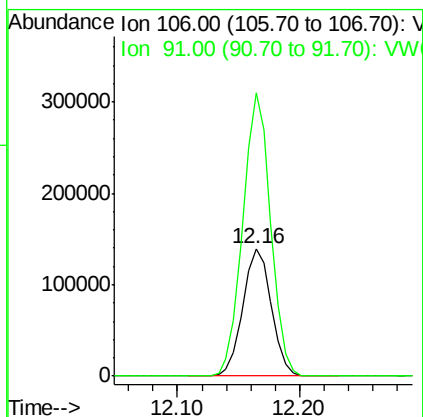
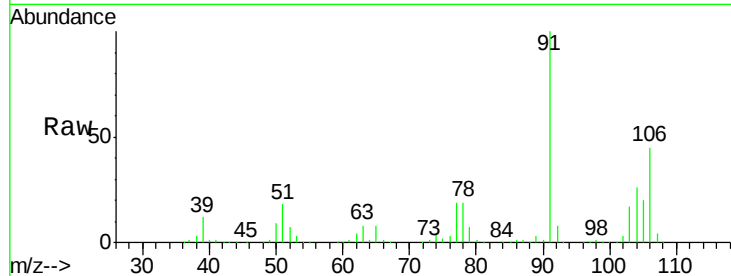
#69
o-Xylene
Concen: 50.827 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 225325
Ion Ratio Lower Upper
106 100
91 216.5 109.0 327.0

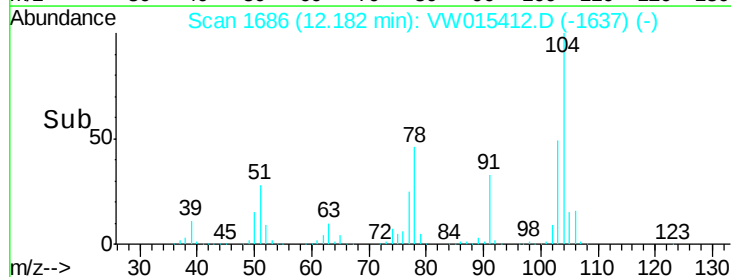
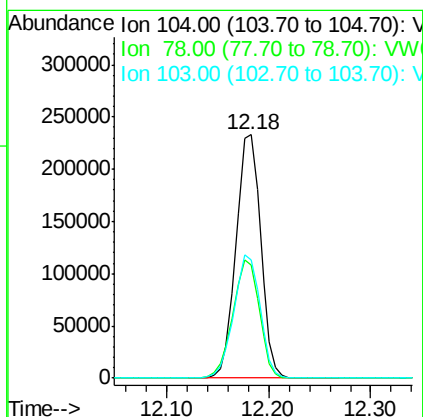
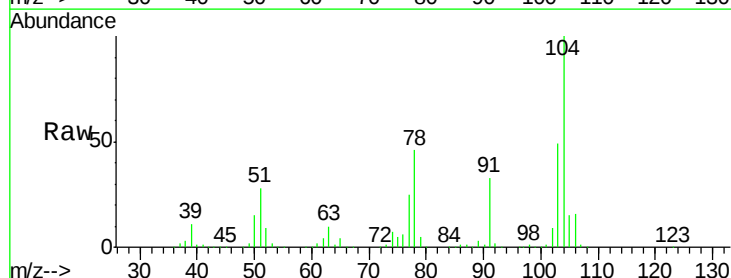
Manual Integrations
APPROVED

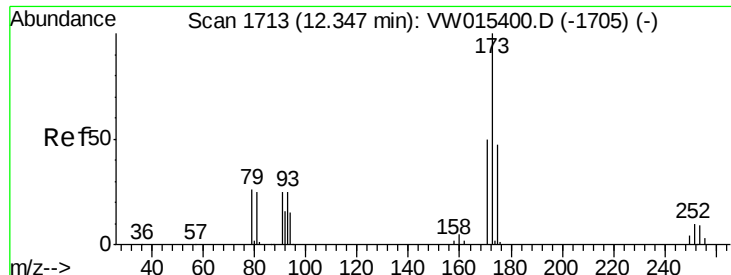
MMDadoda
5/7/2020 10:35:02 AM



#70
Styrene
Concen: 50.902 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion:104 Resp: 388649
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 54.0 43.6 65.4





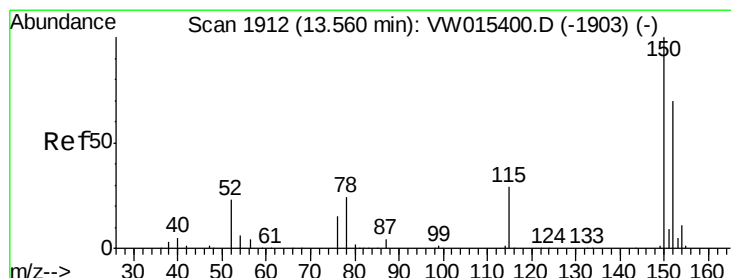
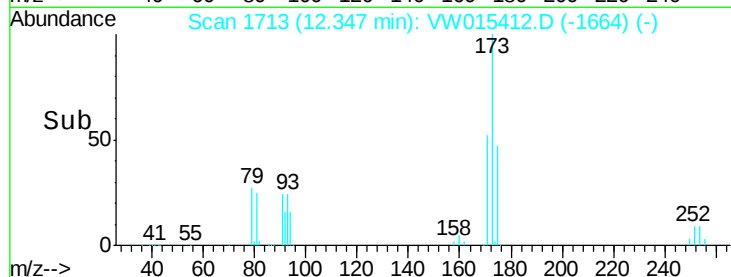
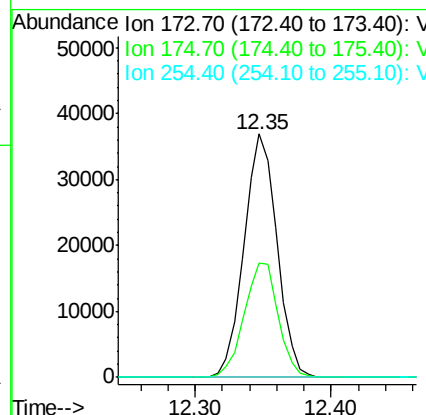
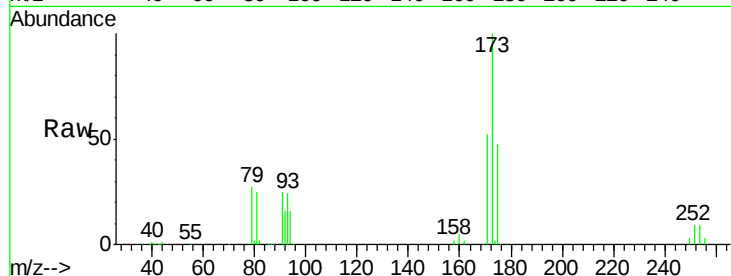
#71
Bromoform
Concen: 54.593 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.4
254	0.0	0.0	0.0

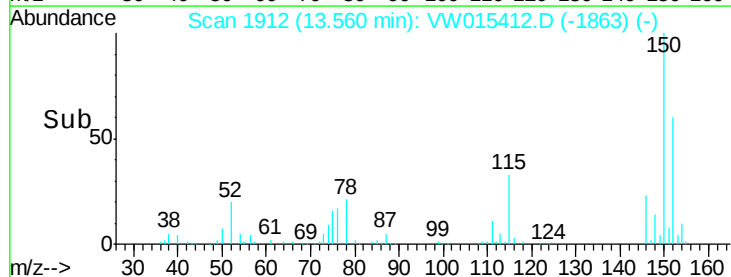
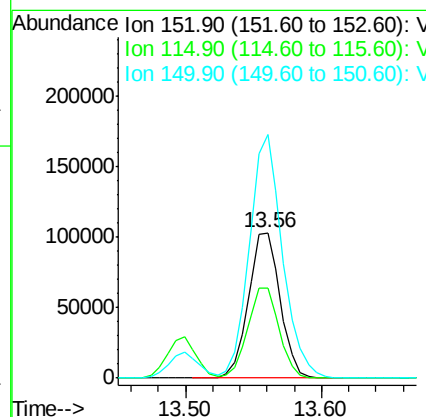
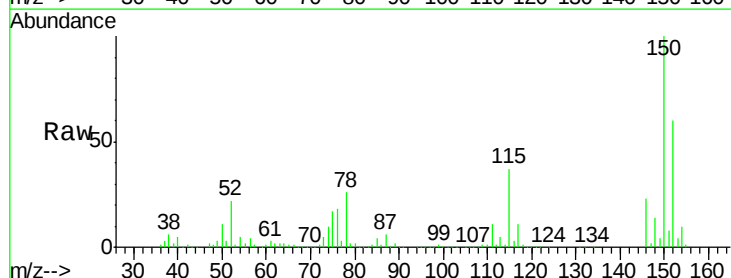
Manual Integrations
APPROVED

