

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031220\
 Data File : VX015232.D
 Acq On : 12 Mar 2020 13:01
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:39 AM

Quant Time: Mar 12 14:06:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 13:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	49043	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	275117	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	259727	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	98458	28.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.23%
60) 4-Bromofluorobenzene	11.13	95	125033	30.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.03%
63) Toluene-d8	8.71	98	333769	29.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	231655	105.777	ug/l 99
3) Chloromethane	1.32	50	332895	117.556	ug/l 99
4) Vinyl Chloride	1.40	62	346043	113.542	ug/l 99
5) Bromomethane	1.63	94	222639	104.317	ug/l 96
6) Chloroethane	1.72	64	217837	106.702	ug/l 98
7) Trichlorofluoromethane	1.92	101	441535	99.543	ug/l 96
8) Diethyl Ether	2.18	74	195471	104.758	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	265936	103.701	ug/l 99
10) 1,1-Dichloroethene	2.37	96	271777	105.417	ug/l 100
11) Methyl Iodide	2.50	142	336498	107.418	ug/l 97
12) Methyl Acetate	2.76	43	343657	107.120	ug/l 100
13) Acrolein	2.28	56	253770	397.733	ug/l 98
14) Acrylonitrile	3.13	53	796343	549.640	ug/l 100
15) Acetone	2.43	58	211643	408.181	ug/l 97
16) Carbon Disulfide	2.56	76	787452	113.599	ug/l 99
17) Allyl chloride	2.72	41	525529	117.183	ug/l 99
18) Methylene Chloride	2.85	84	308106	103.724	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	301485	106.466	ug/l 94
20) Diisopropyl ether	3.84	45	1033749	112.868	ug/l 96
21) 1,1-Dichloroethane	3.69	63	541617	107.877	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	341447	105.369	ug/l 97
23) tert-Butyl Alcohol	3.03	59	307218	534.921	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	908071	105.868	ug/l 100
25) Chloroform	5.20	83	519844	102.675	ug/l 100
26) Cyclohexane	5.58	56	514178	114.586	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	410916	105.597	ug/l 99
30) 2-Butanone	4.65	43	1098856	489.226	ug/l 100
31) 2,2-Dichloropropane	4.58	77	431842	101.064	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	445426	100.796	ug/l 99
33) Carbon Tetrachloride	5.78	117	389275	100.630	ug/l 97
34) Benzene	6.14	78	1247356	106.230	ug/l 99
35) Methacrylonitrile	5.03	41	249360	108.833	ug/l 99
36) 1,2-Dichloroethane	6.19	62	404030	97.210	ug/l 100
37) Trichloroethene	7.20	130	344408	104.467	ug/l 96
38) Methylcyclohexane	7.46	83	512154	106.181	ug/l 99
39) 1,2-Dichloropropane	7.51	63	328511	108.691	ug/l 97
40) Dibromomethane	7.65	93	204799	101.476	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031220\
 Data File : VX015232.D
 Acq On : 12 Mar 2020 13:01
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:39 AM

Quant Time: Mar 12 14:06:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 13:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	418492	104.971	ug/l	96
42) Vinyl Acetate	3.80	43	4418553	558.895	ug/l	100
43) Ethyl Acetate	4.82	43	434382	106.883	ug/l	99
44) Isopropyl Acetate	6.43	43	722944	105.817	ug/l	99
45) 1,4-Dioxane	7.73	88	146749	2324.599	ug/l	98
46) Methyl methacrylate	7.76	41	368282	108.962	ug/l	97
47) n-amyl Acetate	10.89	43	674526	113.966	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	477608	107.979	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	527101	108.244	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	307954	102.418	ug/l	96
51) Ethyl methacrylate	9.17	69	507143	109.279	ug/l	98
52) 1,3-Dichloropropane	9.37	76	525821	103.374	ug/l	100
53) Dibromochloromethane	9.58	129	341762	105.129	ug/l	96
54) 1,2-Dibromoethane	9.67	107	324865	101.763	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	1280859	518.128	ug/l	100
56) Bromoform	10.85	173	269199	105.635	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	2176048	511.217	ug/l	100
59) 2-Hexanone	9.49	43	1637300	492.298	ug/l	99
61) Tetrachloroethene	9.33	164	340248	97.535	ug/l	98
62) Toluene	8.78	91	1333680	100.251	ug/l	100
64) Chlorobenzene	10.14	112	846531	99.692	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	314050	99.847	ug/l	99
66) Ethyl Benzene	10.25	91	1512118	103.183	ug/l	100
67) m/p-Xylenes	10.36	106	1151114	203.702	ug/l	99
68) o-Xylene	10.70	106	554484	101.409	ug/l	97
69) Styrene	10.71	104	973062	104.200	ug/l	100
70) Isopropylbenzene	11.01	105	1465099	100.875	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	461563	98.702	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	380177m	98.011	ug/l	
73) Bromobenzene	11.25	156	393886	100.367	ug/l	98
74) n-propylbenzene	11.35	91	1722019	104.173	ug/l	99
75) 2-Chlorotoluene	11.42	91	994857	101.842	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	1244804	102.267	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	172746	110.442	ug/l	91
78) 4-Chlorotoluene	11.51	91	1154975	102.214	ug/l	100
79) tert-butylbenzene	11.76	119	1176920	100.081	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1237600	102.271	ug/l	99
81) sec-Butylbenzene	11.94	105	1456350	103.412	ug/l	100
82) p-Isopropyltoluene	12.06	119	1357804	103.780	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	704312	102.378	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	711132	102.651	ug/l	100
85) n-Butylbenzene	12.39	91	1225313	107.623	ug/l	99
86) Hexachloroethane	12.59	117	245241	103.701	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	685210	100.093	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	101301	99.467	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	525201	106.684	ug/l	100
90) Hexachlorobutadiene	13.78	225	258344	105.667	ug/l	99
91) Naphthalene	13.83	128	1494871	107.256	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	511348	104.620	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
Data File : VX015232.D
Acq On : 12 Mar 2020 13:01
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

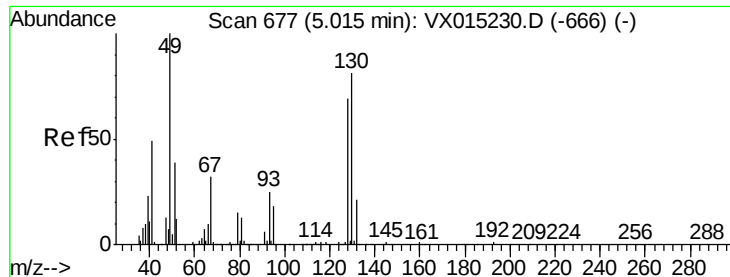
Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM

Quant Time: Mar 12 14:06:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 13:54:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

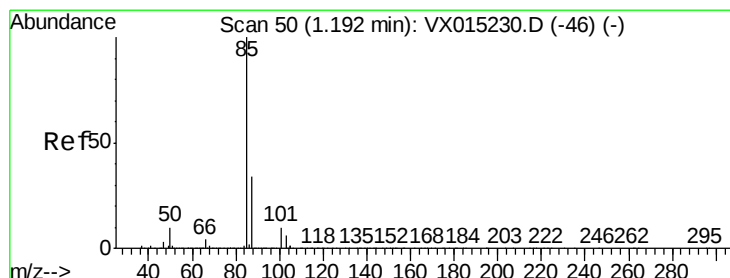
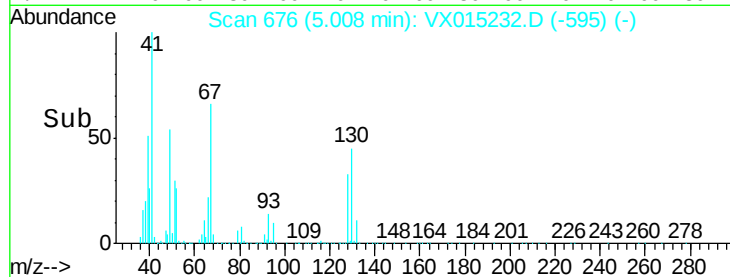
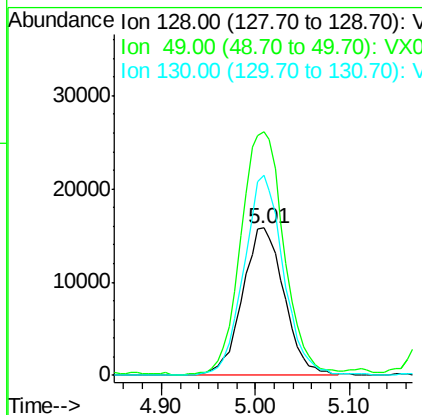
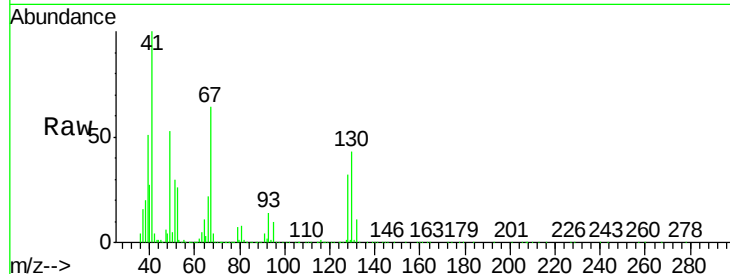
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	169.7	0.0	406.8
130	128.0	0.0	319.3

Manual Integrations
 APPROVED

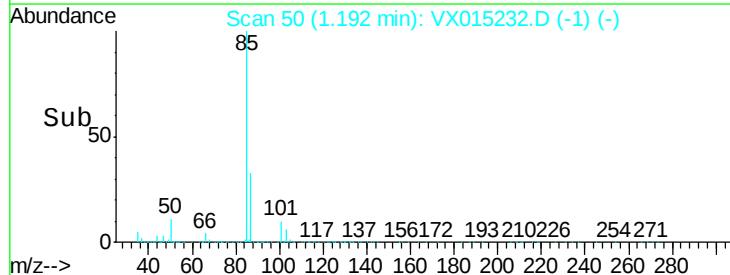
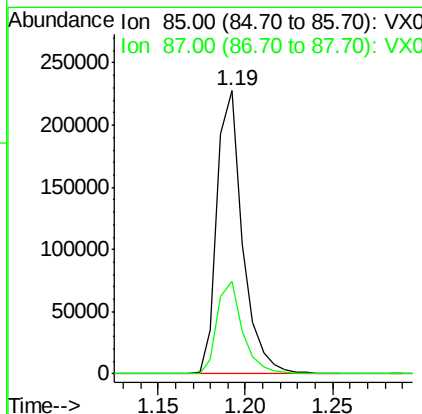
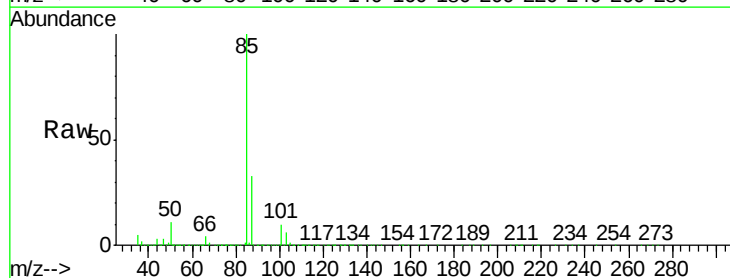
MMDadoda
 3/16/2020 11:43:39 AM

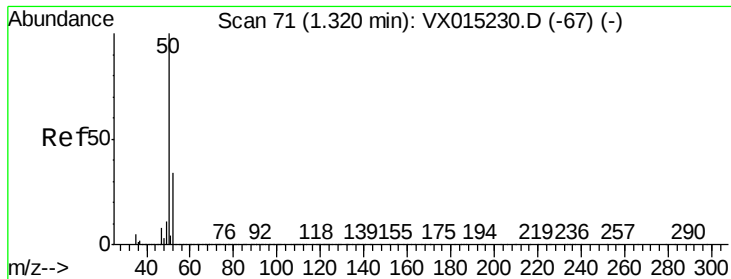


#2

Dichlorodifluoromethane
 Concen: 105.777 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.1





#3

Chloromethane

Concen: 117.556 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 332895

Ion Ratio Lower Upper

50 100

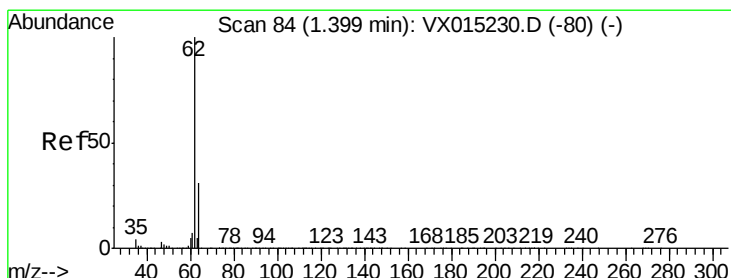
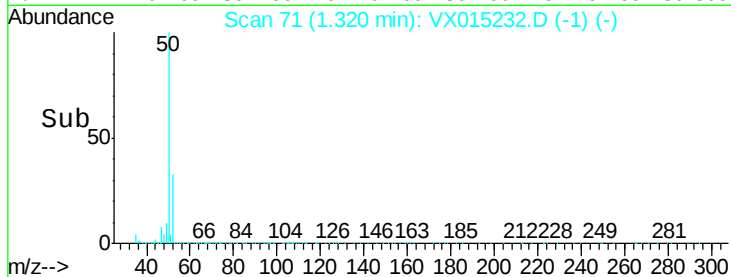
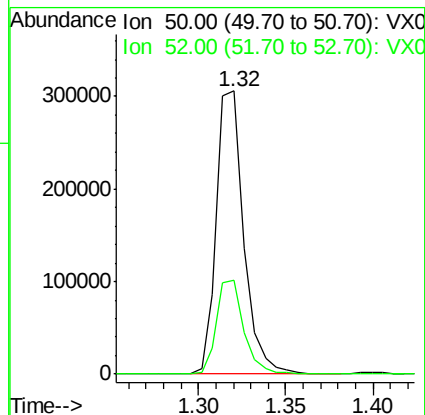
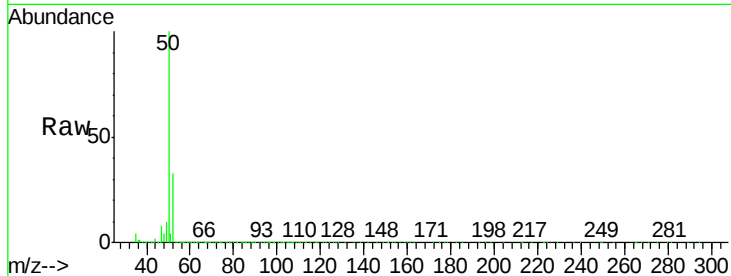
52 33.0 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#4

Vinyl Chloride

Concen: 113.542 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX015232.D

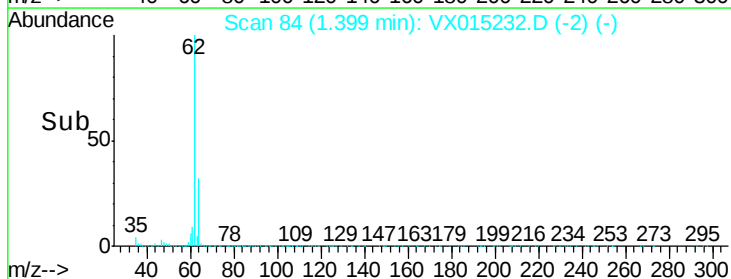
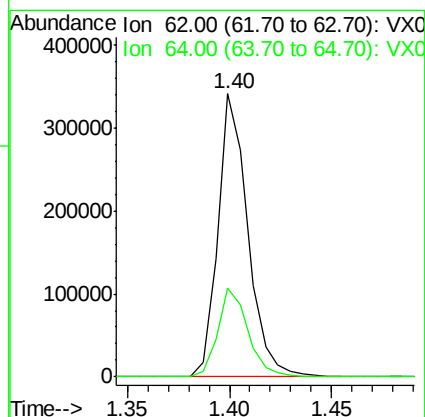
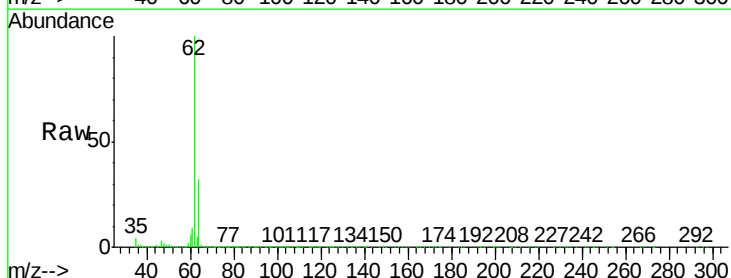
Acq: 12 Mar 2020 13:01

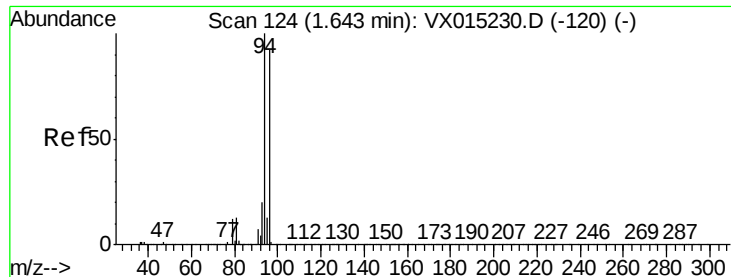
Tgt Ion: 62 Resp: 346043

Ion Ratio Lower Upper

62 100

64 31.5 24.9 37.3





#5

Bromomethane

Concen: 104.317 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 222639

Ion Ratio Lower Upper

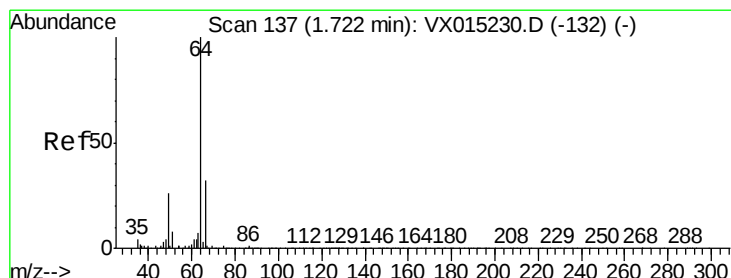
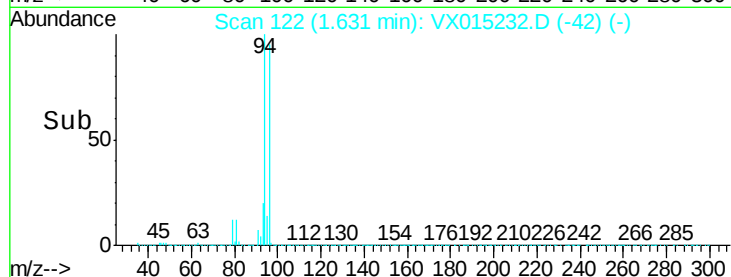
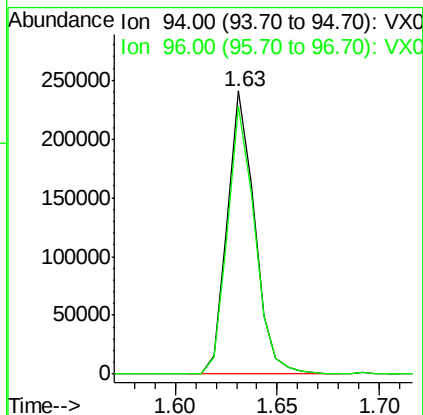
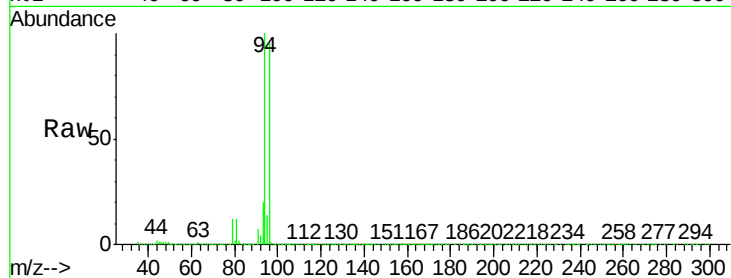
94 100

96 94.9 73.0 109.4

Manual Integrations
APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#6

Chloroethane

Concen: 106.702 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX015232.D

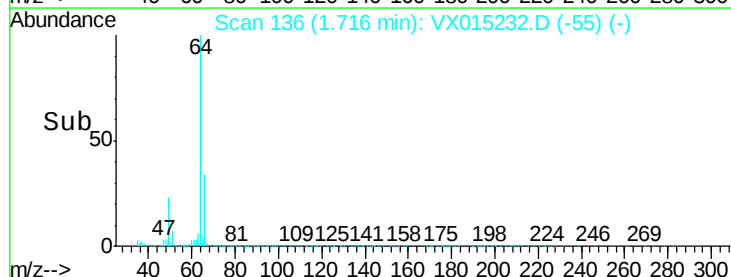
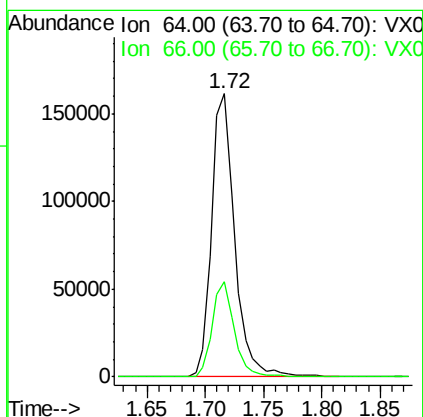
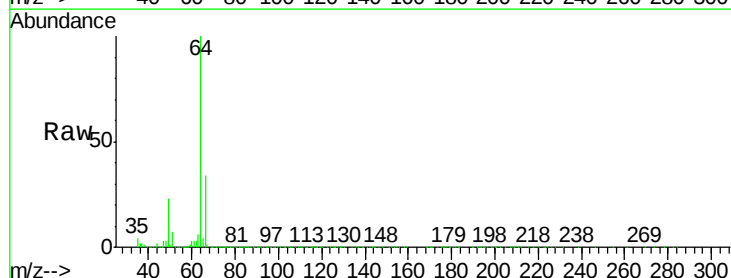
Acq: 12 Mar 2020 13:01

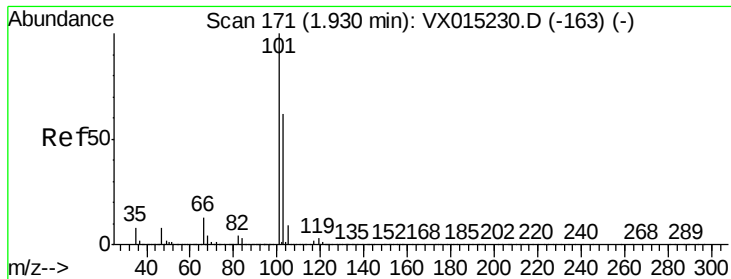
Tgt Ion: 64 Resp: 217837

Ion Ratio Lower Upper

64 100

66 33.6 25.9 38.9





#7

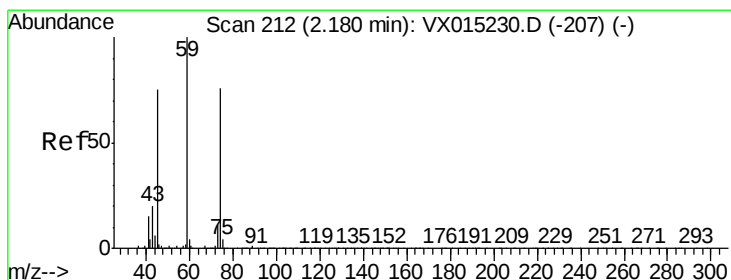
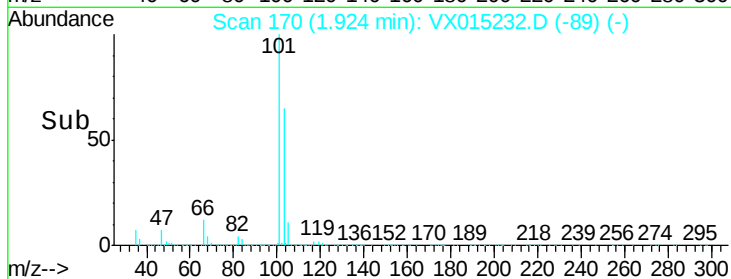
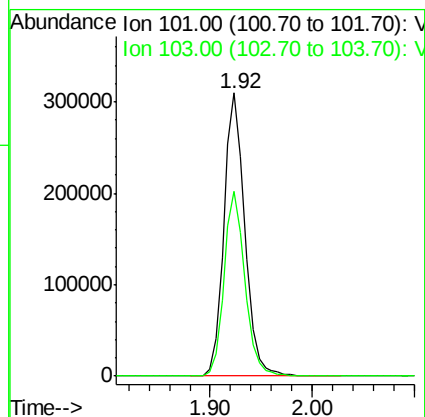
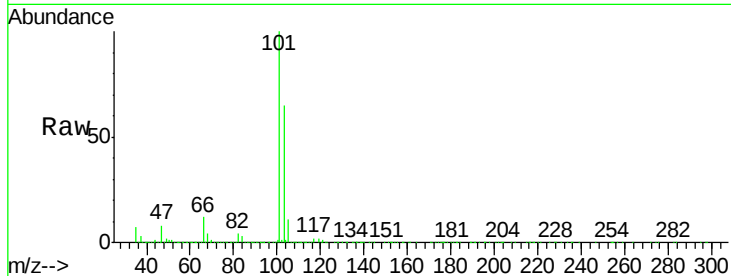
Trichlorofluoromethane
Concen: 99.543 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	49.9	74.9

Manual Integrations
APPROVED

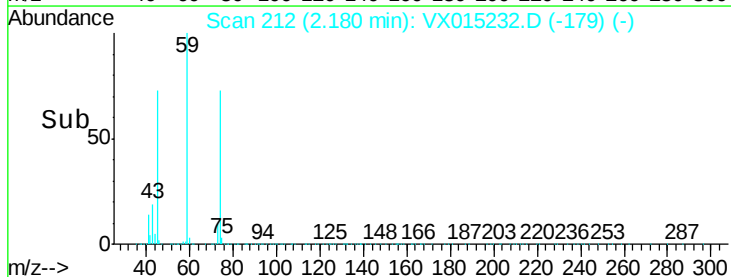
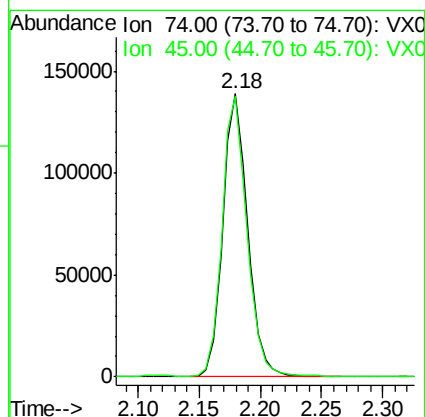
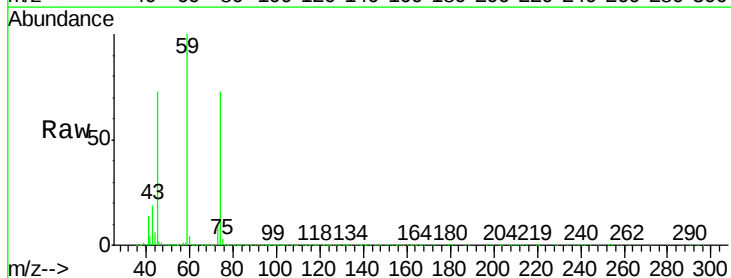
MMDadoda
3/16/2020 11:43:39 AM

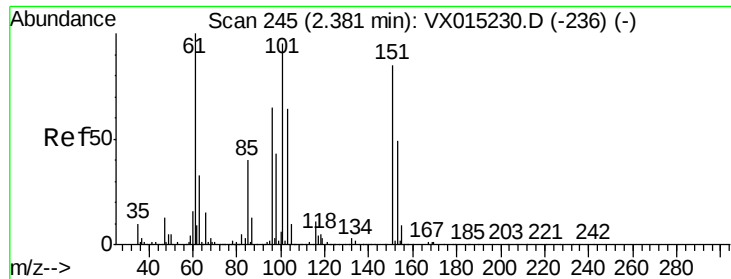


#8

Diethyl Ether
Concen: 104.758 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	20.3	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.701 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

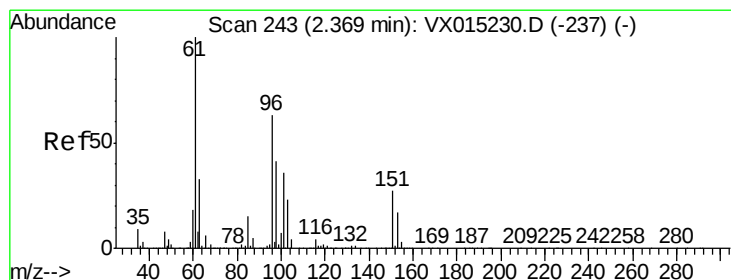
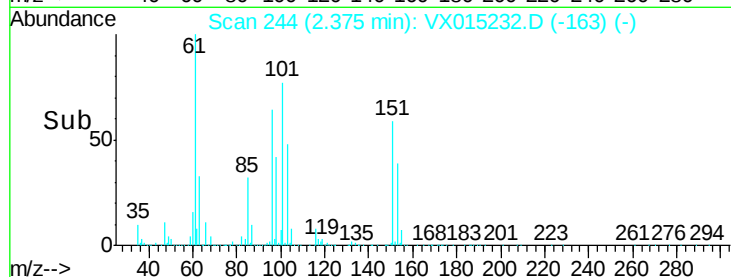
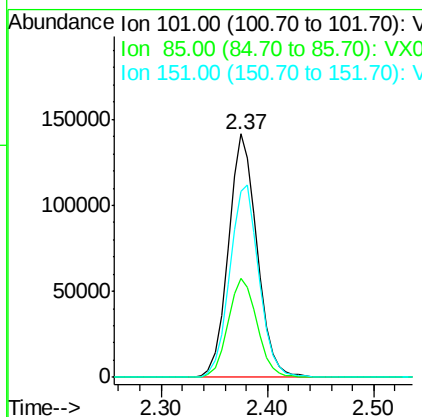
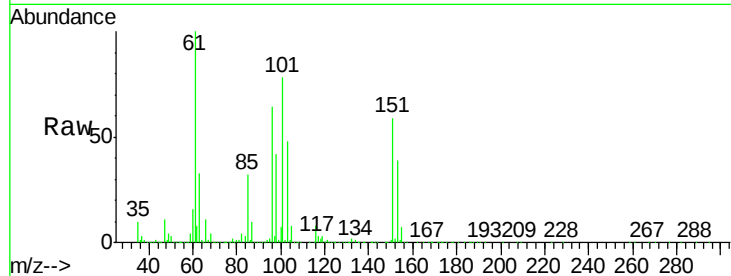
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	265936
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	82.0
151	81.1	0.0	165.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#10

1,1-Dichloroethene

Concen: 105.417 ug/l

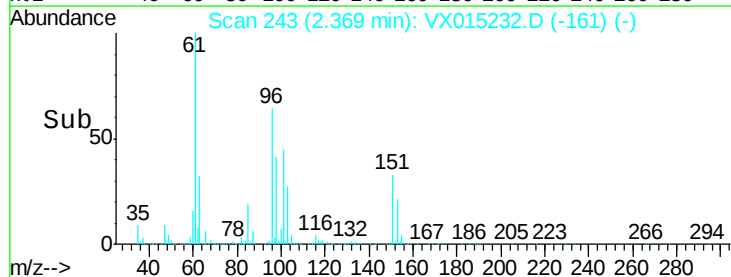
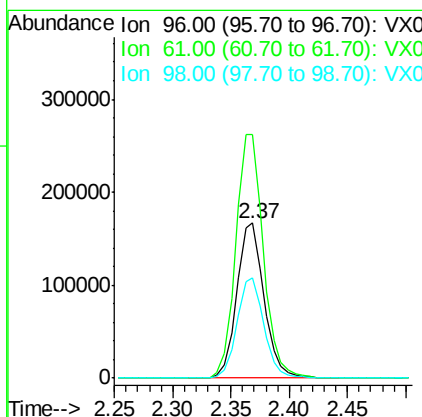
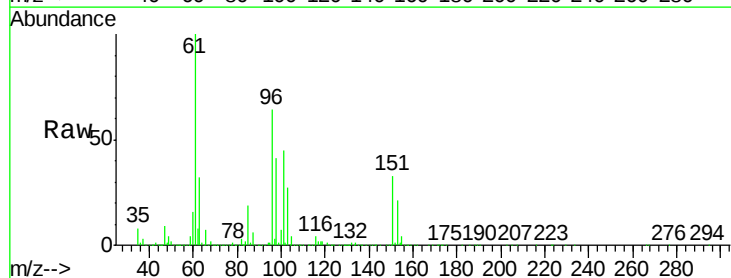
RT: 2.37 min Scan# 243

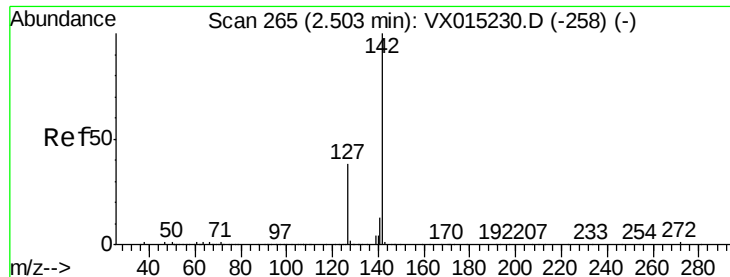
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	96	Resp:	271777
Ion Ratio	Lower	Upper	
96	100		
61	157.1	126.2	189.2
98	64.7	52.1	78.1





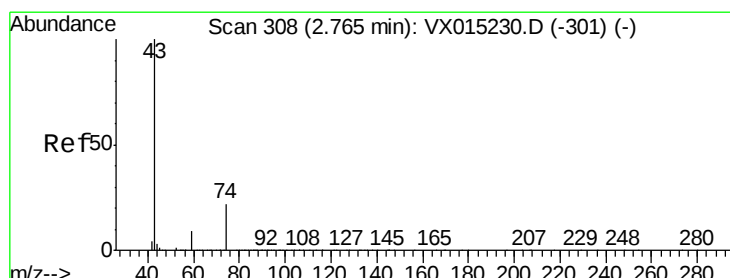
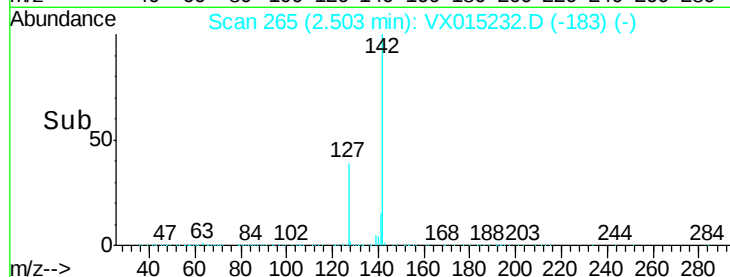
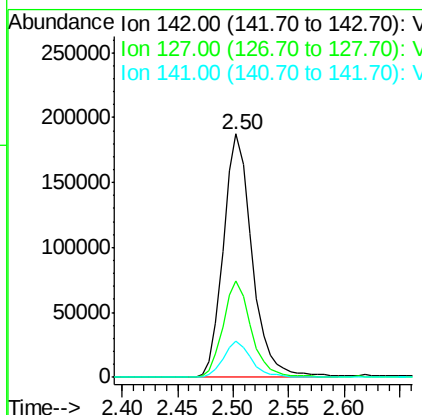
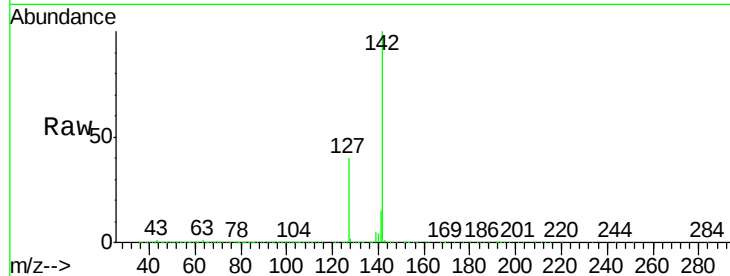
#11
Methvl Iodide
Concen: 107.418 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	18.9	56.9
141	14.6	6.6	19.7

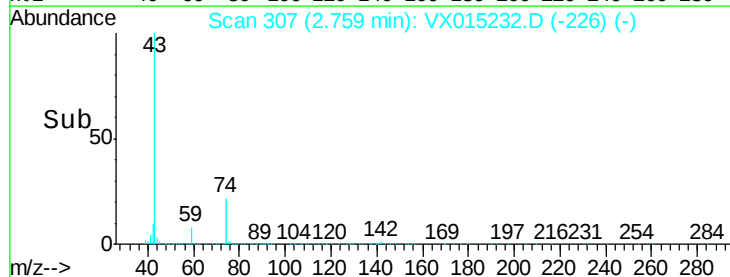
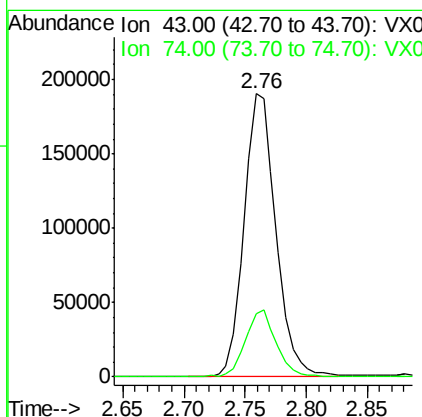
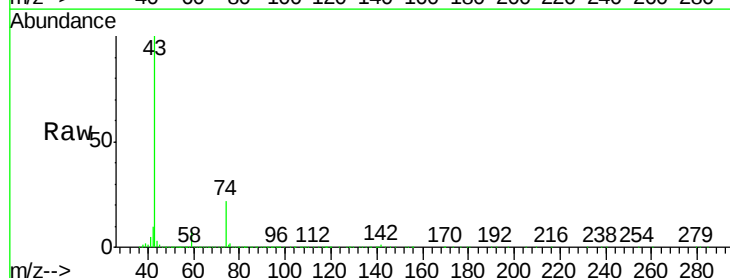
Manual Integrations
APPROVED

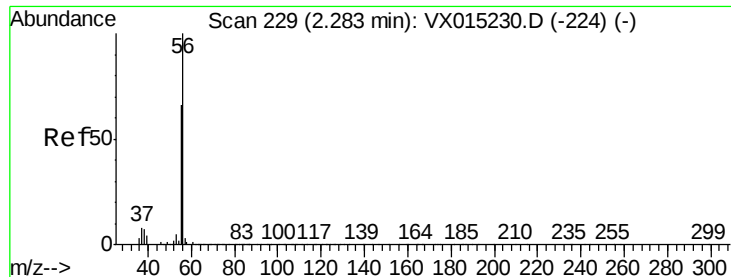
MMDadoda
3/16/2020 11:43:39 AM



#12
Methyl Acetate
Concen: 107.120 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0