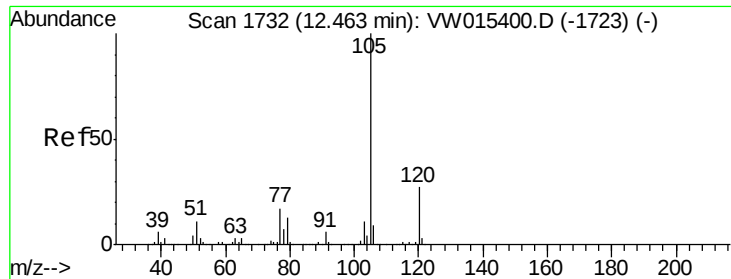
MMDadoda
5/7/2020 10:35:02 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.3	90.8
150	175.1	0.0	344.4





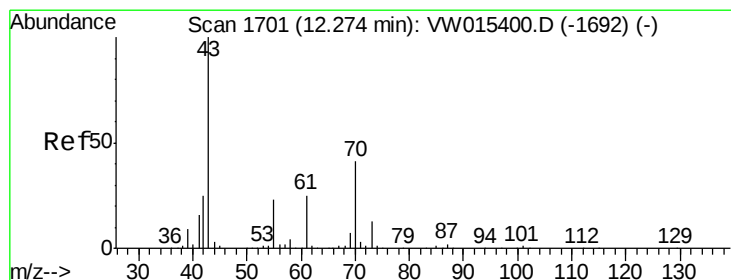
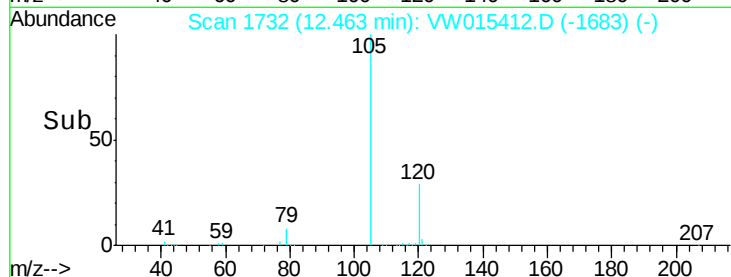
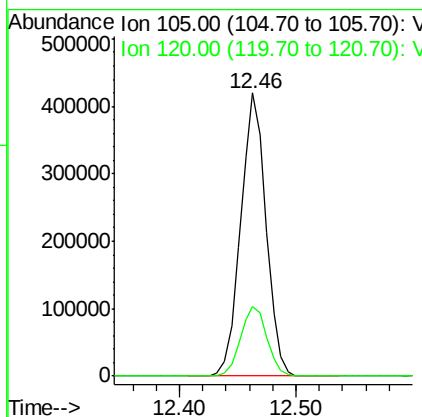
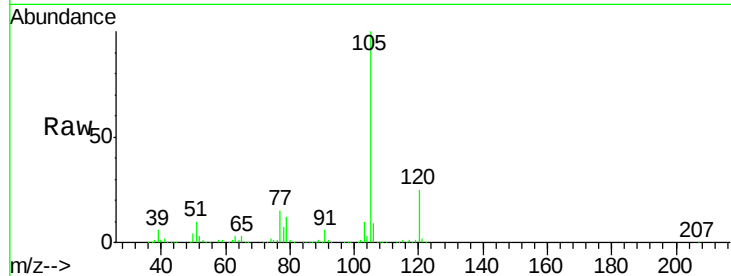
#73
Isopropylbenzene
Concen: 50.686 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.1	39.3

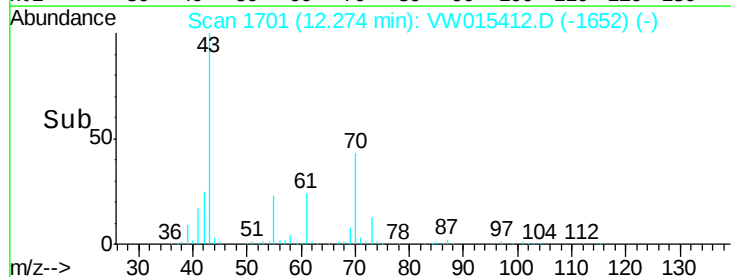
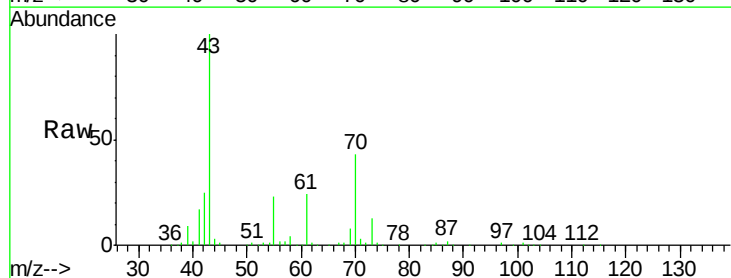
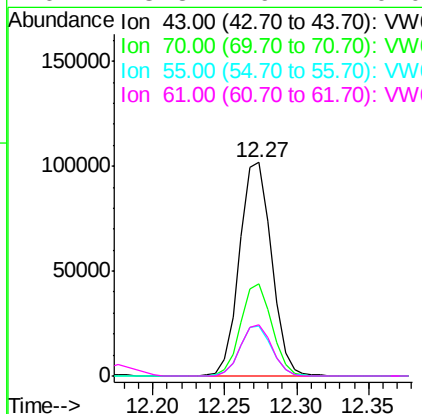
Manual Integrations
APPROVED

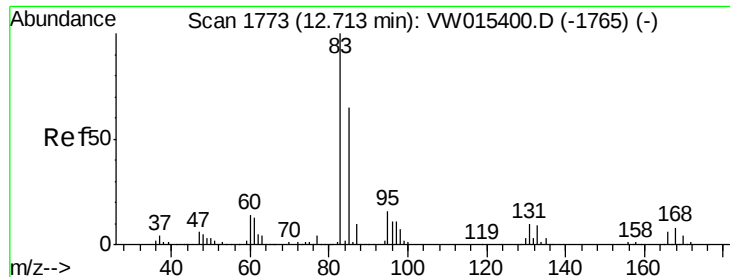
MMDadoda
5/7/2020 10:35:02 AM



#74
N-ethyl acetate
Concen: 53.022 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.4	50.0
55	23.4	18.9	28.3
61	23.8	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.752 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

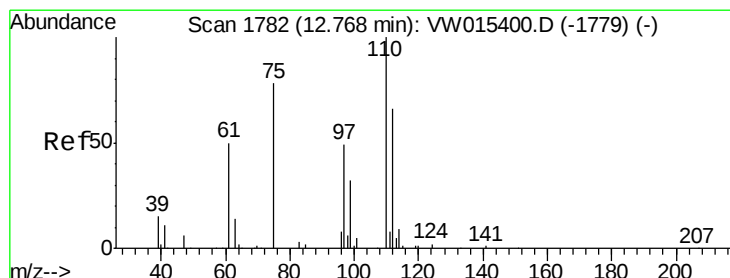
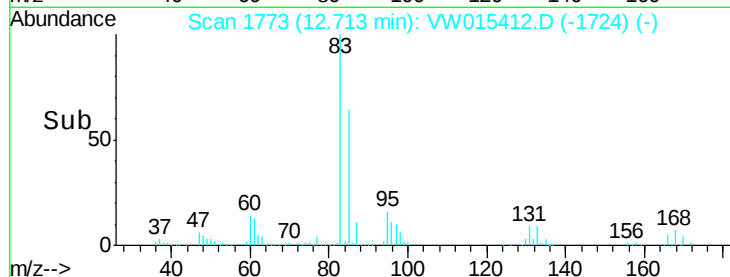
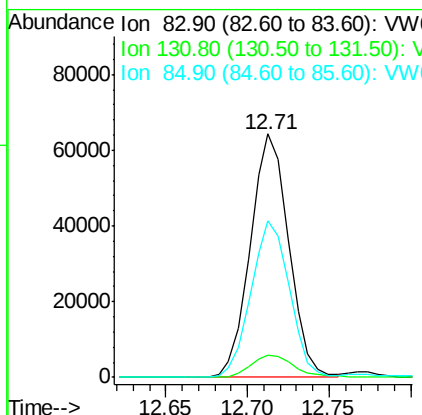
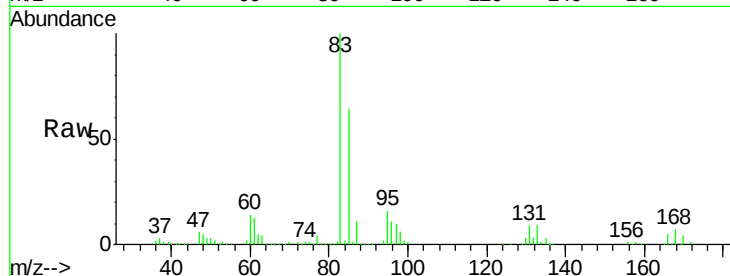
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	105509
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	64.3	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#76