#13

Acrolein

Concen: 397.733 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 253770

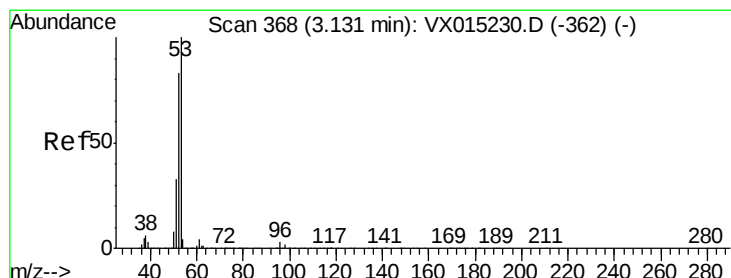
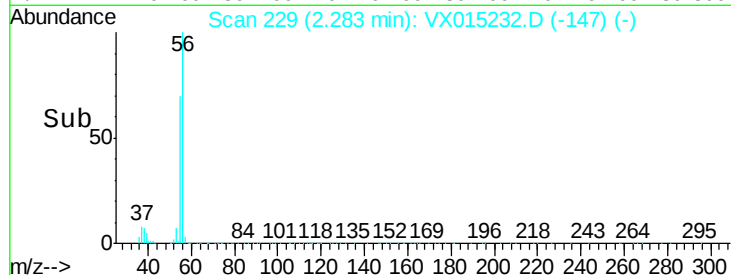
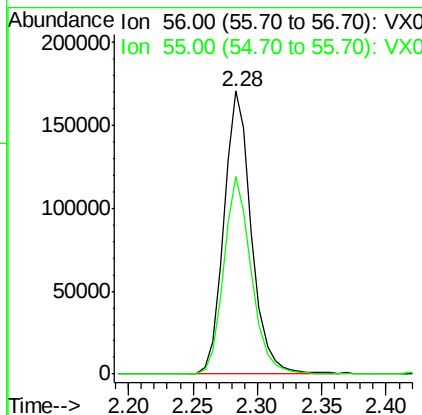
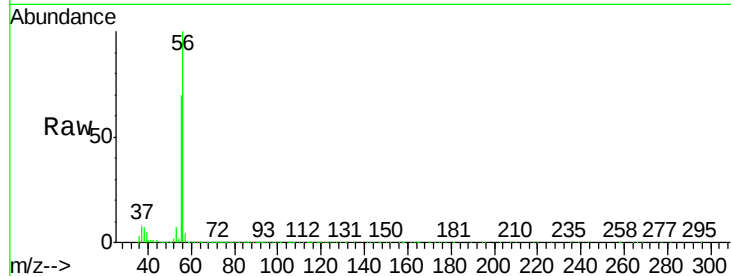
Ion Ratio Lower Upper

56 100

55 70.3 55.1 82.7

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#14

Acrylonitrile

Concen: 549.640 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

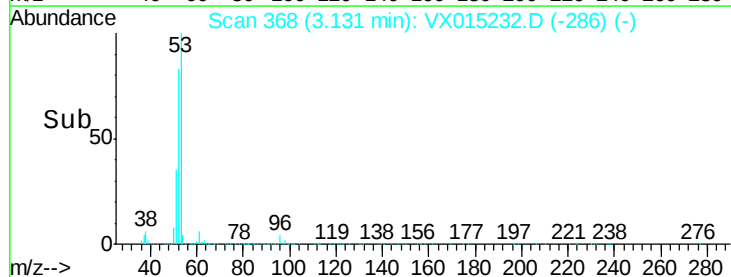
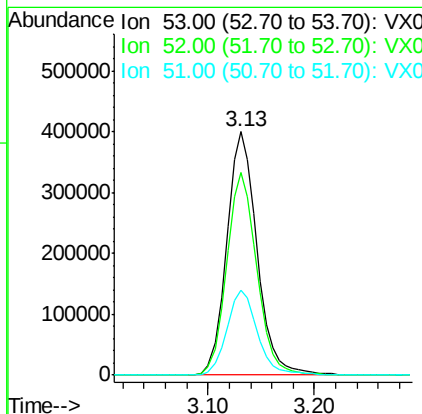
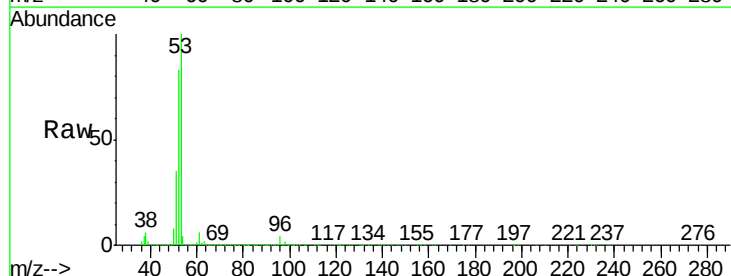
Tgt Ion: 53 Resp: 796343

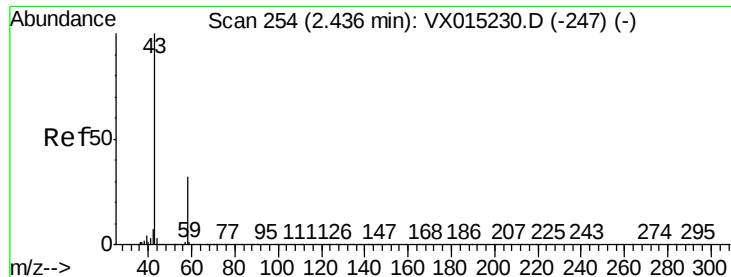
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.5

51 35.2 17.7 53.1





#15

Acetone

Concen: 408.181 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 211643

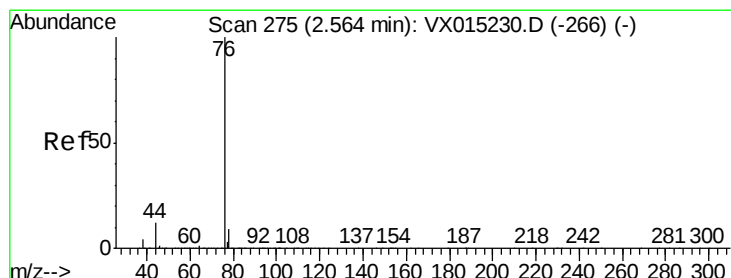
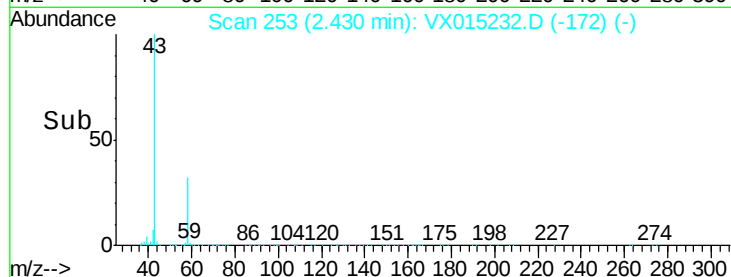
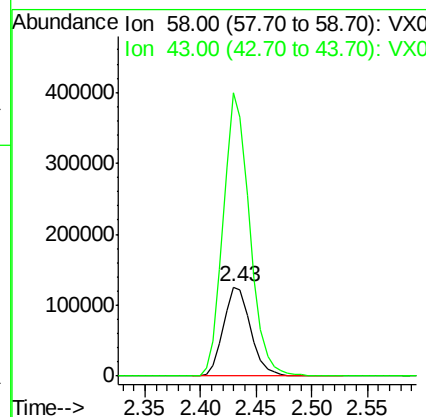
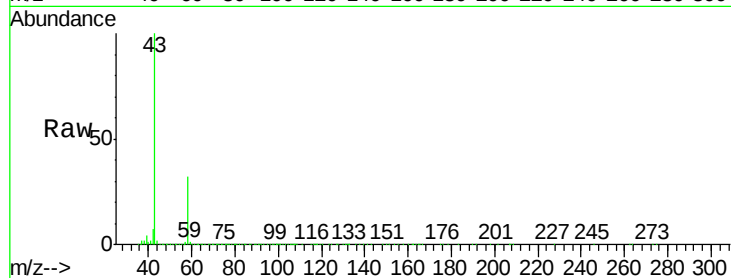
Ion Ratio Lower Upper

58 100

43 317.1 248.7 373.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#16

Carbon Disulfide

Concen: 113.599 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015232.D

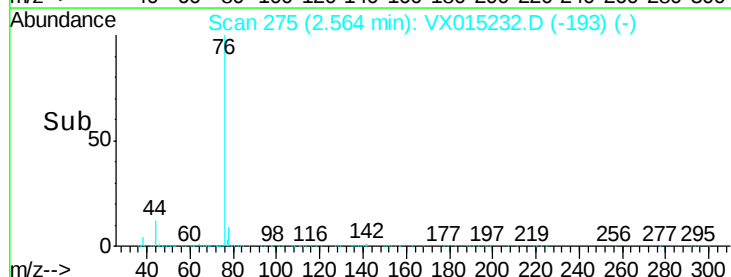
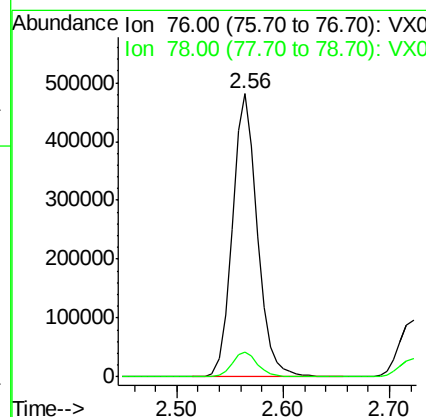
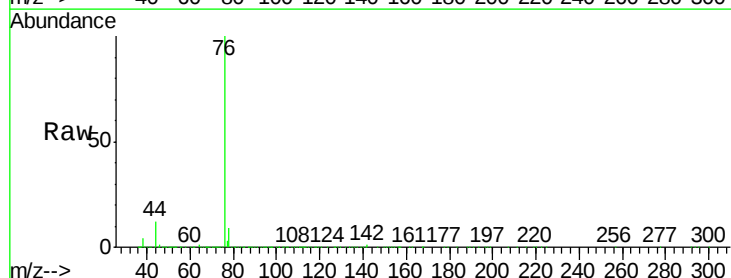
Acq: 12 Mar 2020 13:01

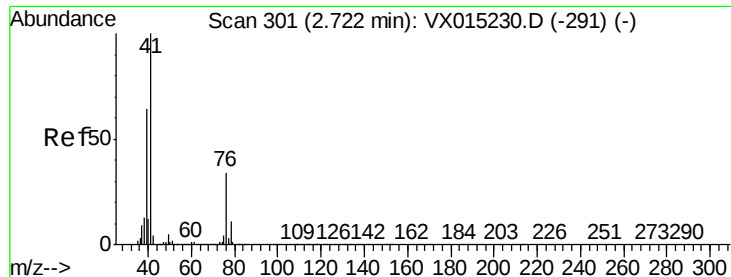
Tgt Ion: 76 Resp: 787452

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





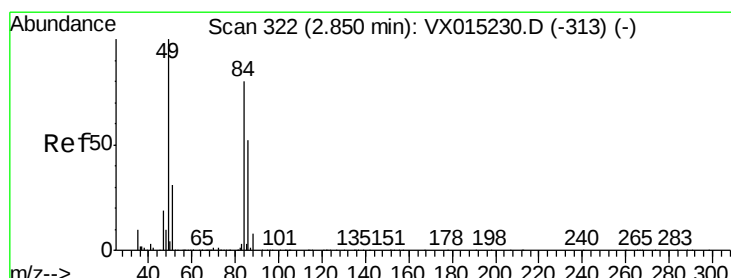
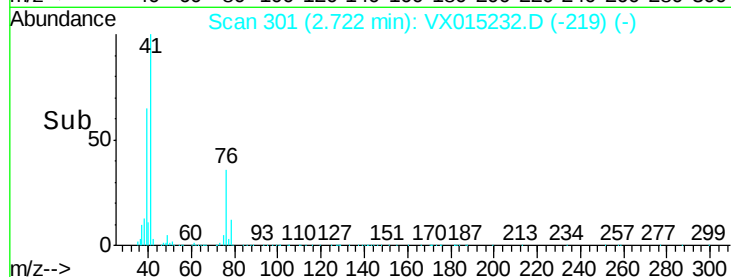
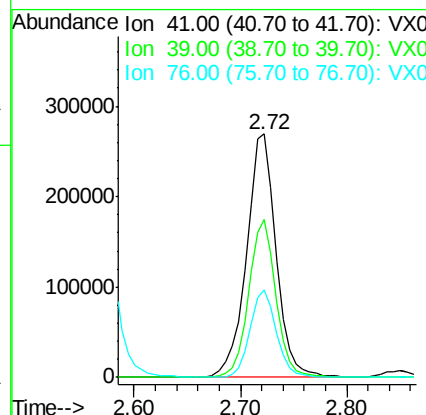
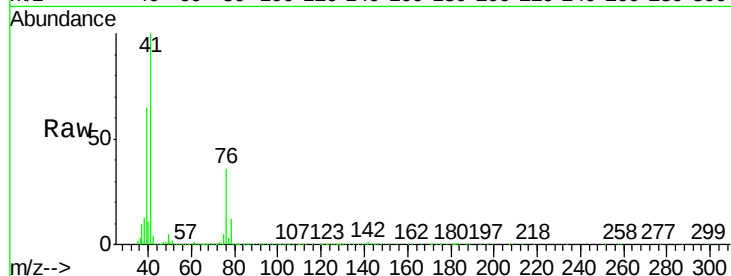
#17
Allvl chloride
Concen: 117.183 ug/l
RT: 2.72 min Scan# 301
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	525529
Ion Ratio		Lower	Upper
41	100		
39	65.1	32.1	96.5
76	35.6	17.2	51.5

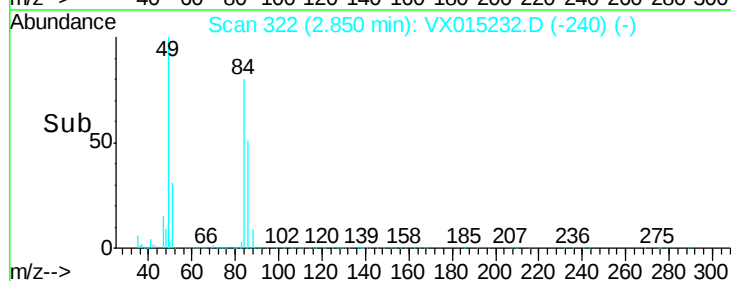
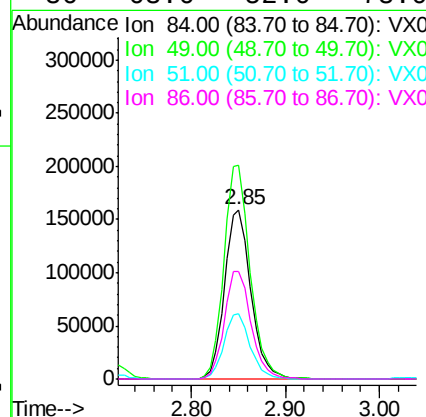
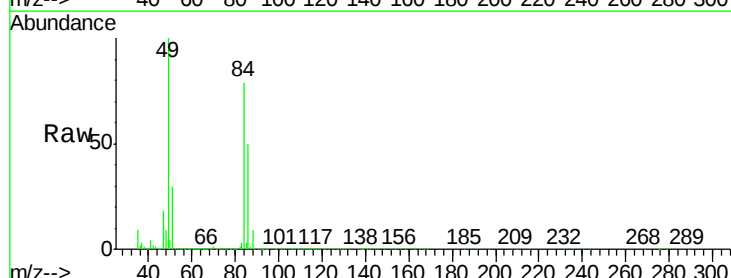
Manual Integrations
APPROVED

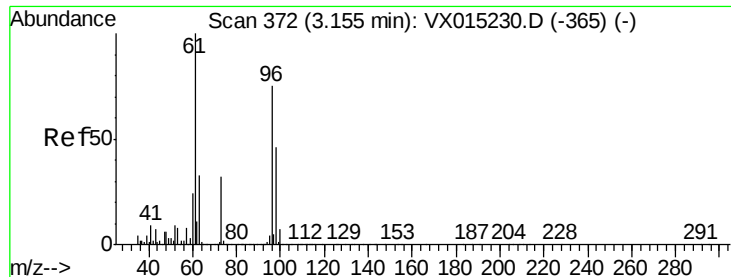
MMDadoda
3/16/2020 11:43:39 AM



#18
Methylene Chloride
Concen: 103.724 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion:	84	Resp:	308106
Ion Ratio		Lower	Upper
84	100		
49	126.1	99.5	149.3
51	38.2	31.0	46.6
86	63.6	52.0	78.0





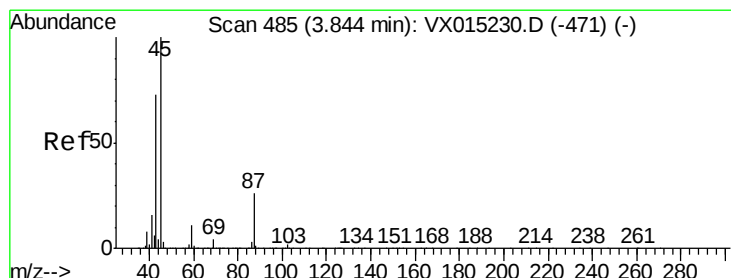
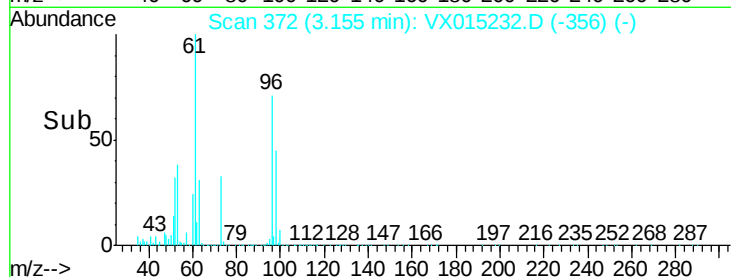
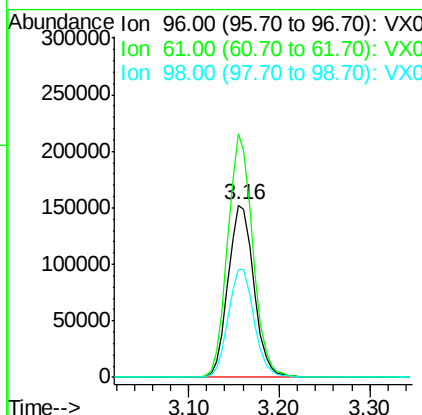
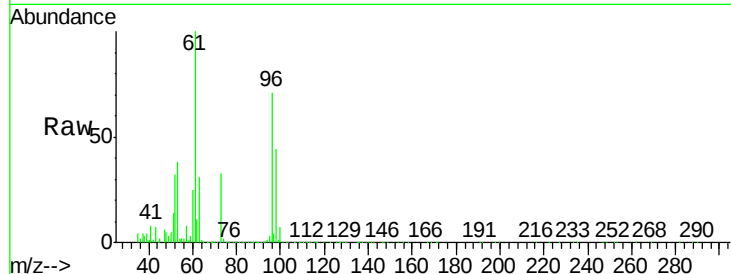
#19
trans-1,2-Dichloroethene
Concen: 106.466 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	141.4	106.3	159.5	
98	62.9	49.1	73.7	