1,2,3-Trichloropropane

Concen: 49.825 ug/l m

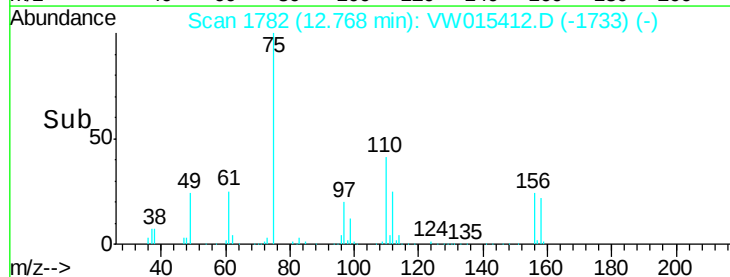
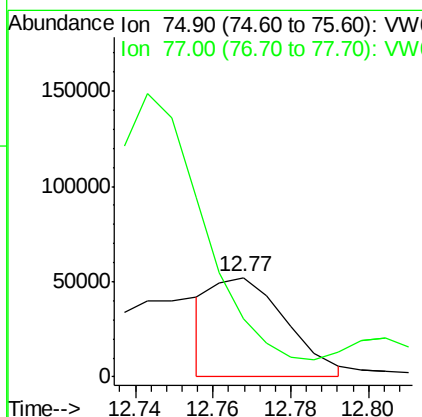
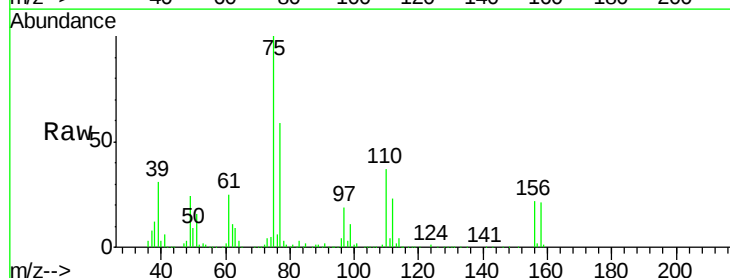
RT: 12.77 min Scan# 1782

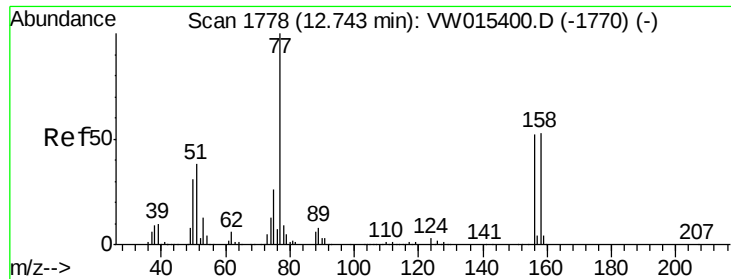
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	75	Resp:	68889
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.772 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

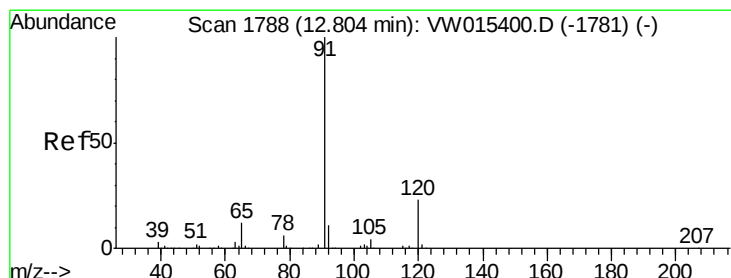
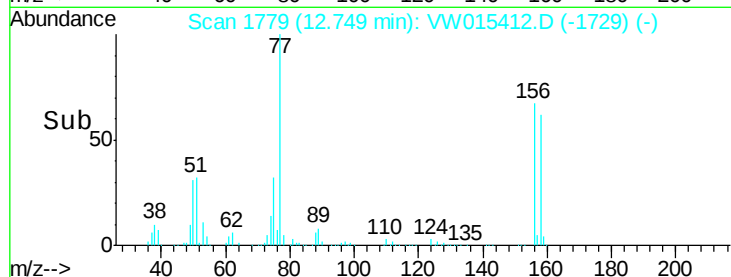
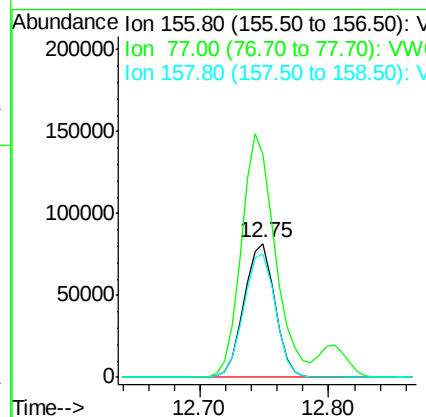
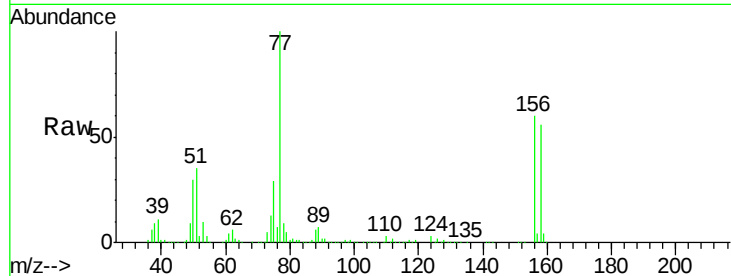
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	135007
Ion Ratio	Lower	Upper	
156	100		
77	199.9	101.8	305.6
158	94.7	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#78

n-propylbenzene

Concen: 50.307 ug/l

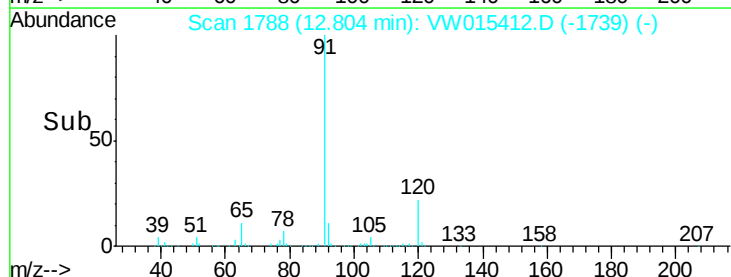
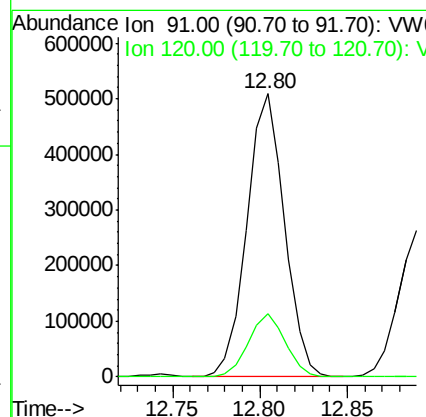
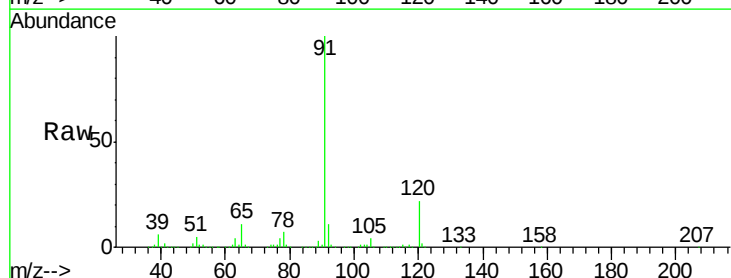
RT: 12.80 min Scan# 1788

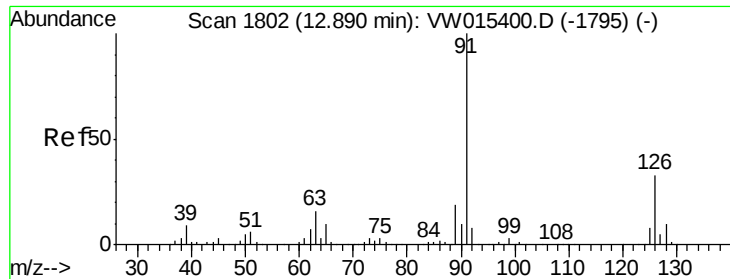
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	91	Resp:	757328
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.6





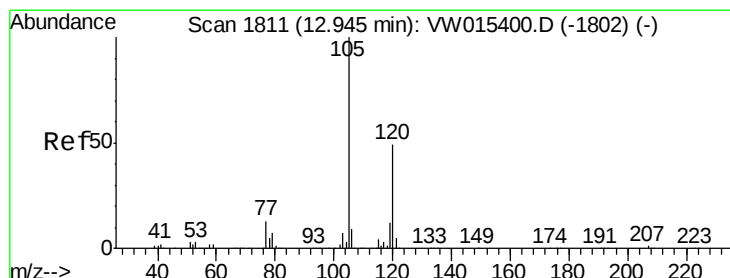
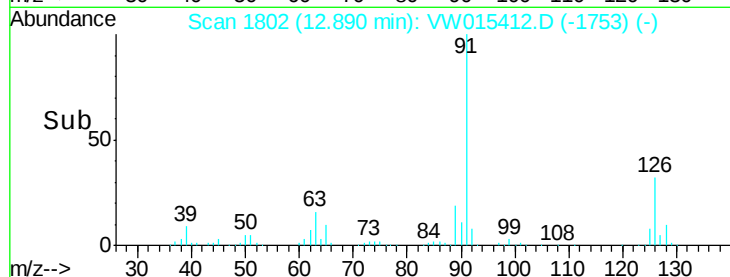
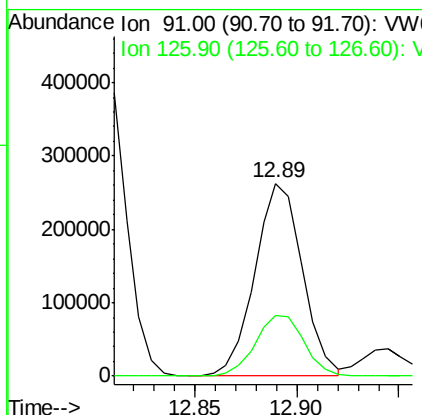
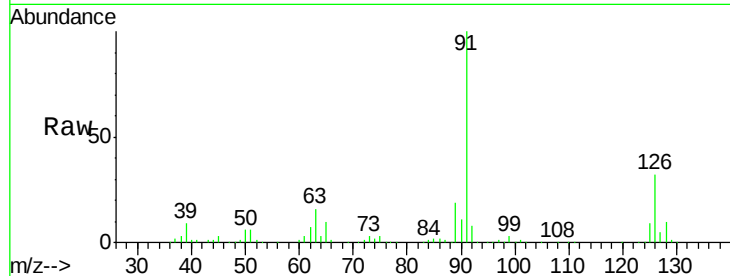
#79
 2-Chlorotoluene
 Concen: 50.040 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 424640
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.2

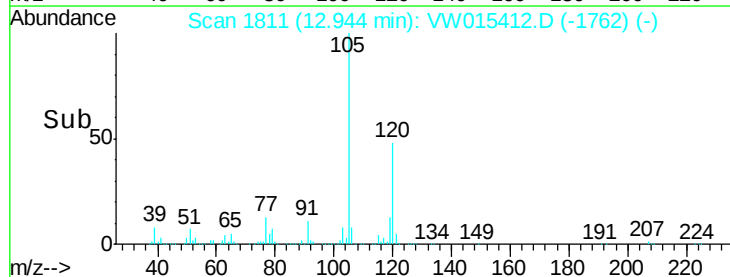
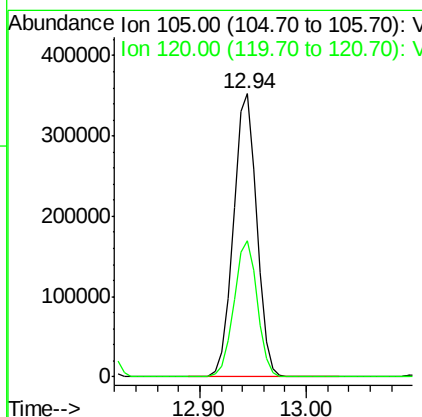
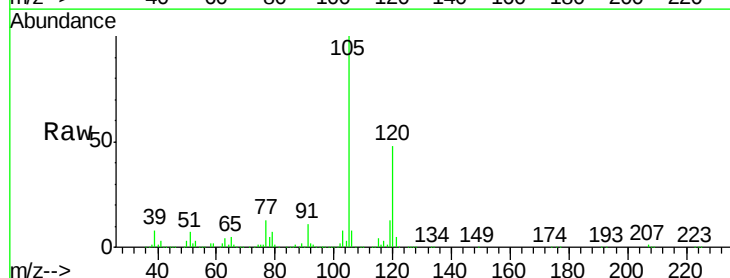
Manual Integrations
 APPROVED

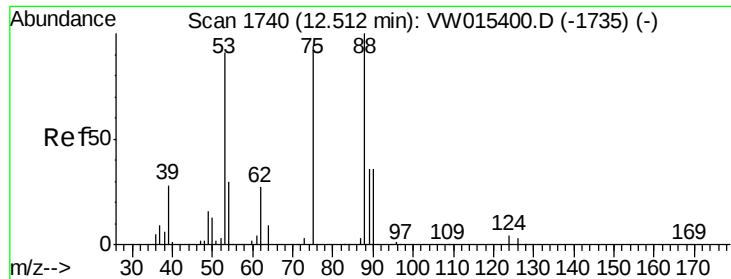
MMDadoda
 5/7/2020 10:35:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.087 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion: 105 Resp: 539938
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.478 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

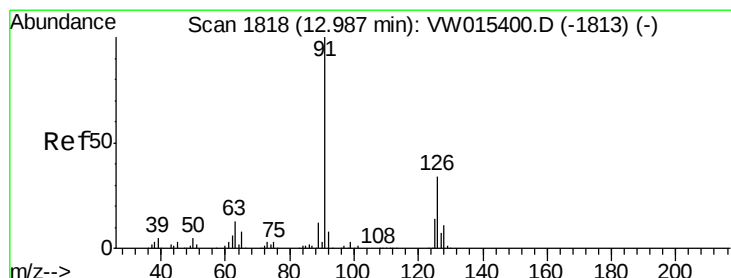
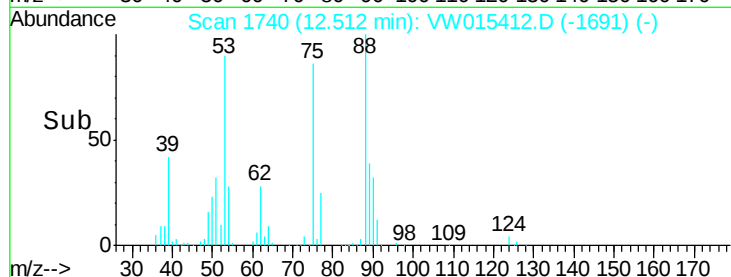
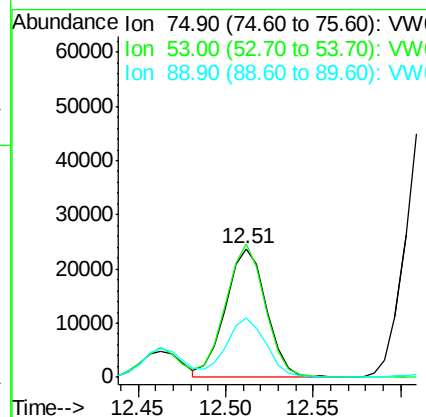
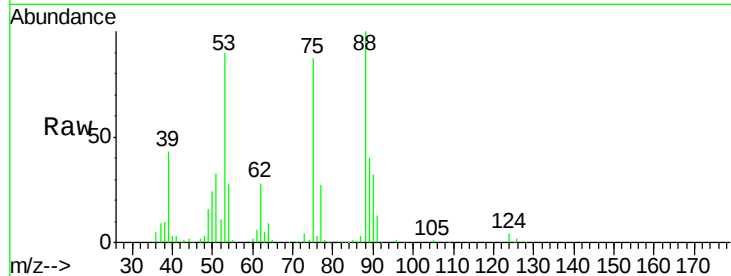
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	38080
Ion Ratio	Lower	Upper	
75	100		
53	101.1	82.5	123.7
89	44.9	35.8	53.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#82

4-Chlorotoluene

Concen: 50.616 ug/l

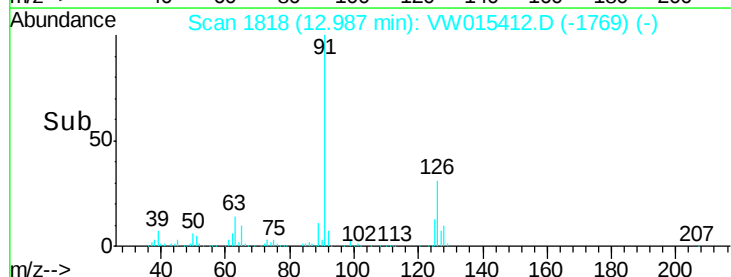
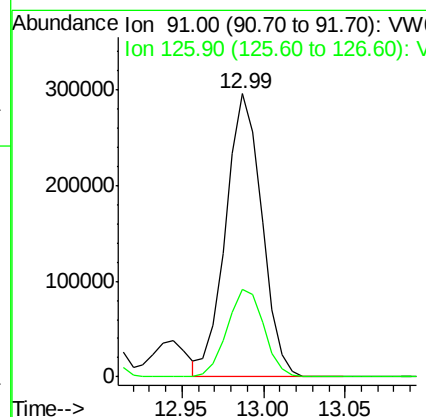
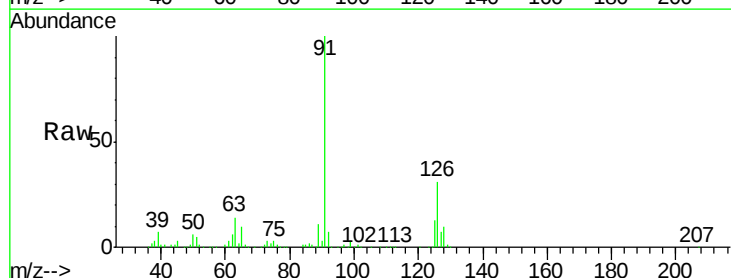
RT: 12.99 min Scan# 1818