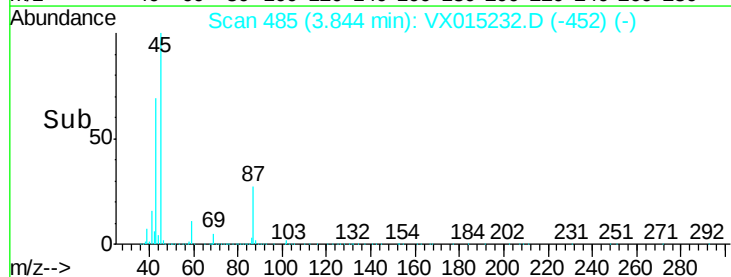
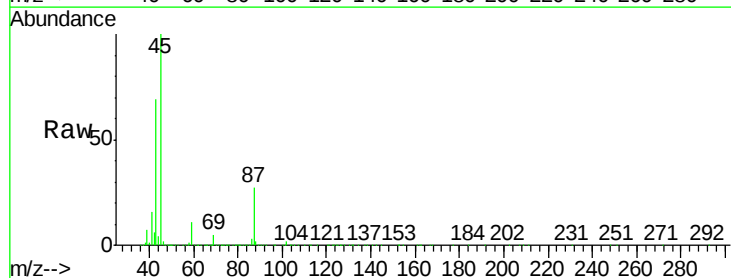
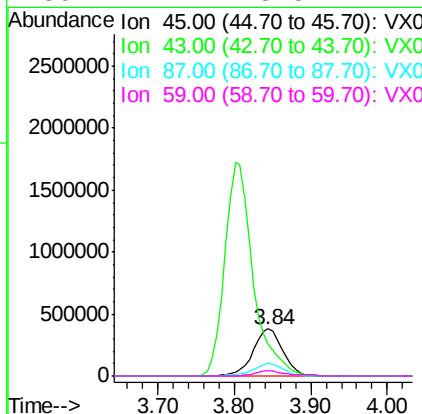
Manual Integrations
APPROVED

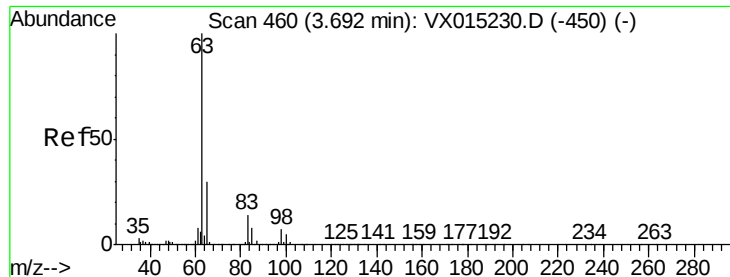
MMDadoda
3/16/2020 11:43:39 AM



#20
Diisopropyl ether
Concen: 112.868 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	68.6	58.6	87.8	
87	27.1	21.0	31.4	
59	11.4	8.5	12.7	





#21

1,1-Dichloroethane

Concen: 107.877 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

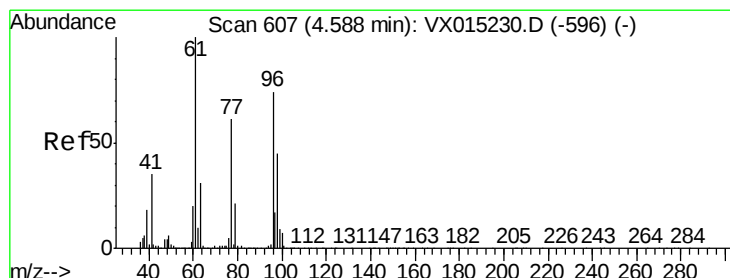
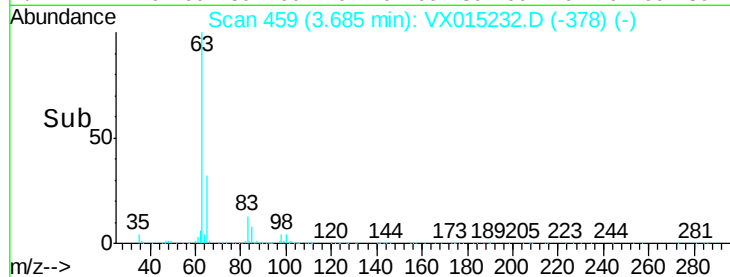
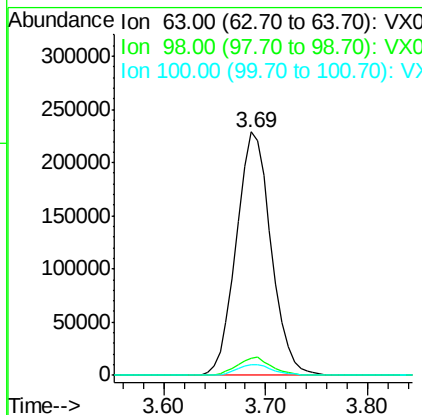
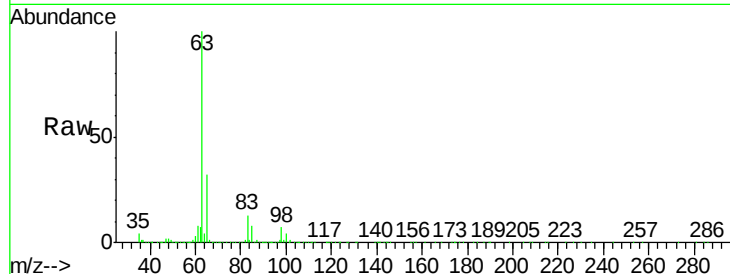
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	541617
Ion Ratio		Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.3	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#22

cis-1,2-Dichloroethene

Concen: 105.369 ug/l

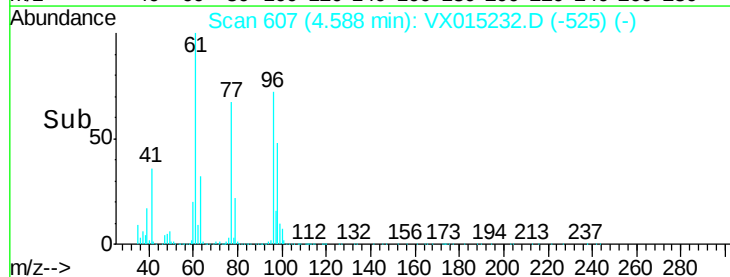
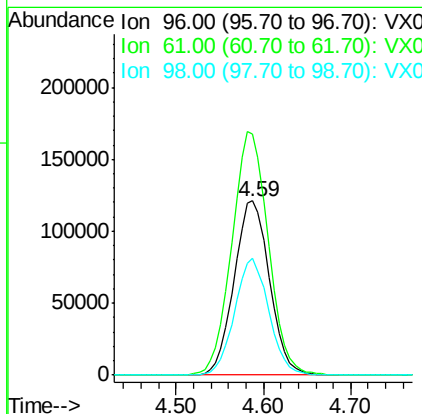
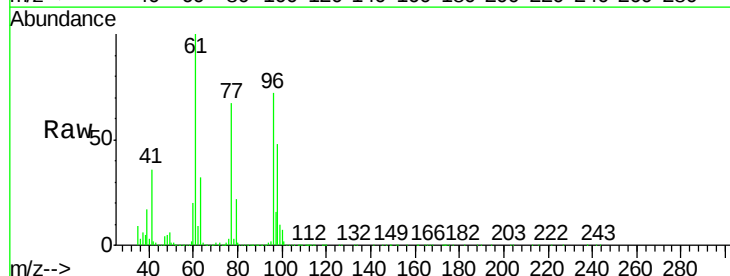
RT: 4.59 min Scan# 607

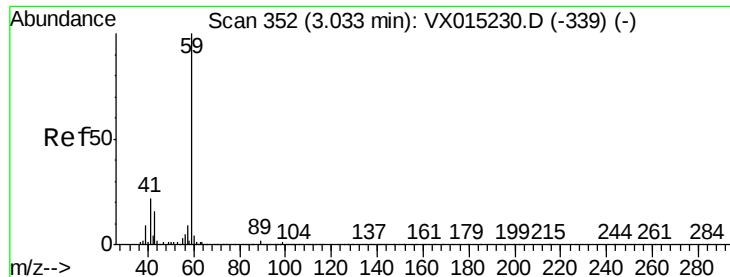
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	96	Resp:	341447
Ion Ratio		Lower	Upper
96	100		
61	142.8	111.4	167.0
98	64.6	50.1	75.1





#23

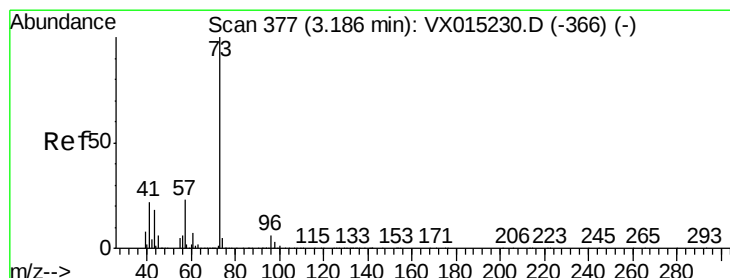
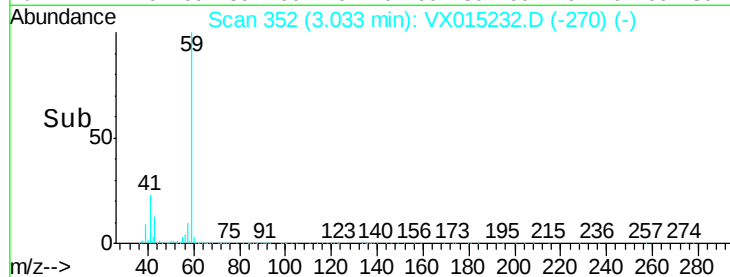
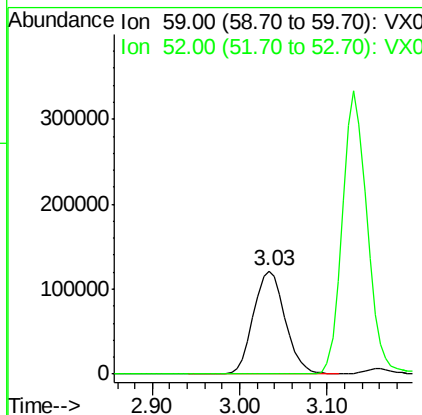
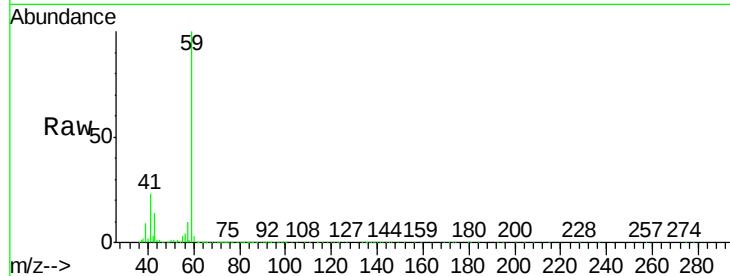
tert-Butyl Alcohol
Concen: 534.921 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.4	0.6#

Manual Integrations
APPROVED

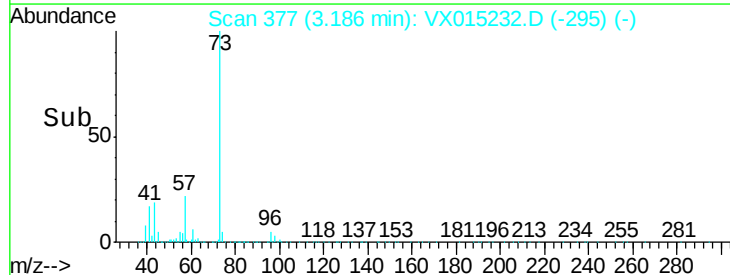
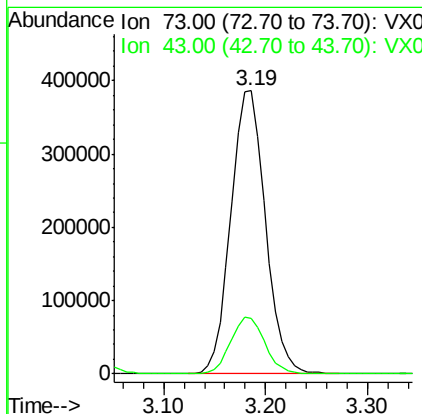
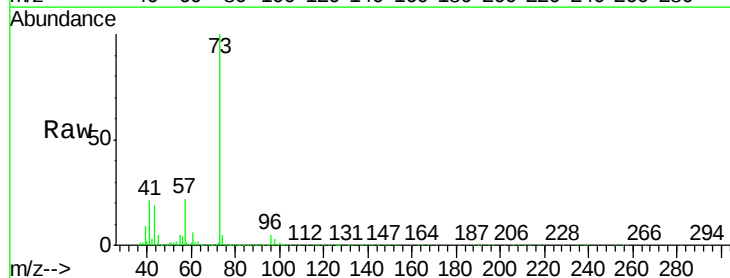
MMDadoda
3/16/2020 11:43:39 AM

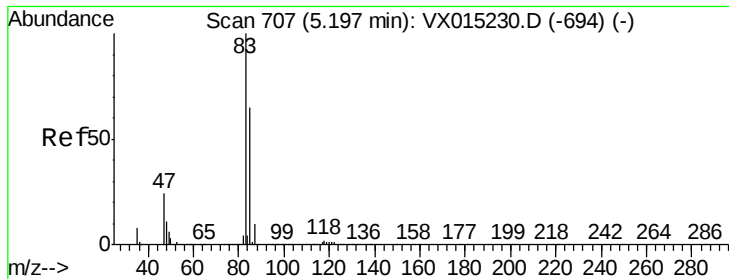


#24

Methyl tert-Butyl Ether
Concen: 105.868 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	15.9	23.9





#25

Chloroform

Concen: 102.675 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 519844

Ion Ratio Lower Upper

83 100

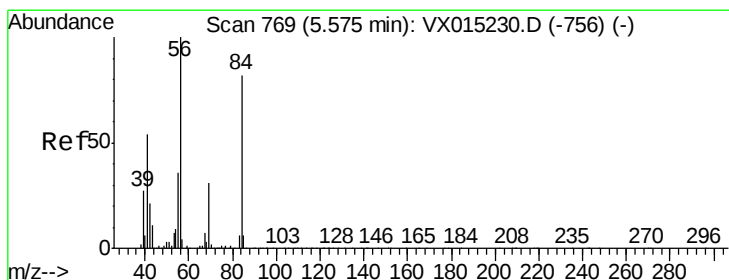
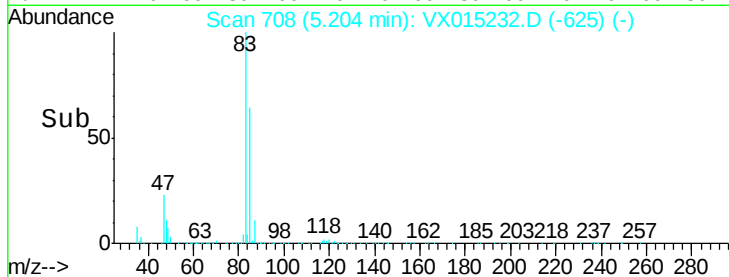
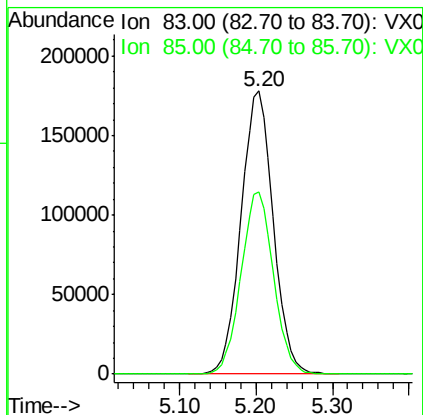
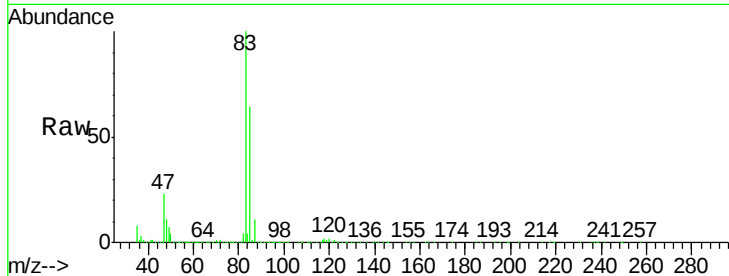
85 64.1 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#26

Cyclohexane

Concen: 114.586 ug/l

RT: 5.58 min Scan# 769

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

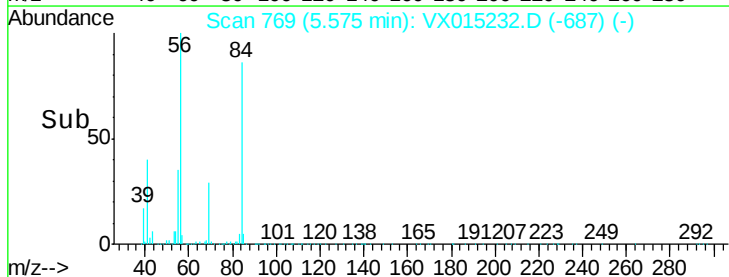
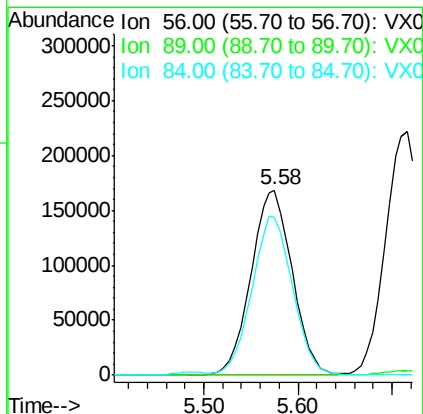
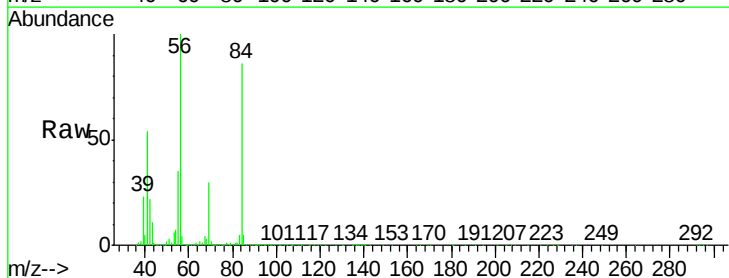
Tgt Ion: 56 Resp: 514178

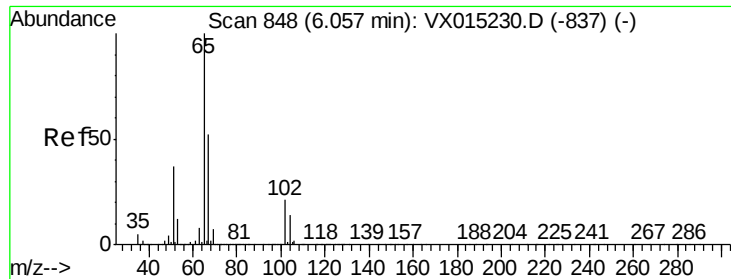
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 85.2 68.2 102.4





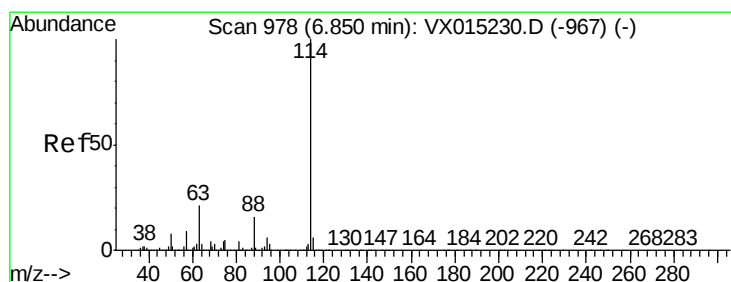
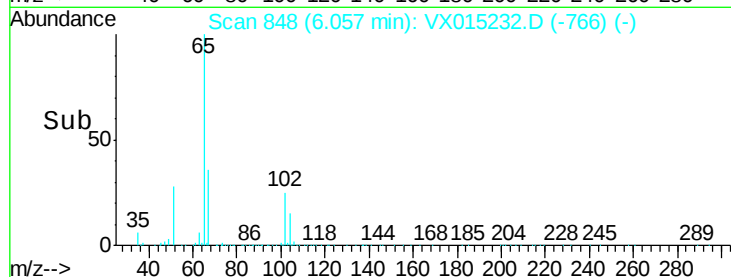
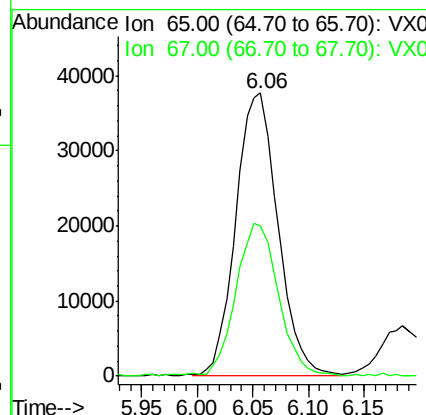
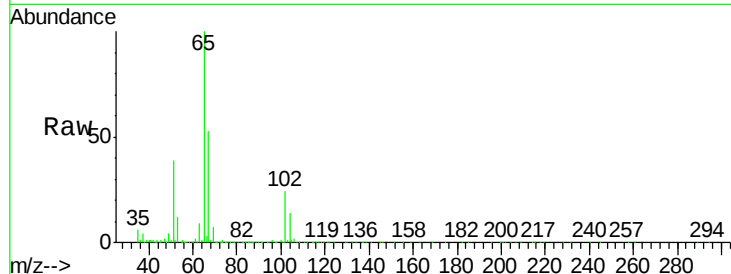
#27
 1,2-Dichloroethane-d4
 Concen: 28.871 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	43.5	65.3

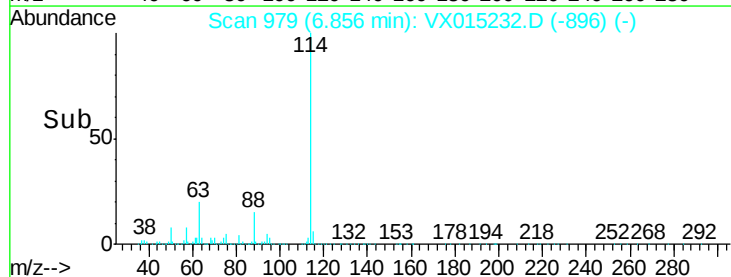
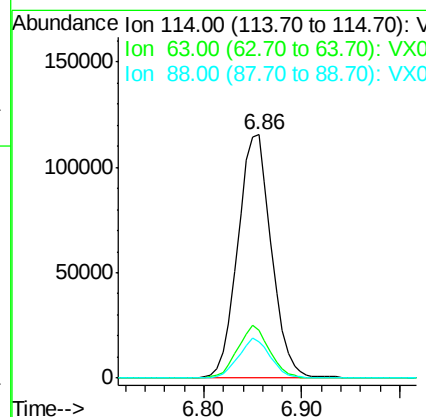
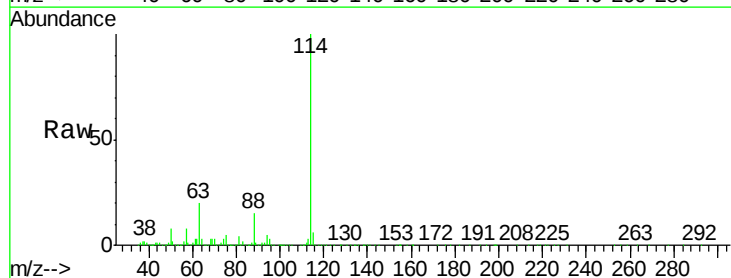
Manual Integrations
 APPROVED

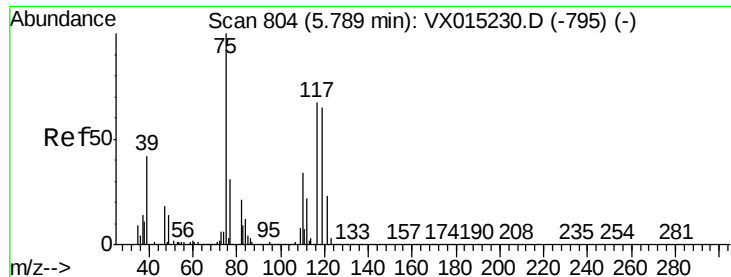
MMDadoda
 3/16/2020 11:43:39 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.6	24.8
88	15.6	12.6	19.0





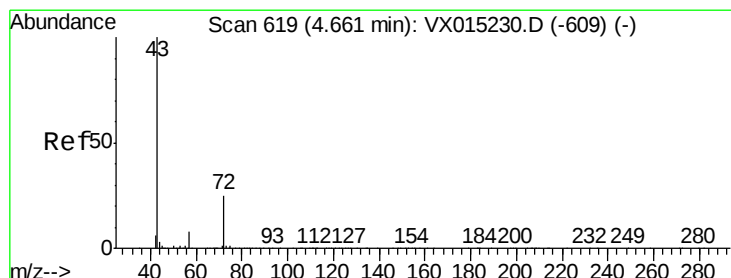
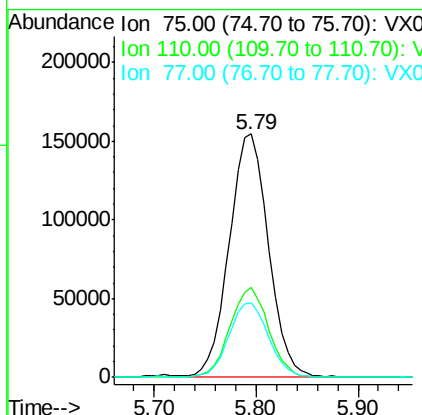
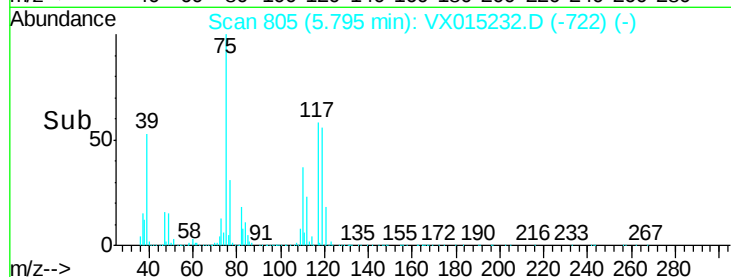
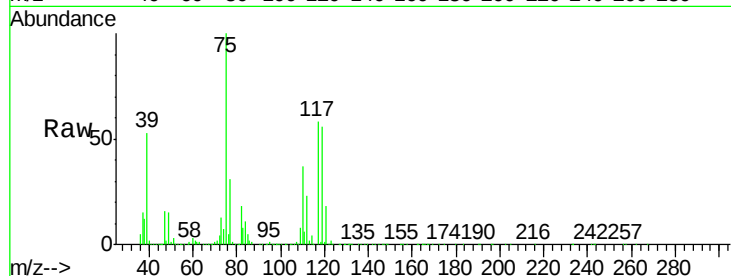
#29
 1,1-Dichloropropene
 Concen: 105.597 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.5	0.0	73.6
77	30.8	0.0	63.4

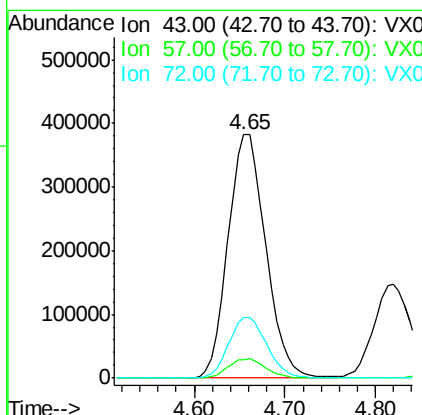
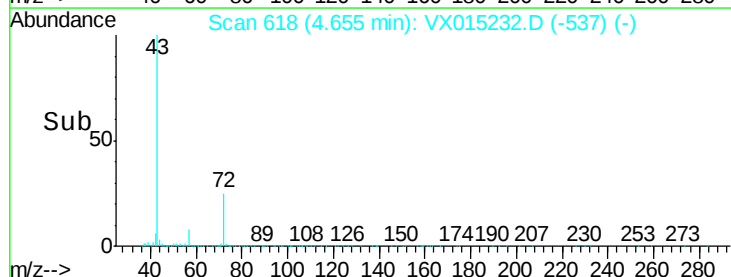
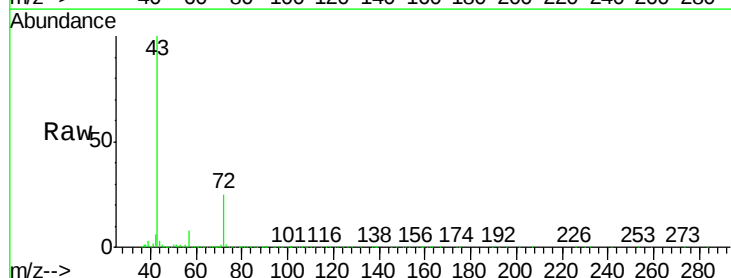
Manual Integrations
 APPROVED

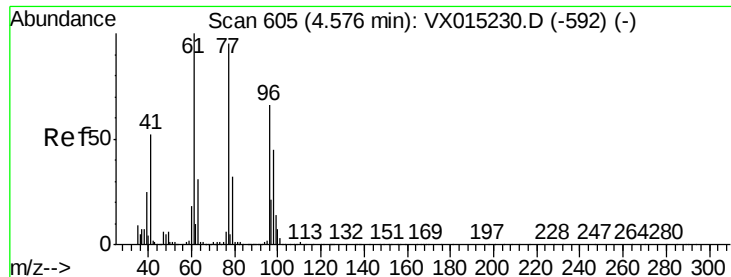
MMDadoda
 3/16/2020 11:43:39 AM



#30
 2-Butanone
 Concen: 489.226 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	24.8	19.9	29.9





#31

2,2-Dichloropropane

Concen: 101.064 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 431842

Ion Ratio Lower Upper

77 100

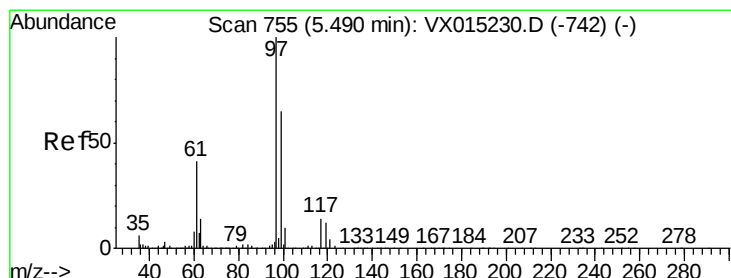
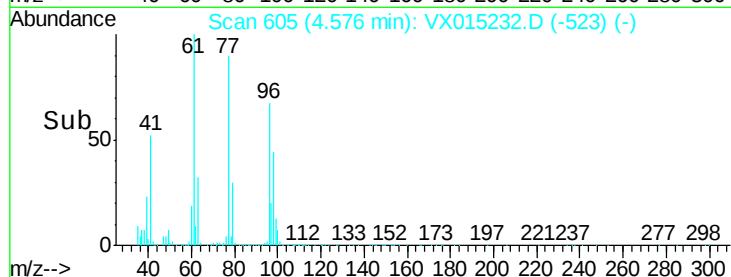
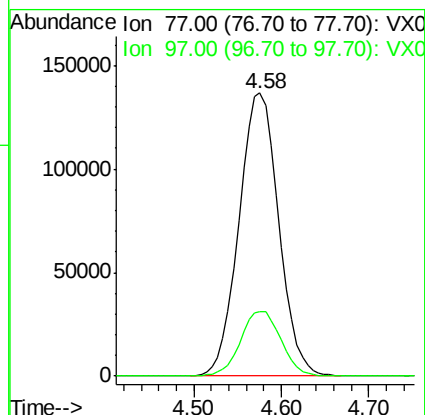
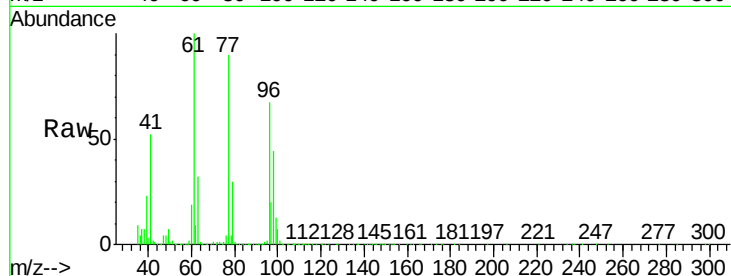
97 23.3 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#32

1,1,1-Trichloroethane

Concen: 100.796 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

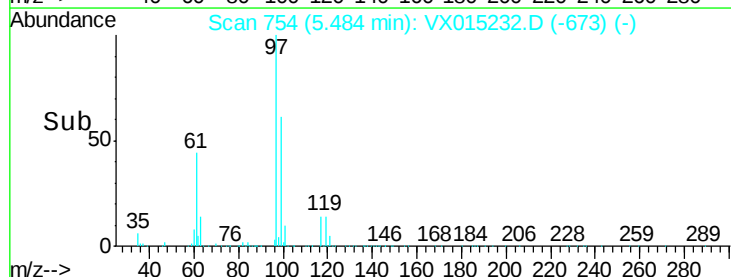
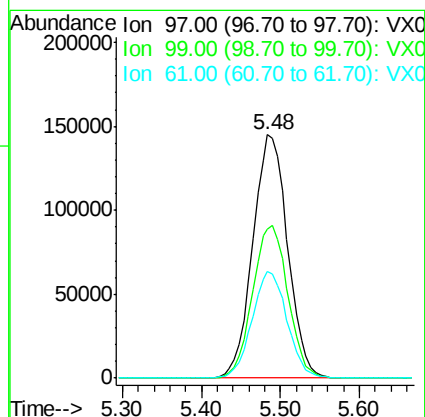
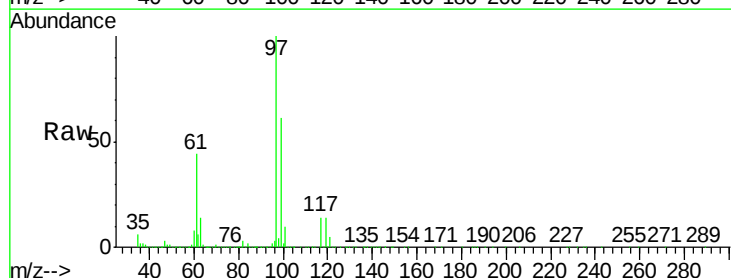
Tgt Ion: 97 Resp: 445426

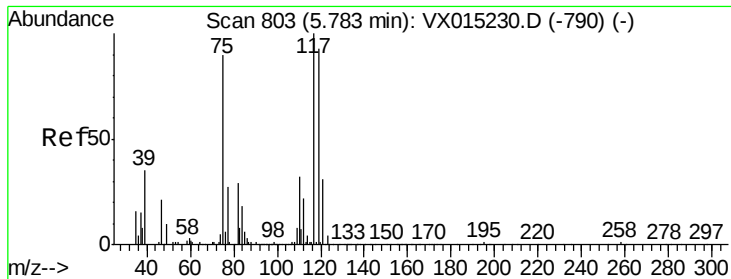
Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 43.5 35.0 52.6





#33

Carbon Tetrachloride

Concen: 100.630 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

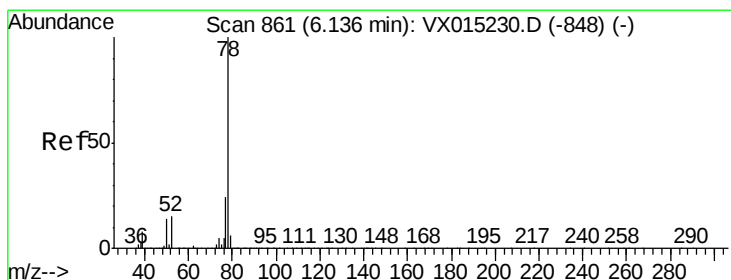
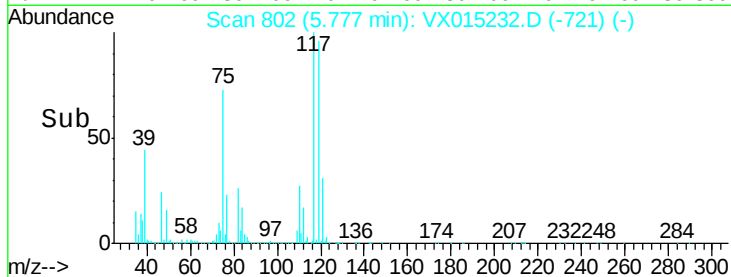
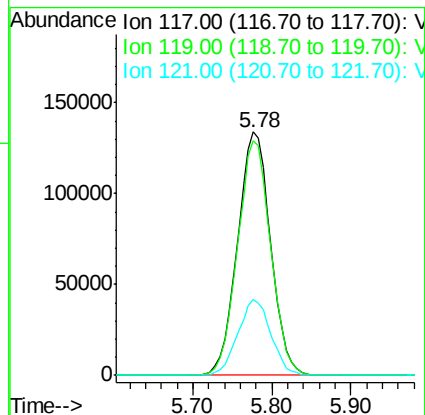
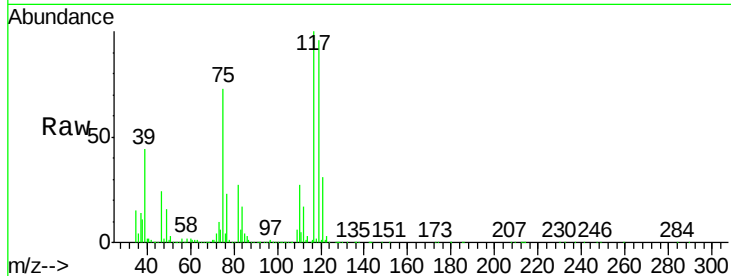
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	389275
Ion Ratio	Lower	Upper	
117	100		
119	96.1	74.2	111.4
121	31.4	24.3	36.5

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#34

Benzene

Concen: 106.230 ug/l

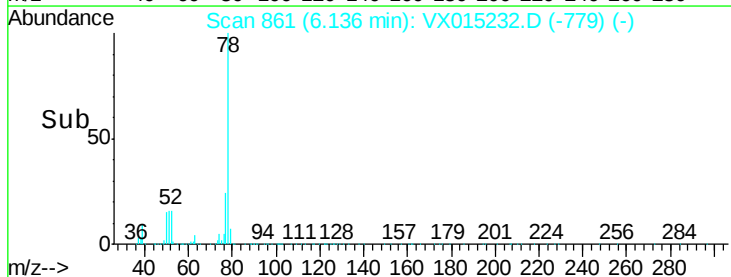
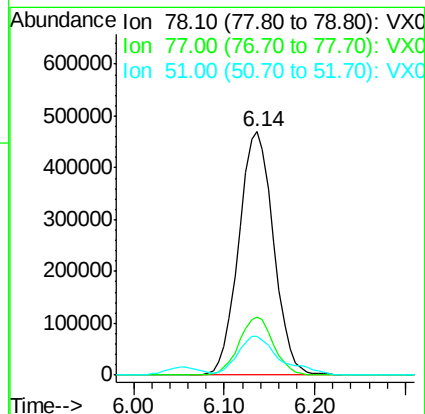
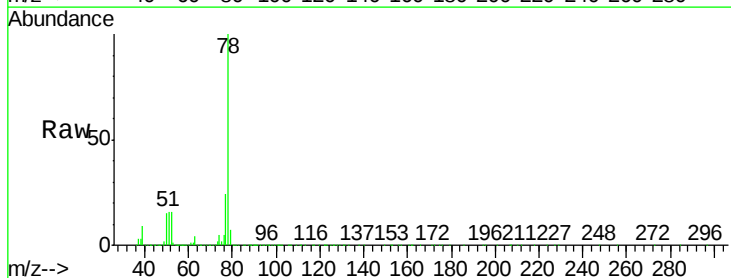
RT: 6.14 min Scan# 861