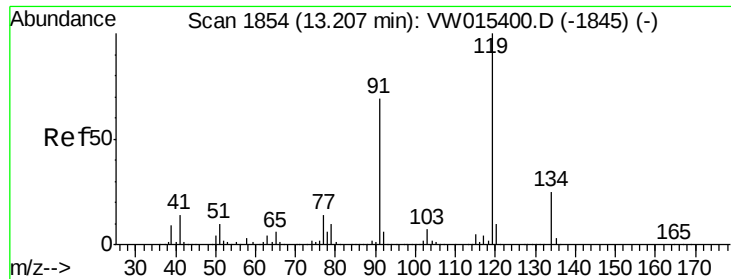
Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Tgt Ion:	91	Resp:	455201
Ion Ratio	Lower	Upper	
91	100		
126	31.6	16.0	47.9





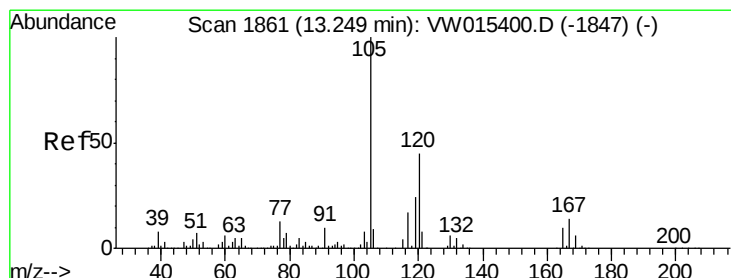
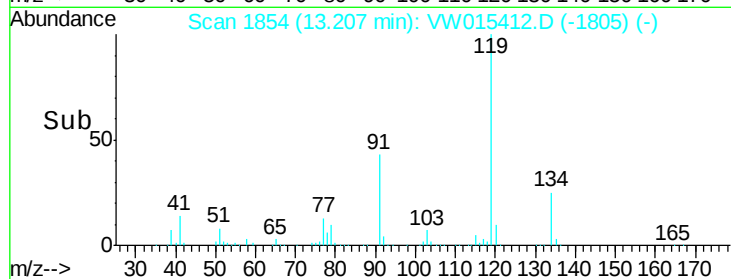
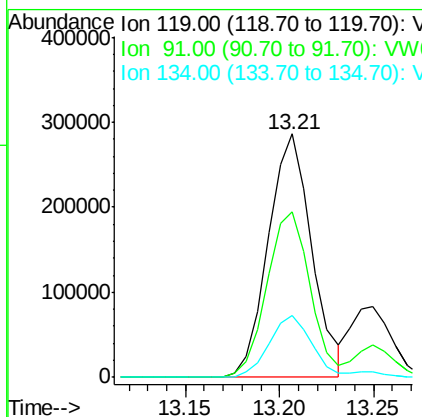
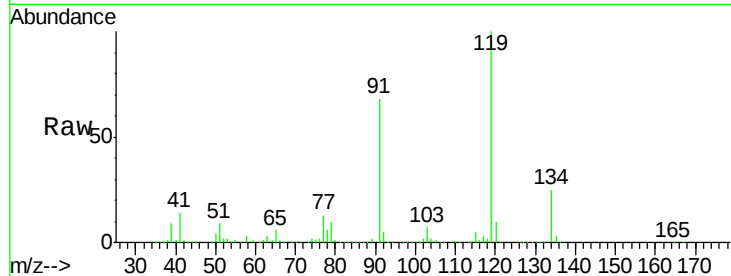
#83
 tert-Butylbenzene
 Concen: 50.871 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.8	101.4
134	25.1	12.3	36.9

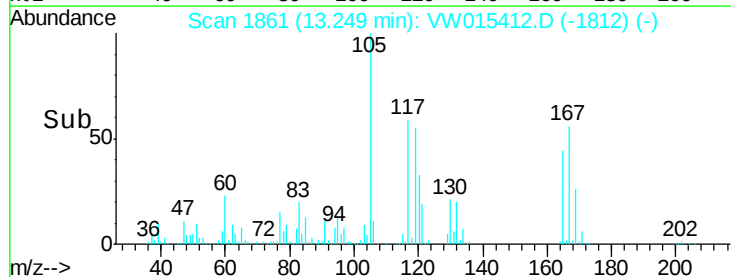
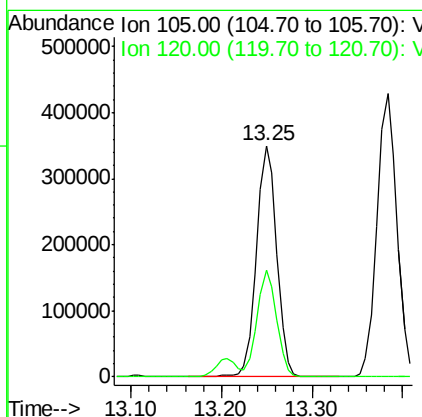
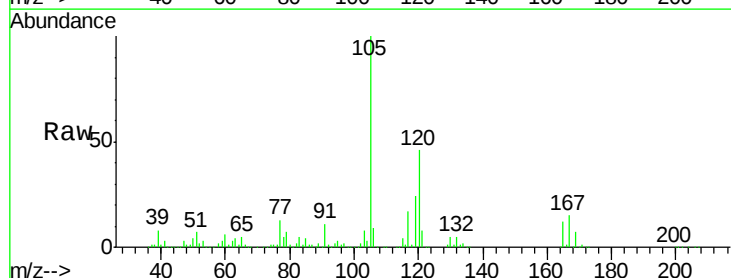
Manual Integrations
 APPROVED

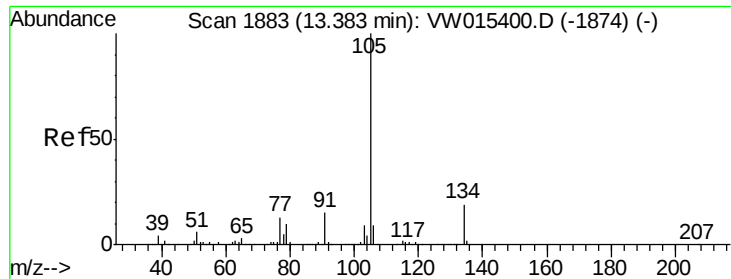
MMDadoda
 5/7/2020 10:35:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.029 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 51.357 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 652576

Ion Ratio Lower Upper

105 100

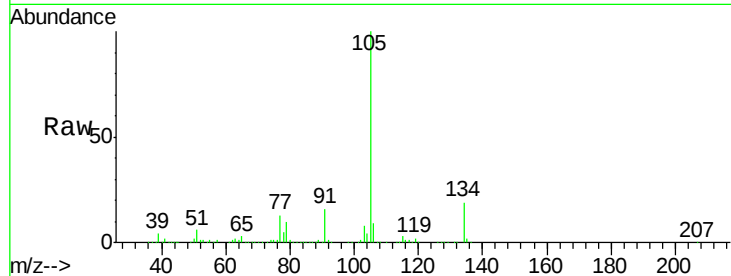
134 19.5 9.8 29.5

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:35:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

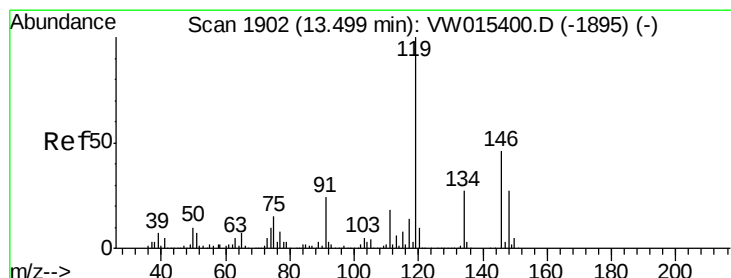
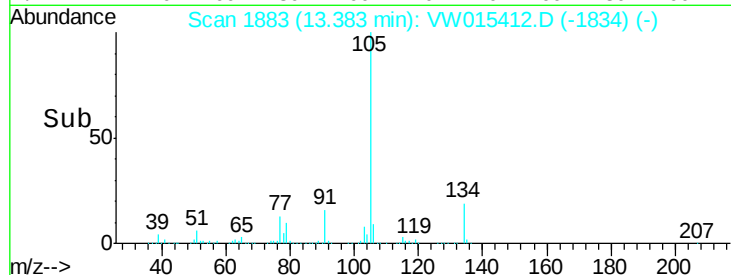
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.525 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015412.D