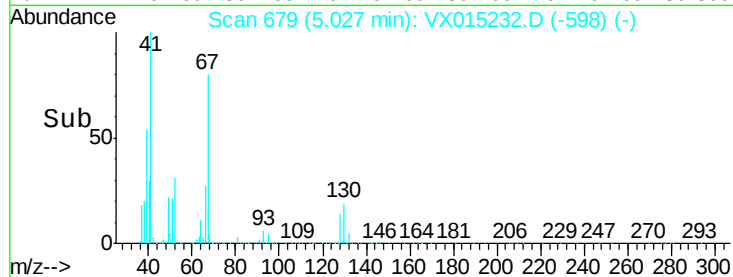
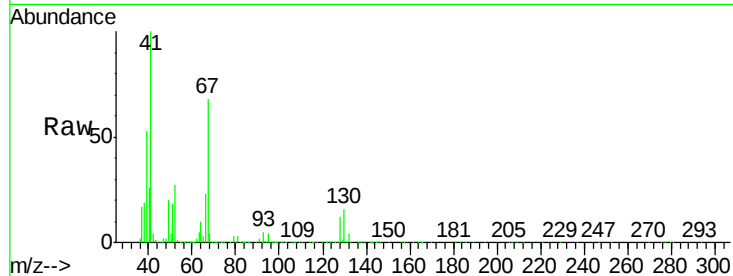
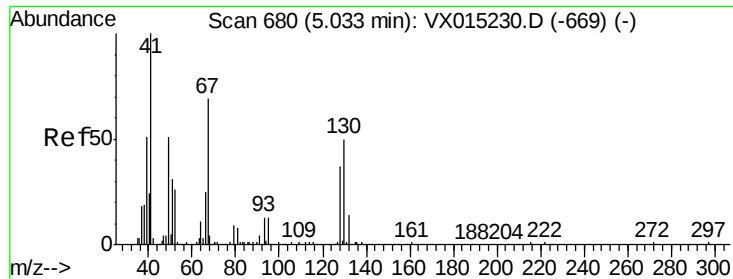
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

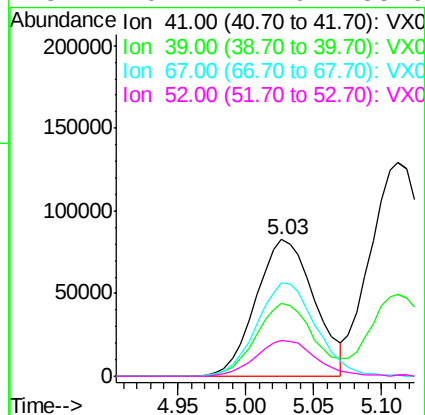
Tgt Ion:	78	Resp:	1247356
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.1	28.7
51	15.6	13.4	20.2





#35
Methacrylonitrile
Concen: 108.833 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

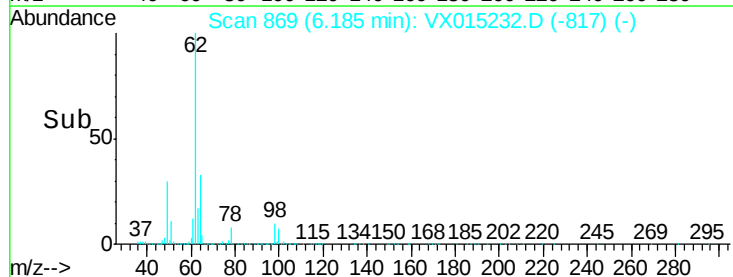
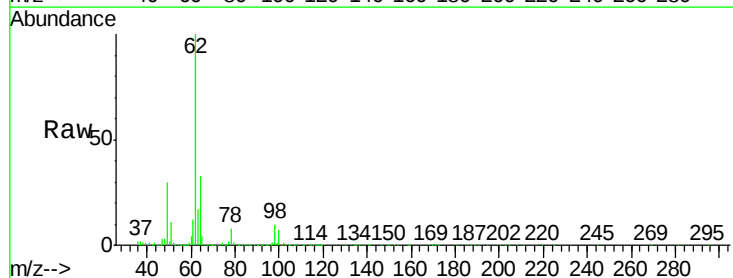
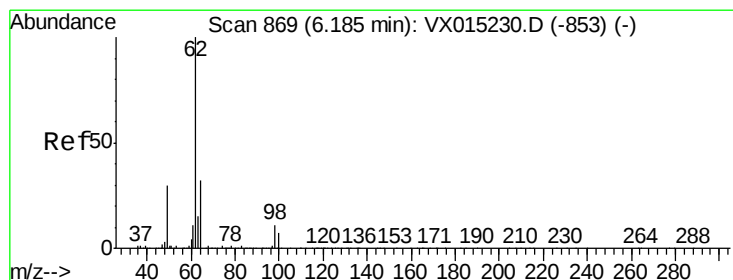
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	25.7	77.1	
67	68.3	34.3	102.8	
52	26.4	12.9	38.6	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

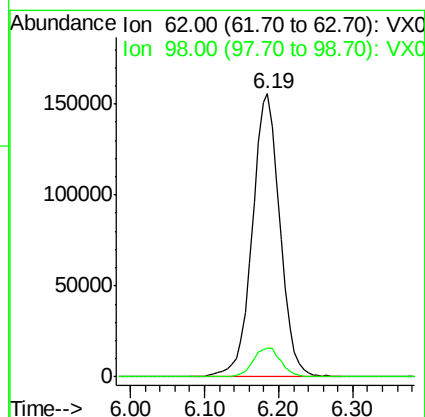
Manual Integrations
APPROVED

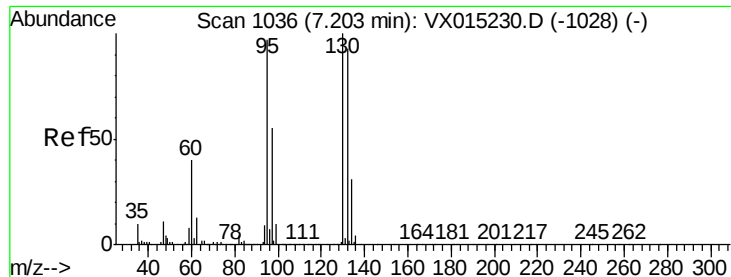
MMDadoda
3/16/2020 11:43:39 AM



#36
1,2-Dichloroethane
Concen: 97.210 ug/l
RT: 6.19 min Scan# 869
Delta R.T. -0.18 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	8.4	12.6	





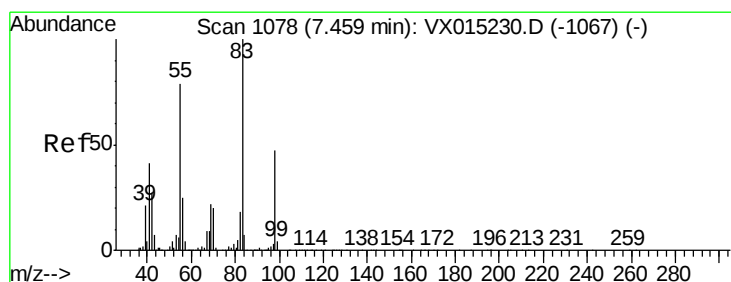
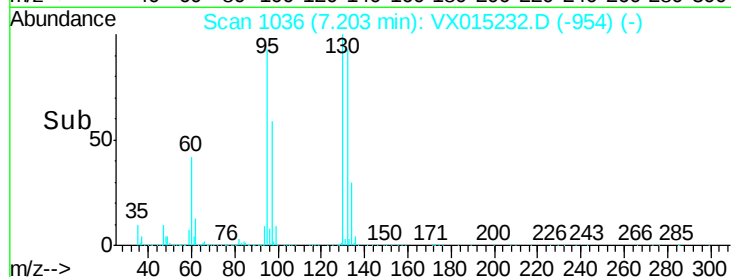
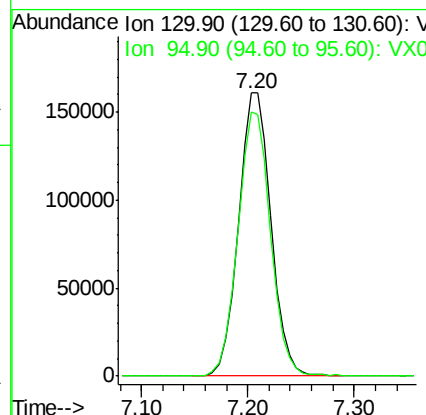
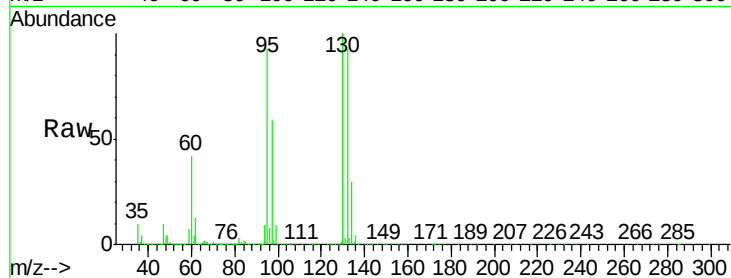
#37
 Trichloroethene
 Concen: 104.467 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
130	100		
95	93.2	77.4	116.0

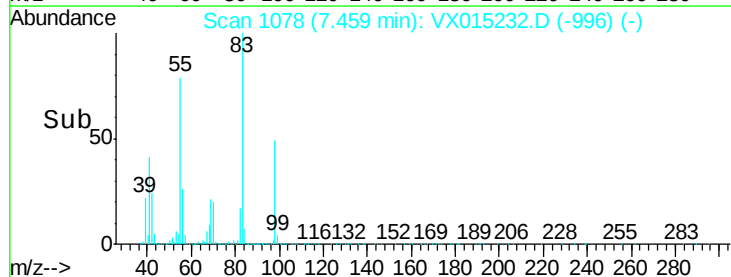
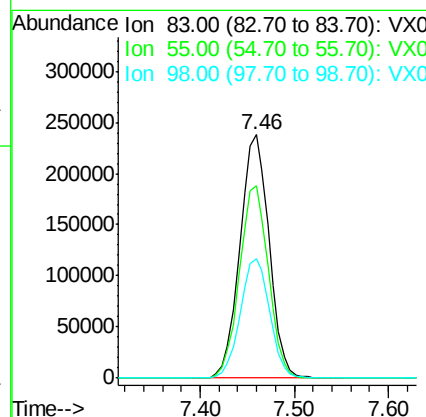
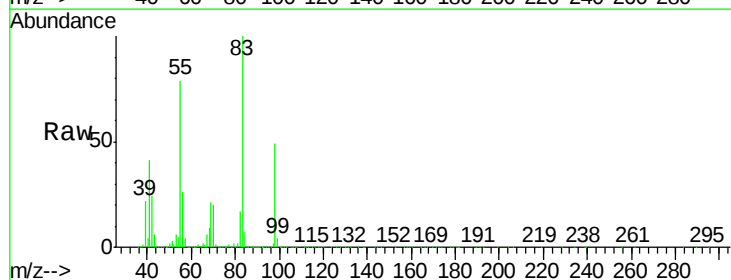
Manual Integrations
 APPROVED

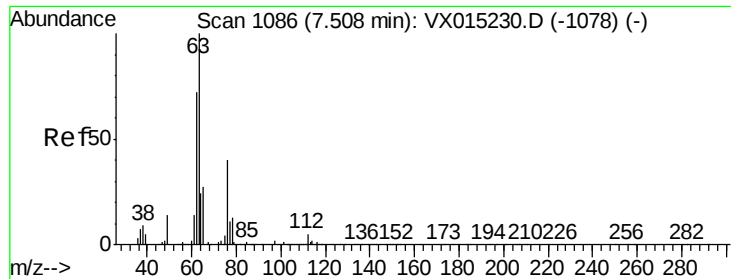
MMDadoda
 3/16/2020 11:43:39 AM



#38
 Methylcyclohexane
 Concen: 106.181 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.8	39.1	117.2
98	49.7	24.4	73.2





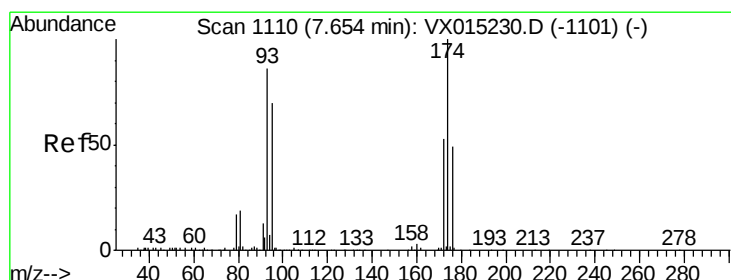
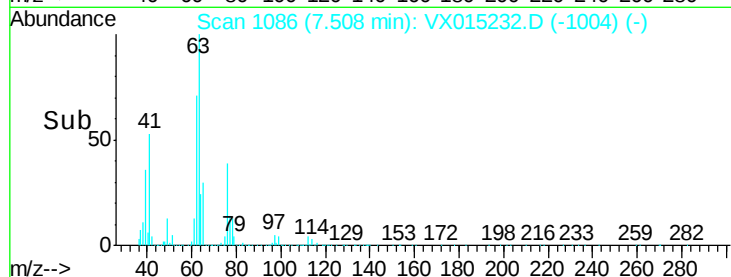
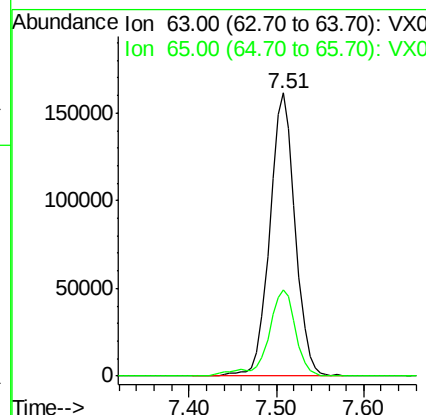
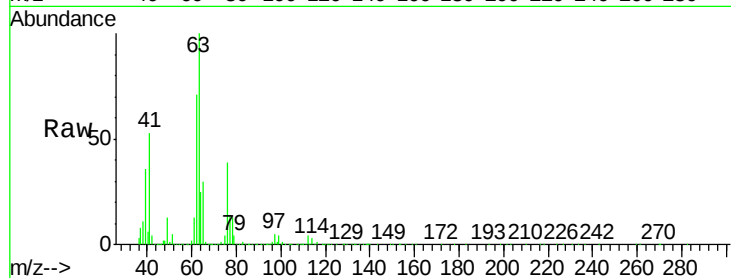
#39
 1,2-Dichloropropane
 Concen: 108.691 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.2	34.8

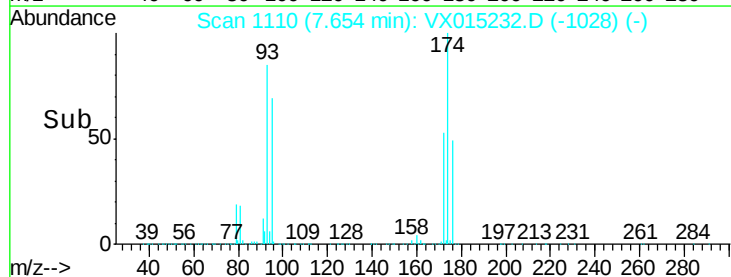
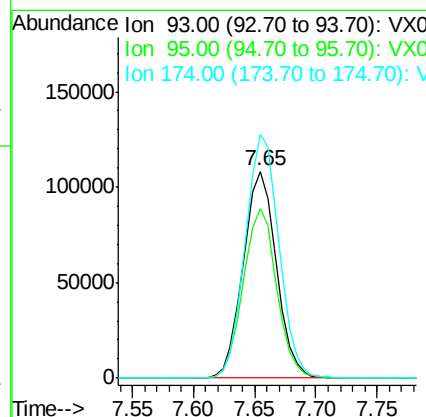
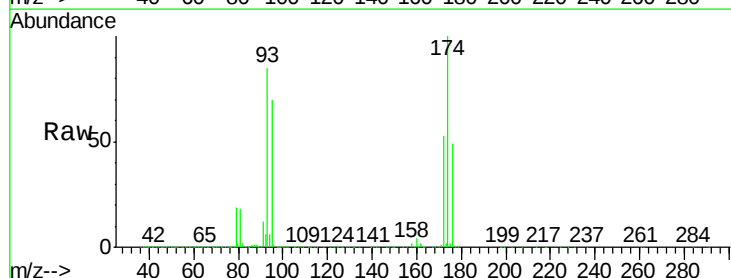
Manual Integrations
 APPROVED

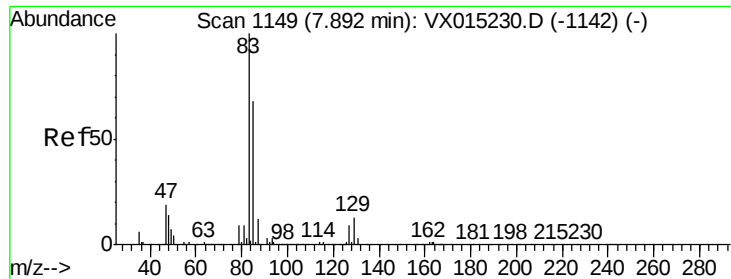
MMDadoda
 3/16/2020 11:43:39 AM



#40
 Dibromomethane
 Concen: 101.476 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	0.0	162.6
174	119.6	0.0	233.6





#41

Bromodichloromethane

Concen: 104.971 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

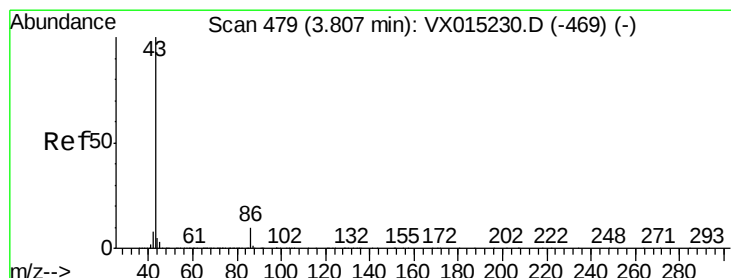
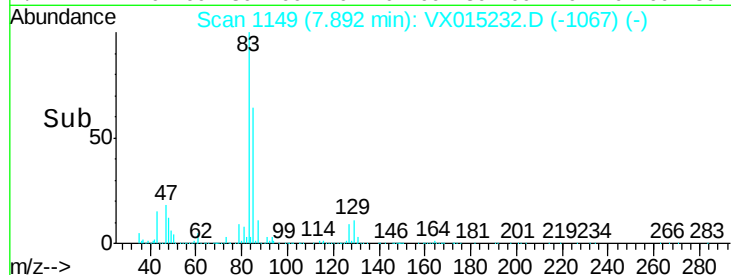
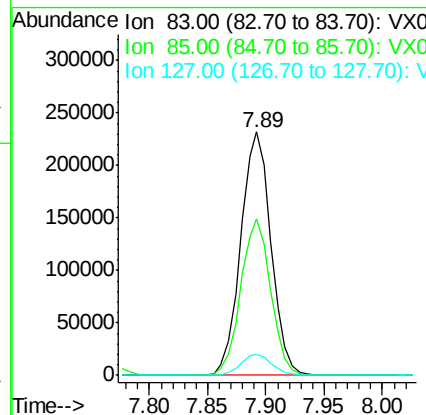
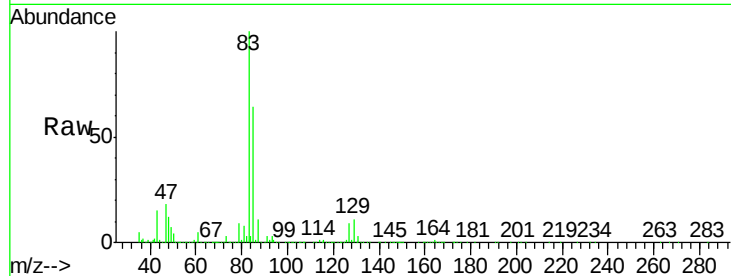
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	418492
Ion Ratio	Lower	Upper	
83	100		
85	64.0	54.2	81.4
127	8.6	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#42