Acq: 06 May 2020 15:44

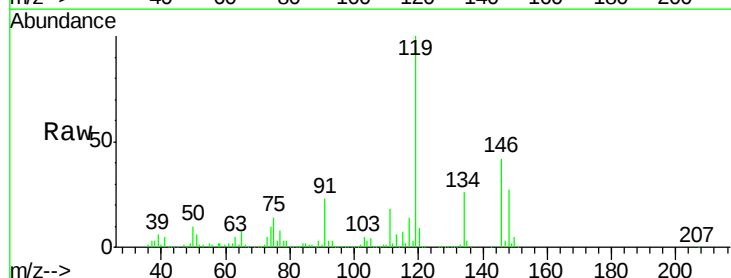
Tgt Ion:119 Resp: 597126

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.4

91 24.1 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

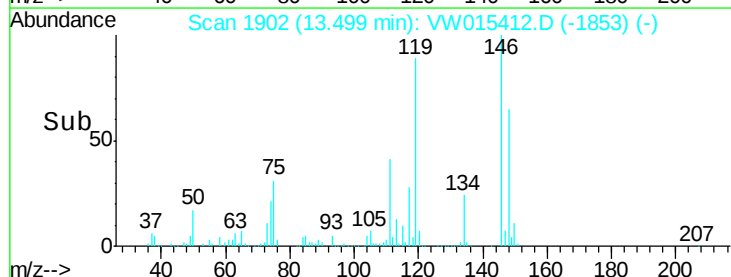
300000

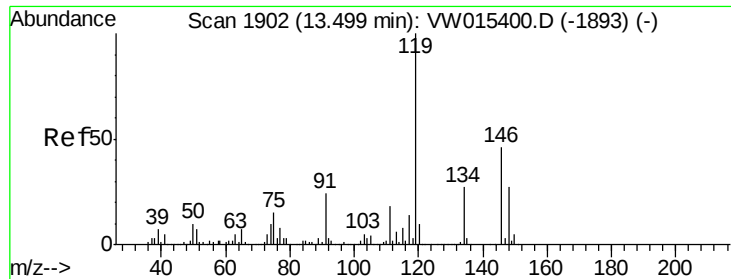
200000

100000

0

Time-->





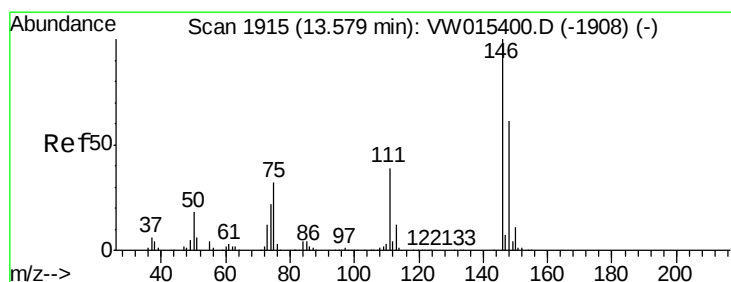
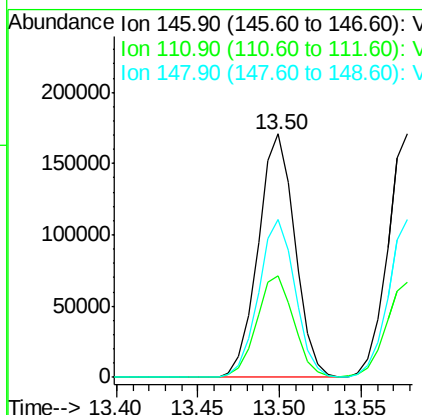
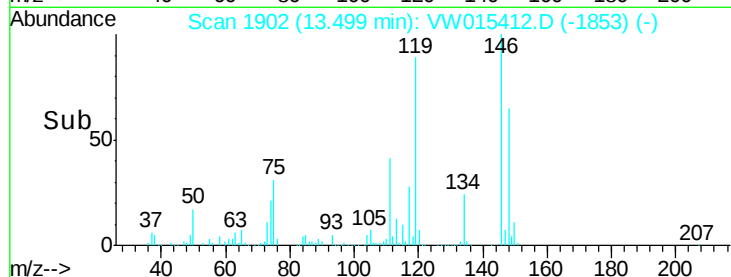
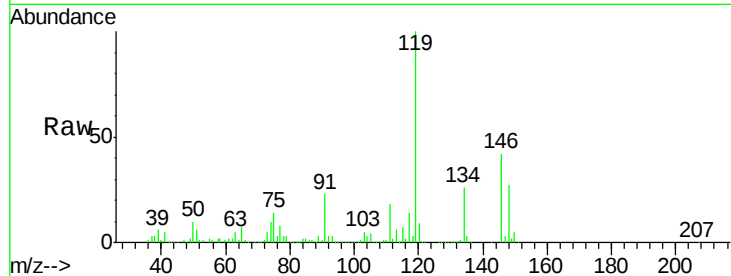
#87
 1,3-Dichlorobenzene
 Concen: 50.582 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	267920		
111	42.0	20.5	61.5	
148	64.4	31.4	94.0	

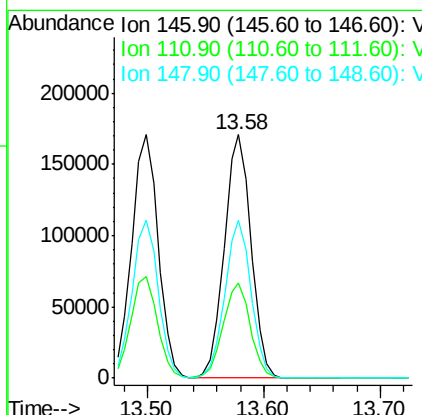
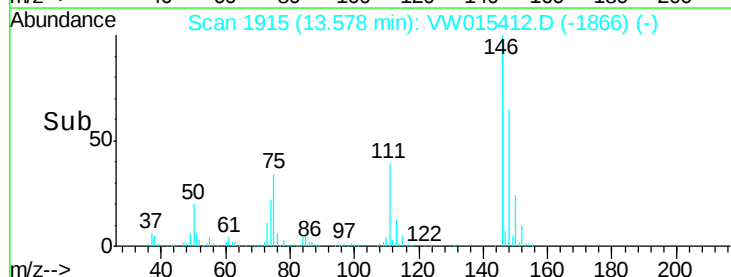
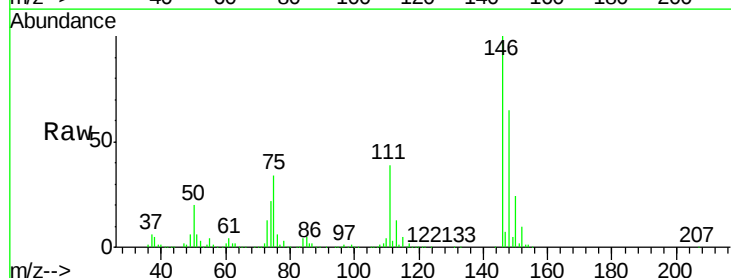
Manual Integrations
 APPROVED

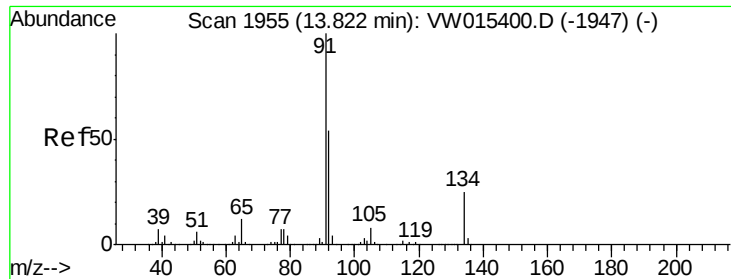
MMDadoda
 5/7/2020 10:35:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.617 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	270770		
111	39.4	20.0	60.0	
148	63.8	31.4	94.3	





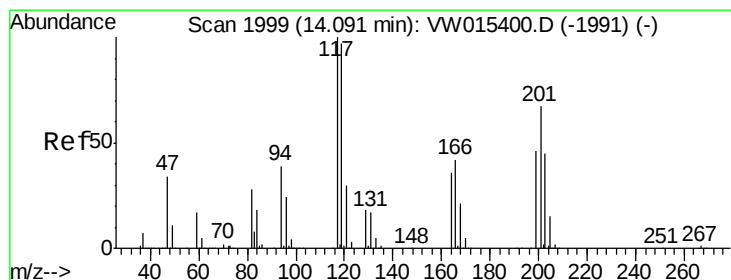
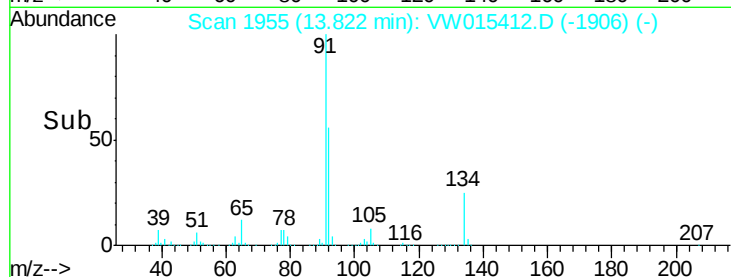
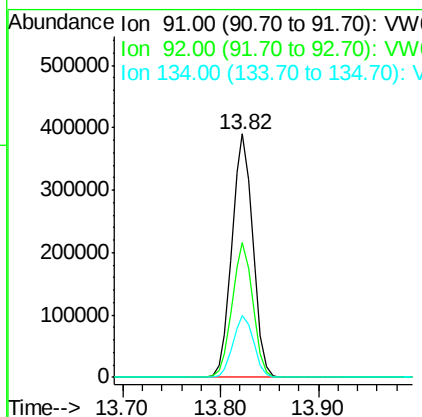
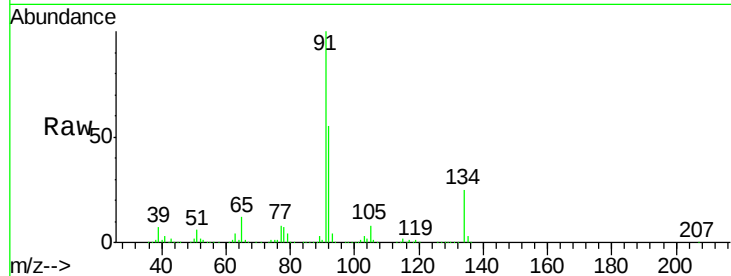
#89
n-Butylbenzene
Concen: 50.864 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.2	81.6
134	25.1	12.6	37.6