Vinyl Acetate

Concen: 558.895 ug/l

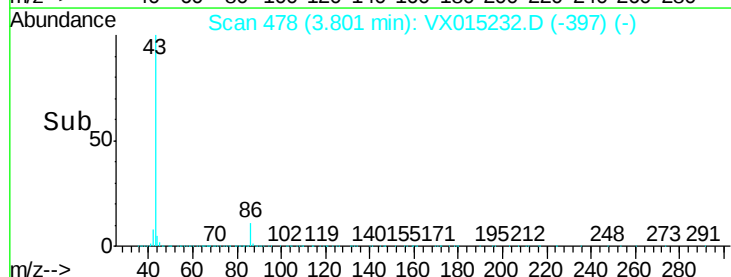
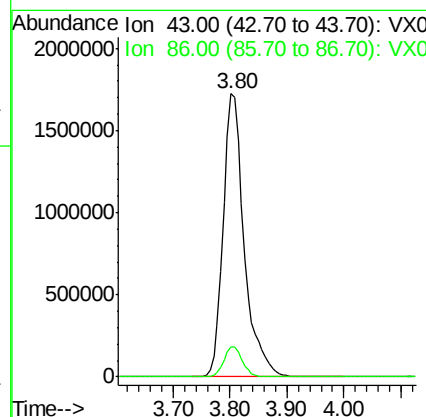
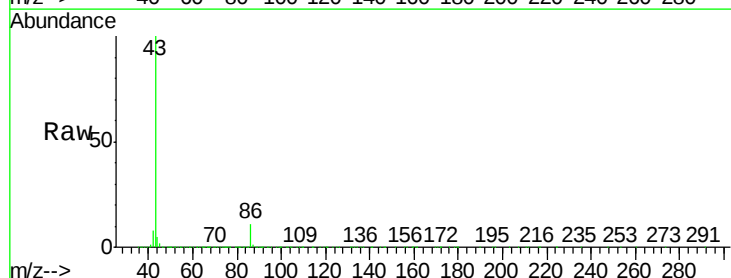
RT: 3.80 min Scan# 478

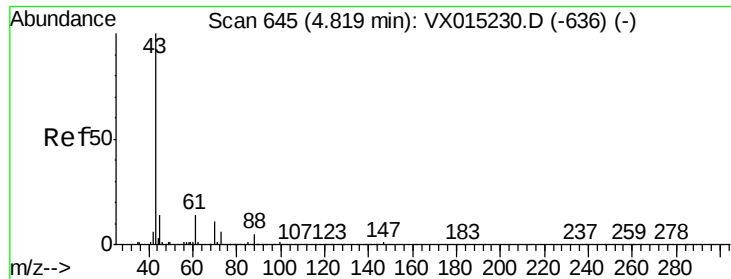
Delta R.T. -0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	43	Resp:	4418553
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2





#43

Ethyl Acetate

Concen: 106.883 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 434382

Ion Ratio Lower Upper

43 100

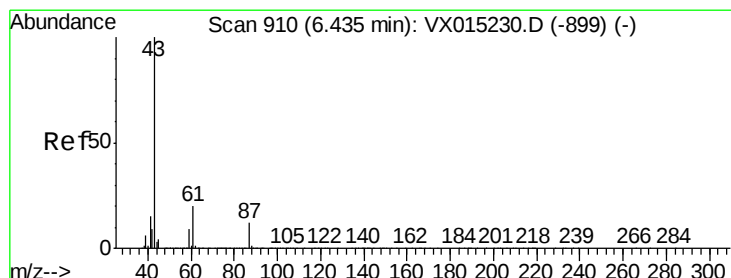
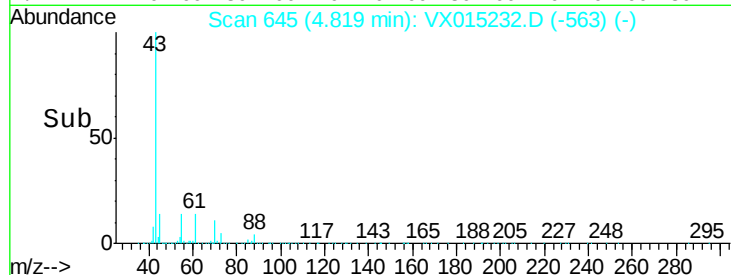
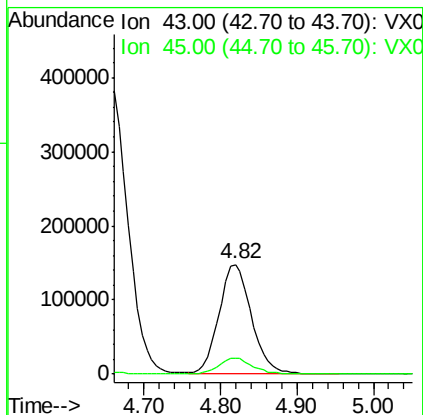
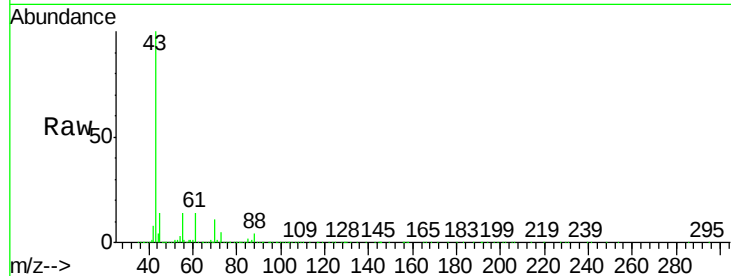
45 15.1 11.7 17.5

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#44

Isopropyl Acetate

Concen: 105.817 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX015232.D

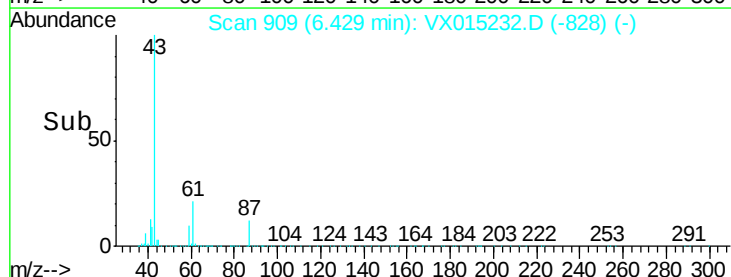
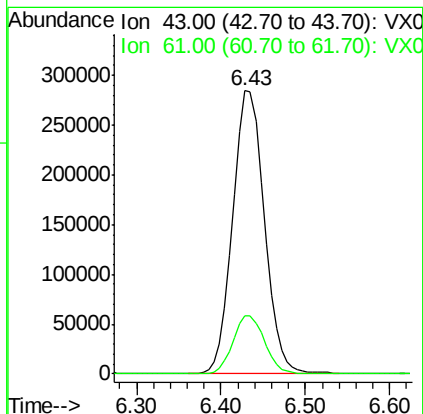
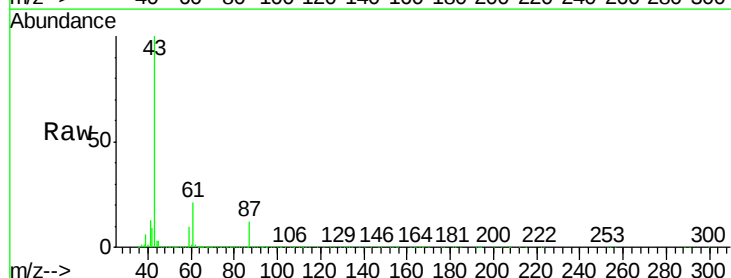
Acq: 12 Mar 2020 13:01

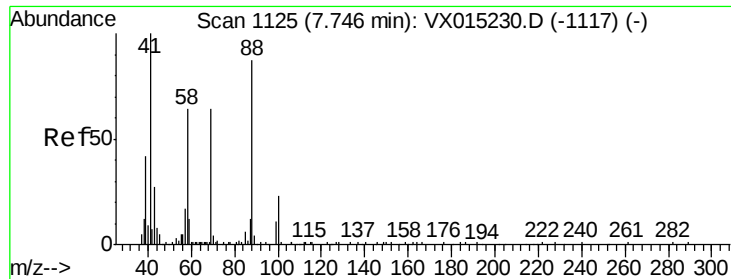
Tgt Ion: 43 Resp: 722944

Ion Ratio Lower Upper

43 100

61 20.6 17.0 25.4





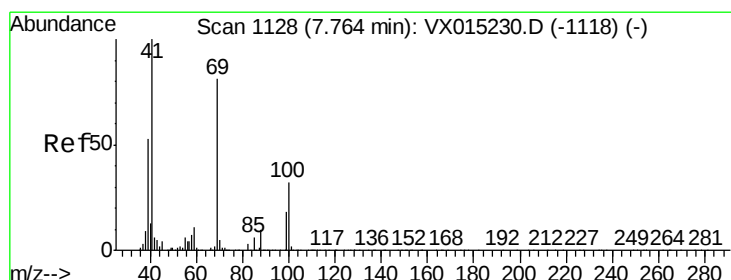
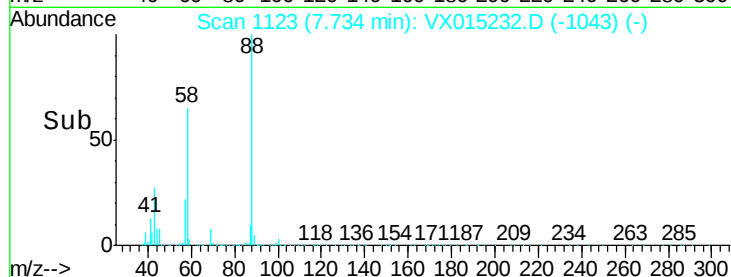
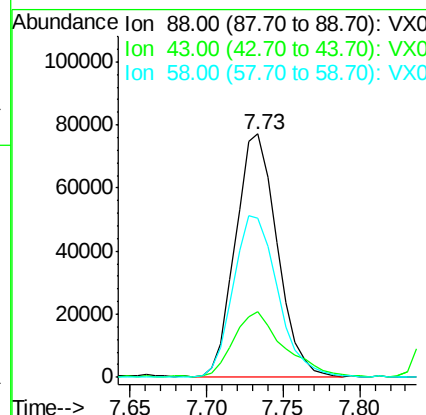
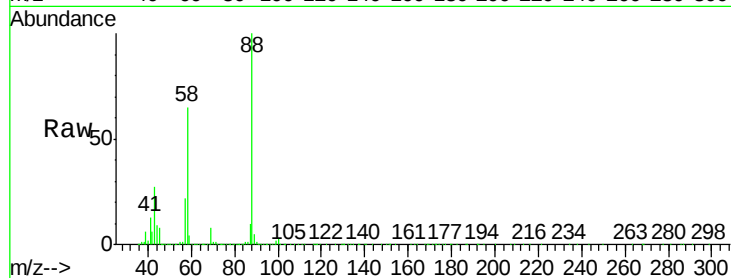
#45
1,4-Dioxane
Concen: 2324.599 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	26.4	39.6
58	70.8	57.3	85.9

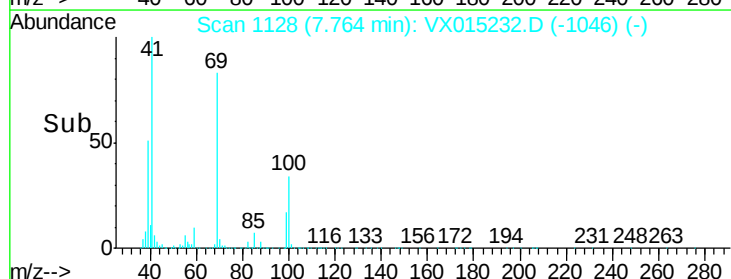
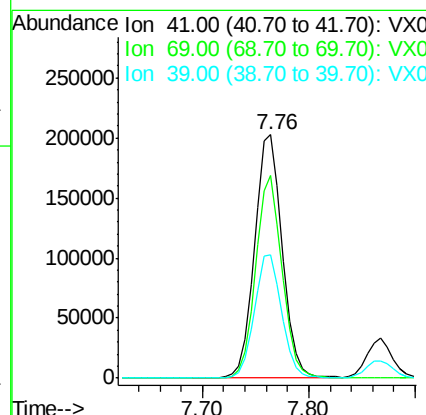
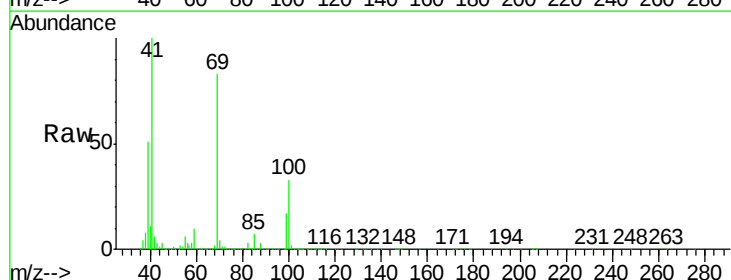
Manual Integrations
APPROVED

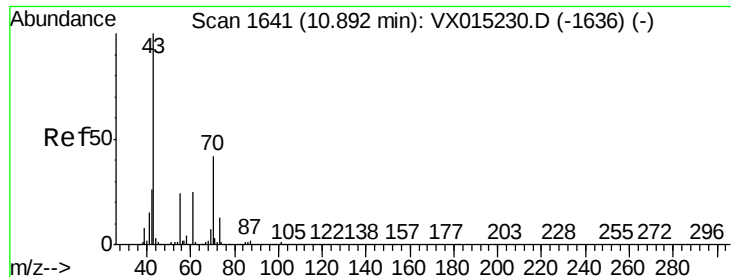
MMDadoda
3/16/2020 11:43:39 AM



#46
Methyl methacrylate
Concen: 108.962 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.1	40.5	121.4
39	50.5	26.6	79.8





#47

n-amvl Acetate

Concen: 113.966 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 674526

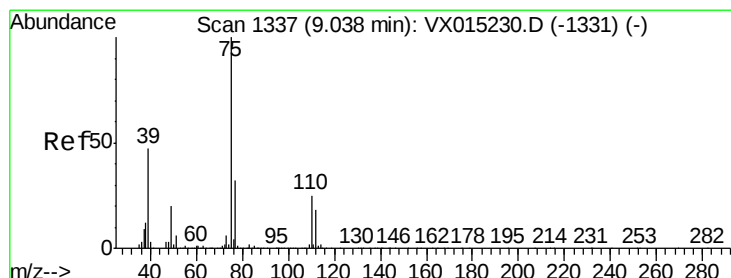
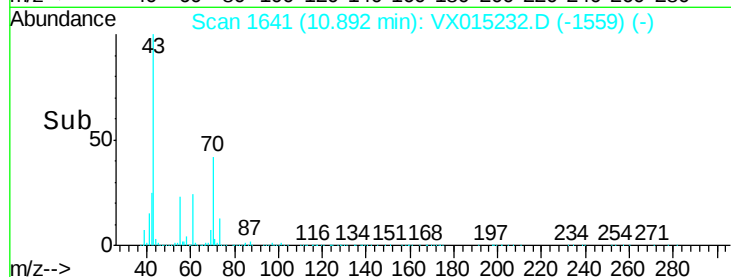
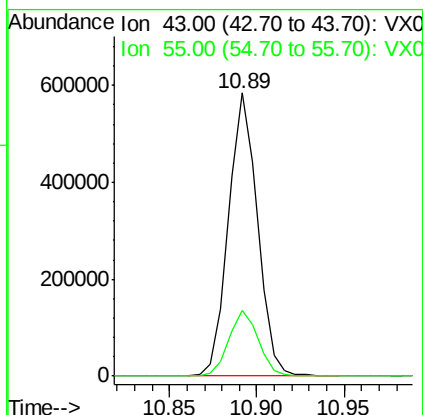
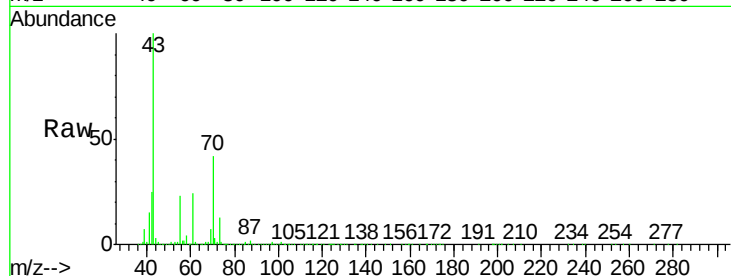
Ion Ratio Lower Upper

43 100

55 23.6 20.4 30.6

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#48

t-1,3-Dichloropropene

Concen: 107.979 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX015232.D

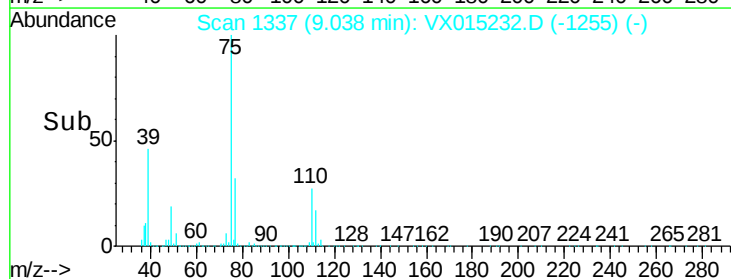
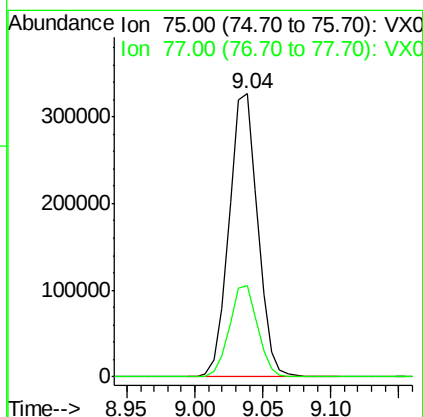
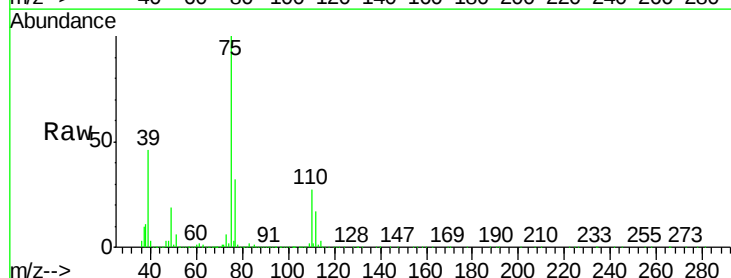
Acq: 12 Mar 2020 13:01