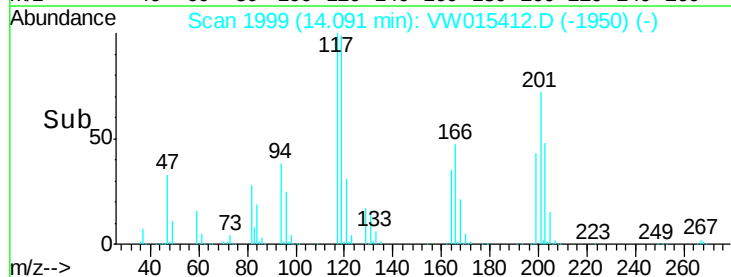
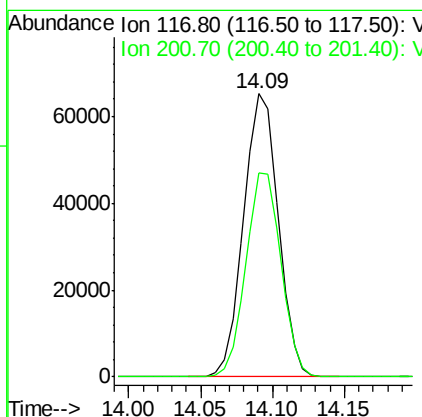
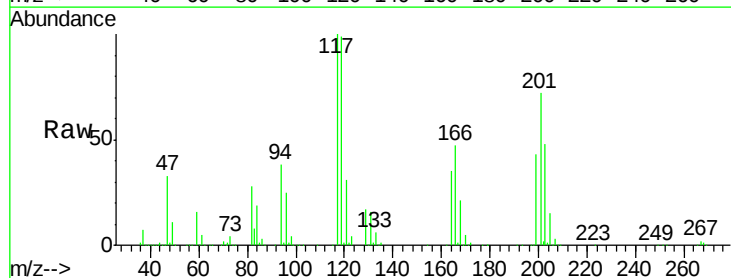
Manual Integrations
APPROVED

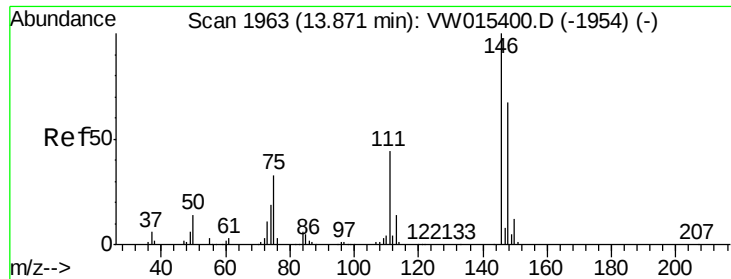
MMDadoda
5/7/2020 10:35:02 AM



#90
Hexachloroethane
Concen: 50.981 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	35.9	107.8





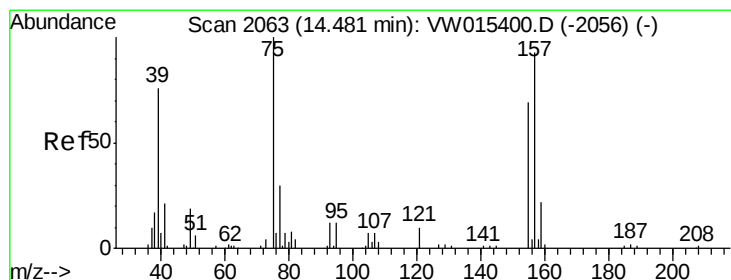
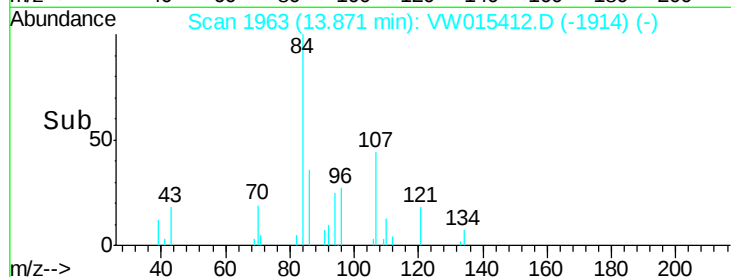
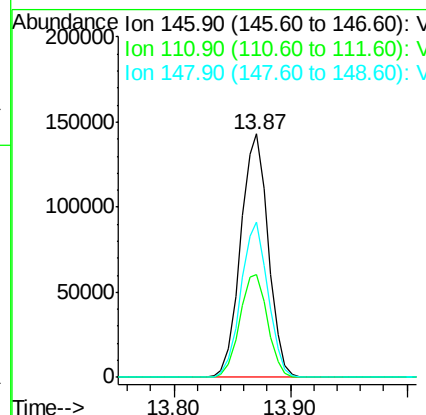
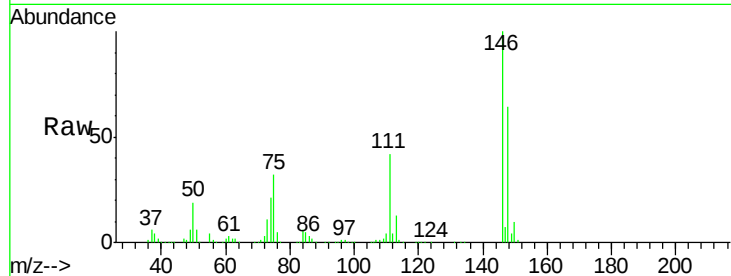
#91
 1,2-Dichlorobenzene
 Concen: 51.377 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	235626
Ion Ratio	Lower	Upper	
146	100		
111	42.8	22.1	66.3
148	62.8	32.5	97.4

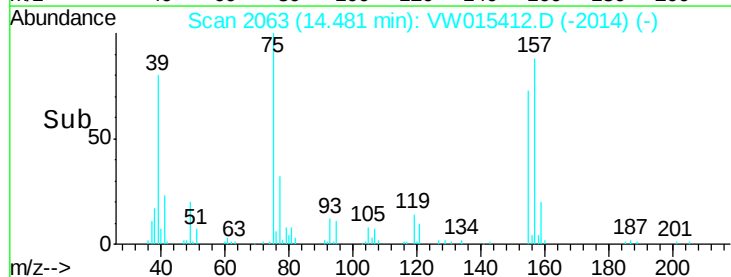
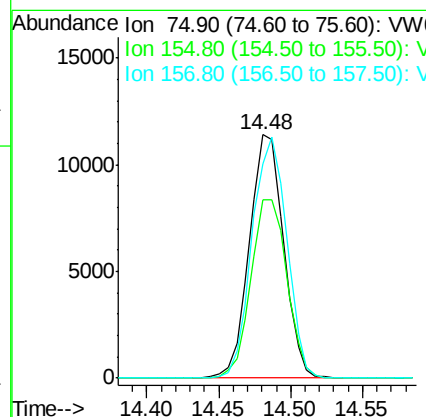
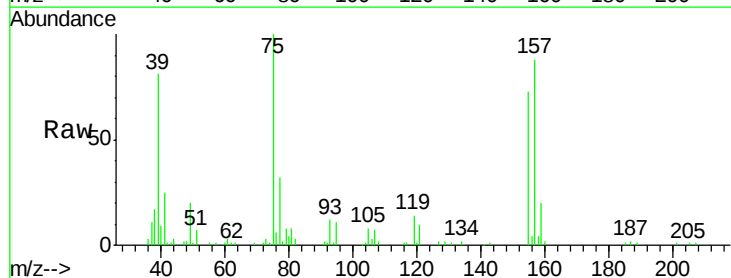
Manual Integrations
 APPROVED

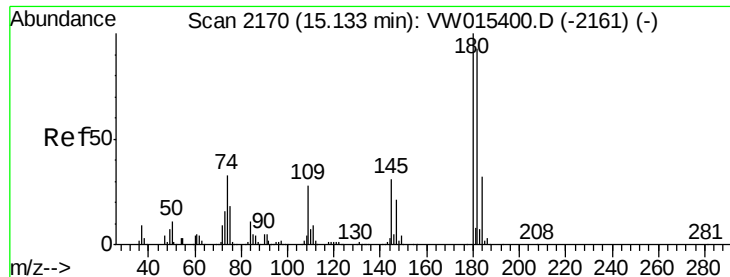
MMDadoda
 5/7/2020 10:35:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.649 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion:	75	Resp:	18727
Ion Ratio	Lower	Upper	
75	100		
155	77.1	38.7	116.1
157	100.0	48.1	144.4





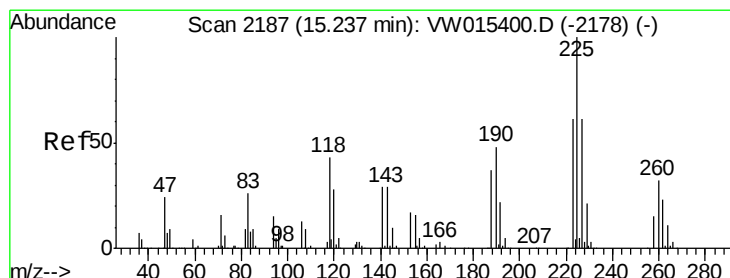
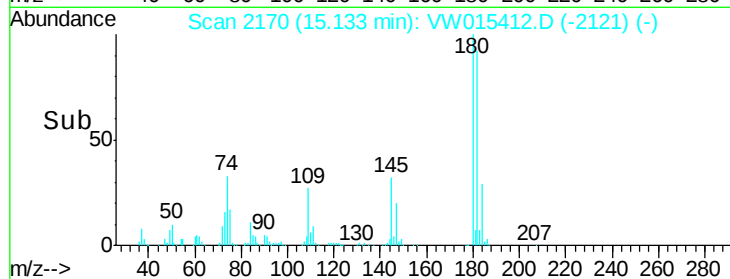
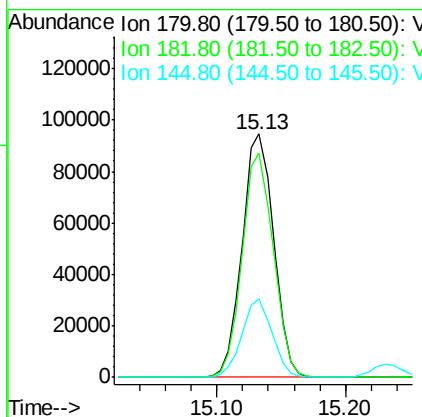
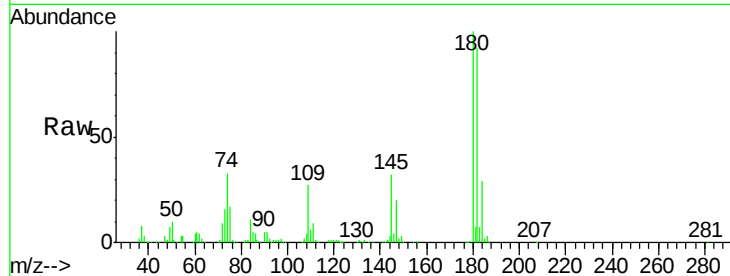
#93
 1,2,4-Trichlorobenzene
 Concen: 51.775 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159589		
182	91.4	47.2	141.6	
145	31.1	15.6	46.8	

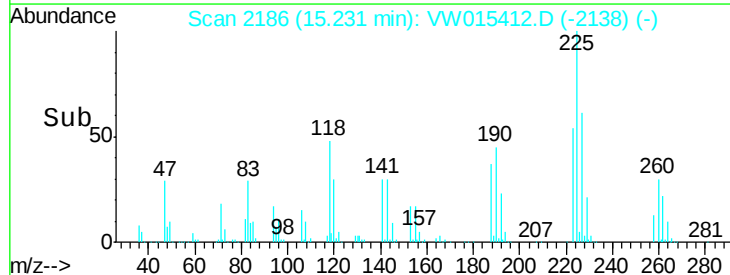
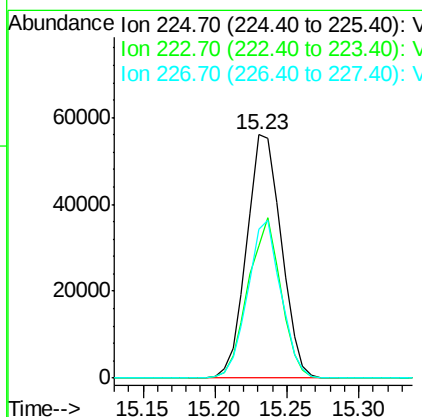
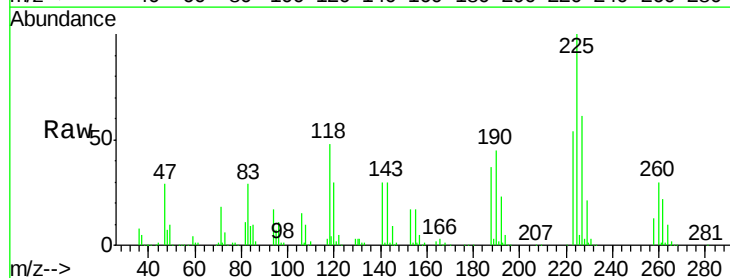
Manual Integrations
 APPROVED

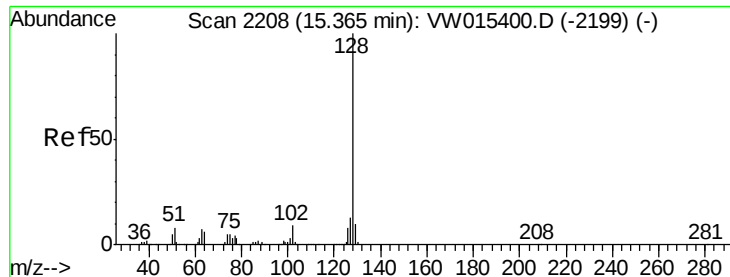
MMDadoda
 5/7/2020 10:35:02 AM



#94
 Hexachlorobutadiene
 Concen: 51.000 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015412.D
 Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93155		
223	62.3	30.7	92.1	
227	62.2	32.0	96.0	





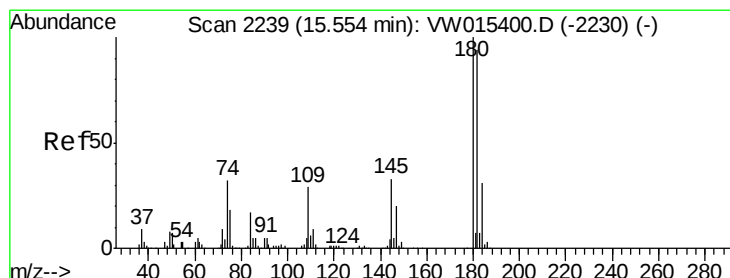
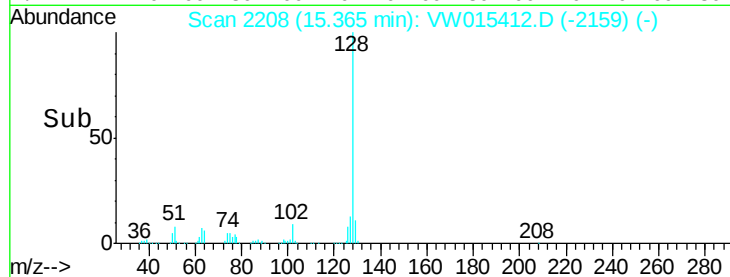
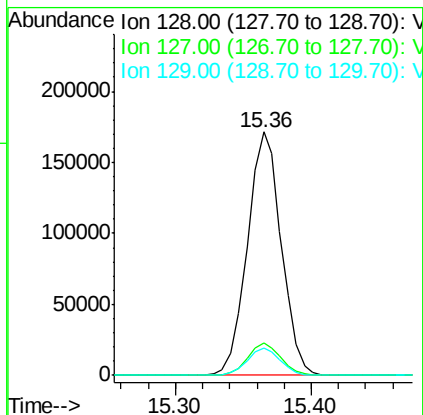
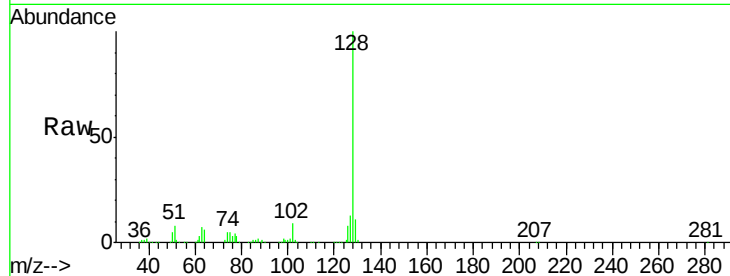
#95
Naphthalene
Concen: 54.019 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	298250		
127	13.0		10.5	15.7
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.135 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015412.D
Acq: 06 May 2020 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	135428		
182	93.5		47.6	142.8
145	33.2		16.3	48.8