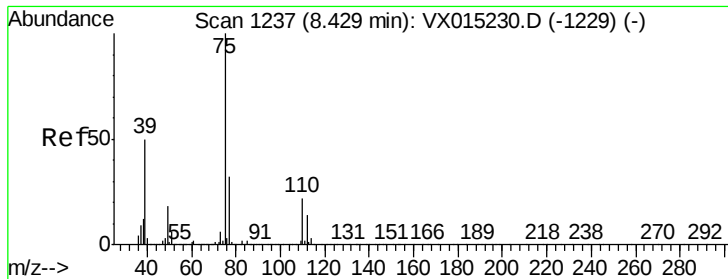
Tgt Ion: 75 Resp: 477608

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7





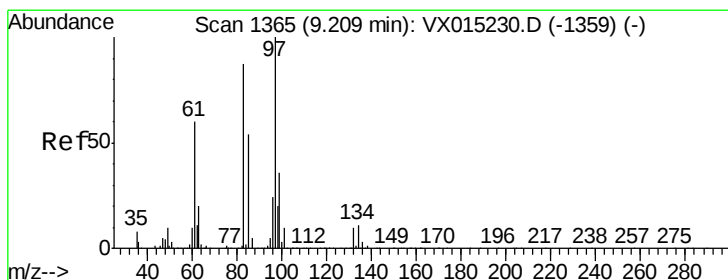
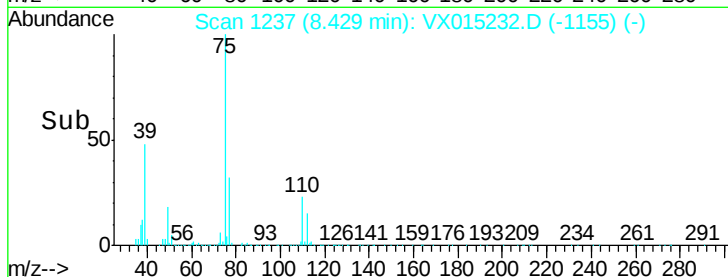
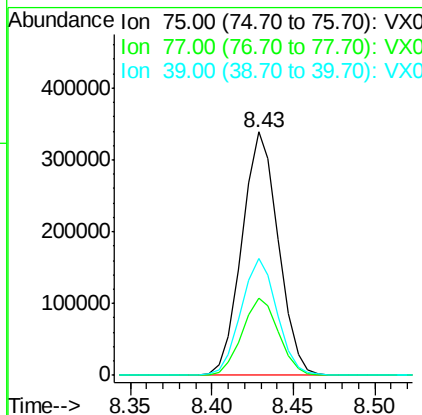
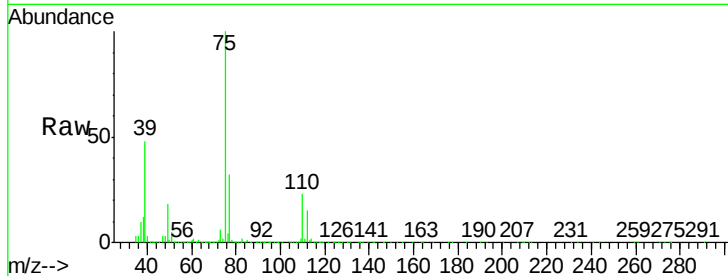
#49
 cis-1,3-Dichloropropene
 Concen: 108.244 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	48.2	39.8	59.6

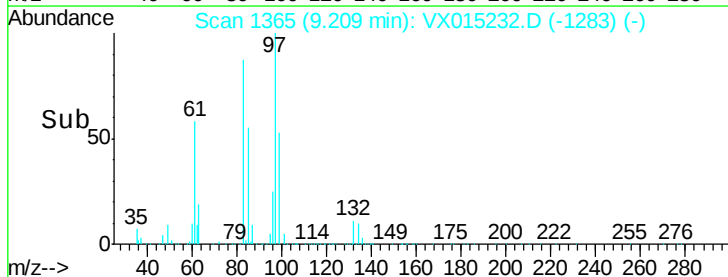
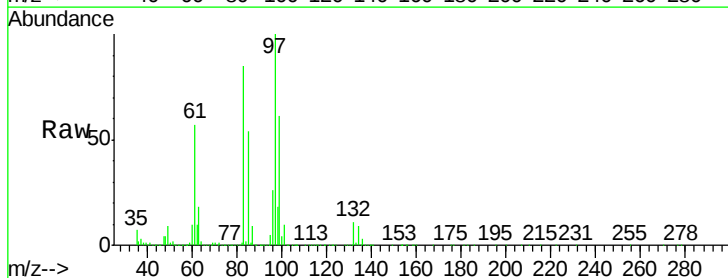
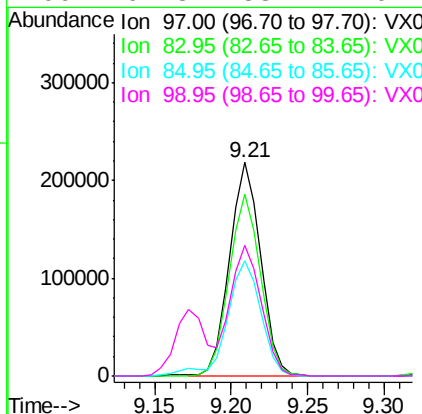
Manual Integrations
 APPROVED

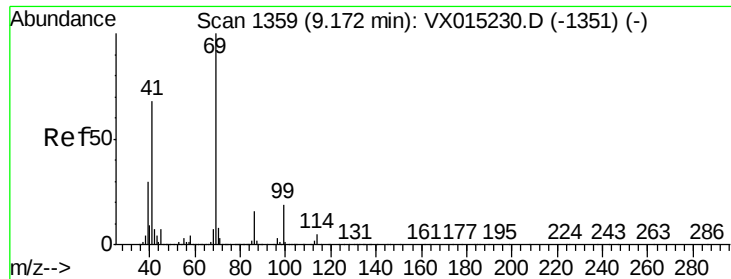
MMDadoda
 3/16/2020 11:43:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 102.418 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.7	104.5
85	54.0	45.4	68.0
99	61.3	53.1	79.7





#51

Ethyl methacrylate

Concen: 109.279 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

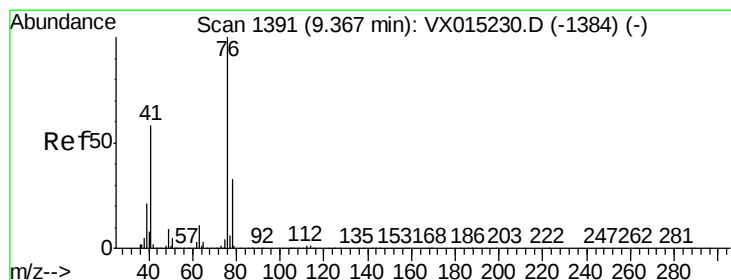
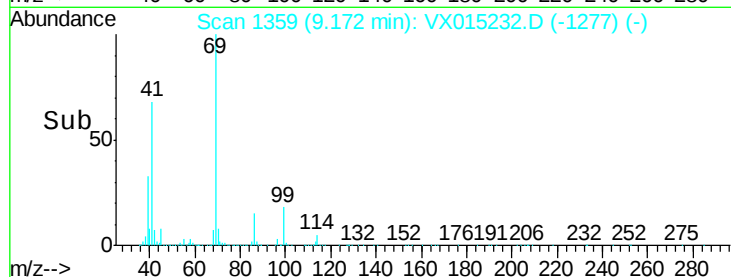
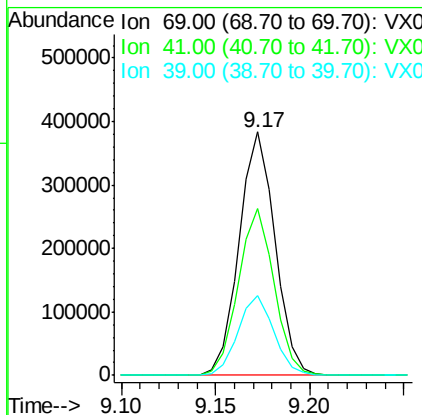
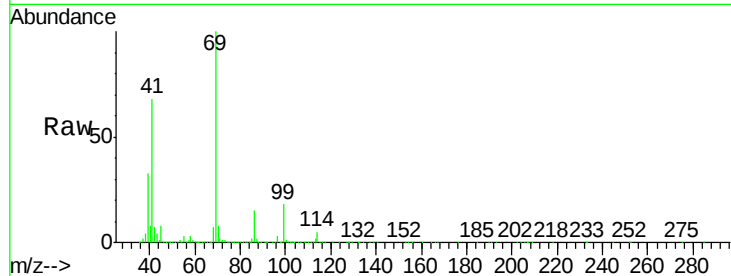
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	507143
Ion Ratio	Lower	Upper	
69	100		
41	68.3	33.8	101.3
39	32.9	15.1	45.3

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#52

1,3-Dichloropropane

Concen: 103.374 ug/l

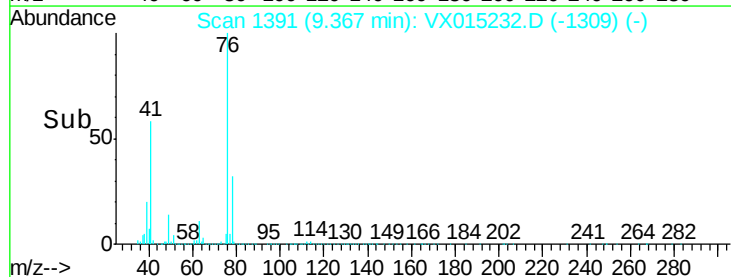
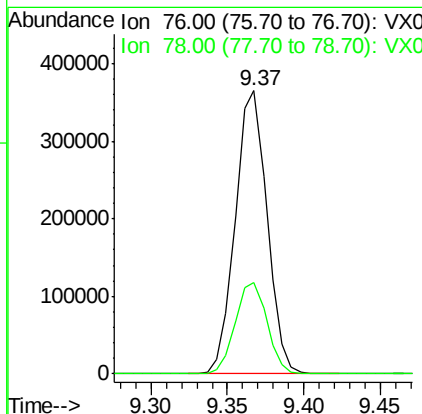
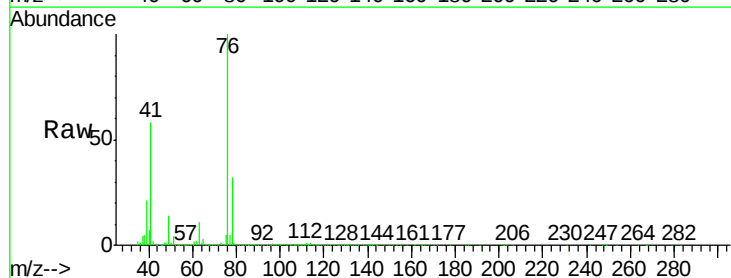
RT: 9.37 min Scan# 1391

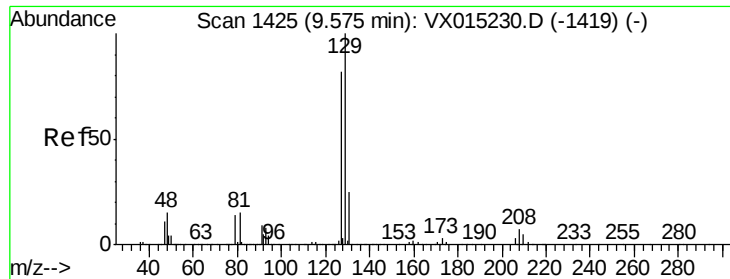
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	76	Resp:	525821
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.2





#53

Dibromochloromethane

Concen: 105.129 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 341762

Ion Ratio Lower Upper

129 100

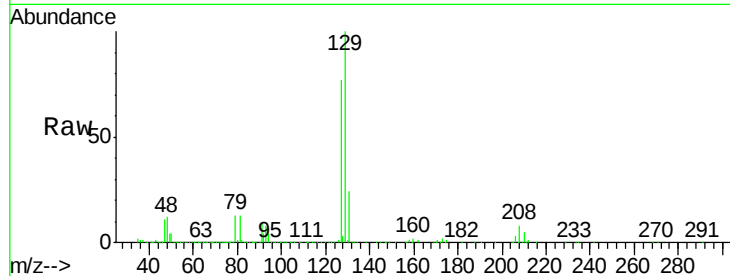
127 77.4 40.4 121.1

Manual Integrations

APPROVED

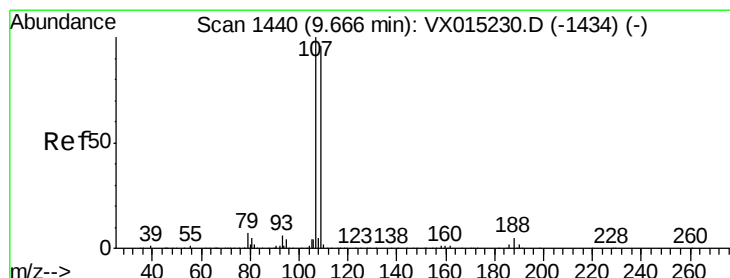
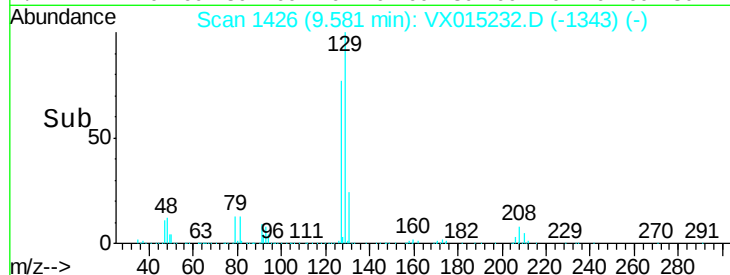
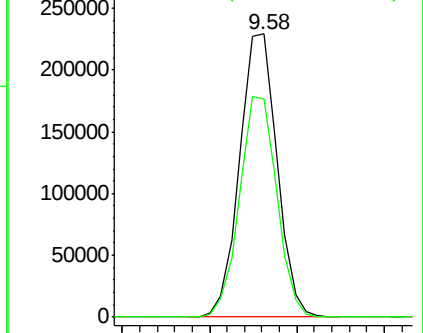
MMDadoda

3/16/2020 11:43:39 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 101.763 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015232.D

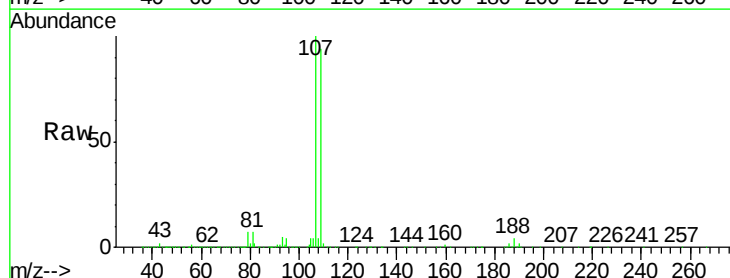
Acq: 12 Mar 2020 13:01

Tgt Ion:107 Resp: 324865

Ion Ratio Lower Upper

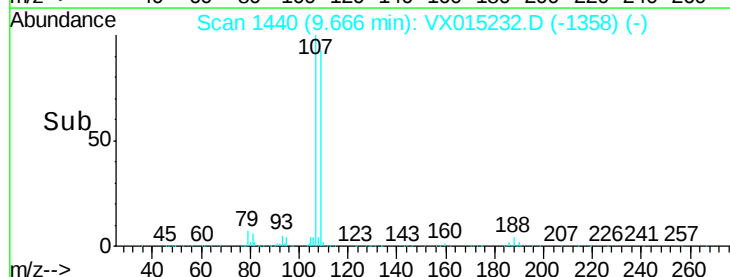
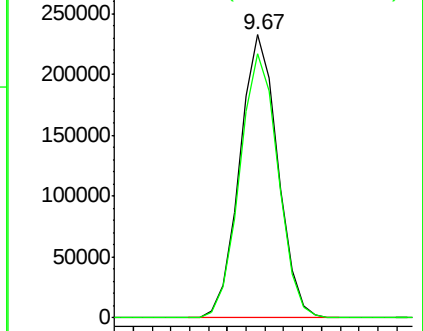
107 100

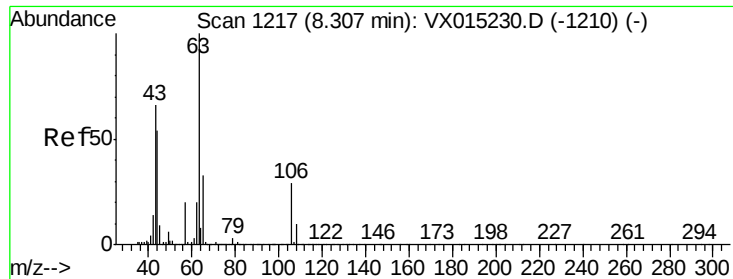
109 94.2 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





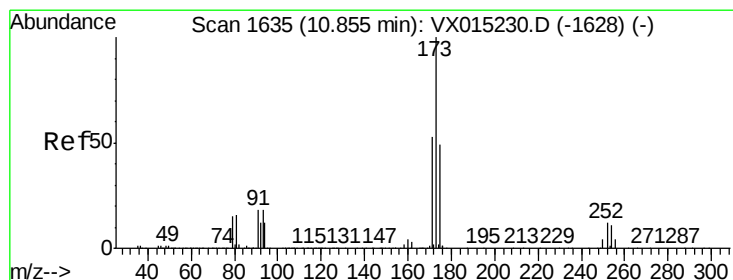
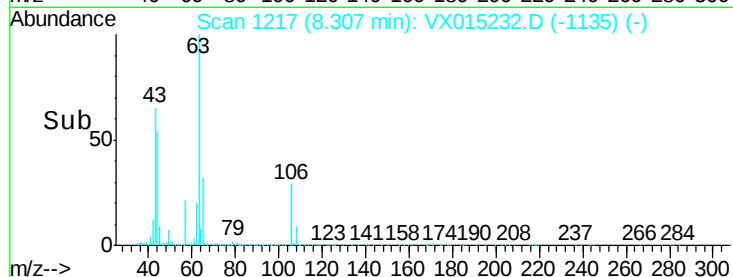
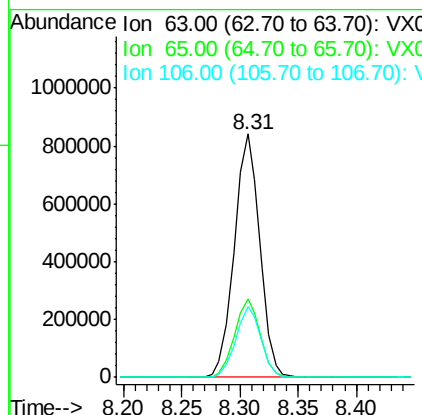
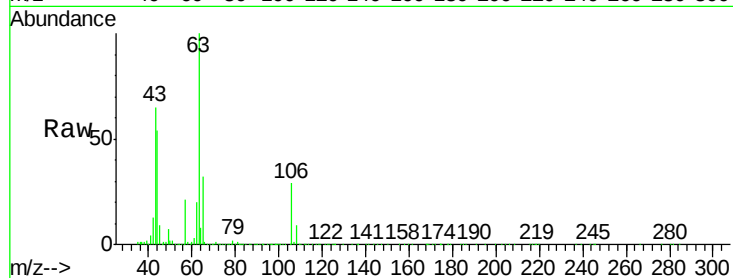
#55
2-Chloroethyl vinyl ether
Concen: 518.128 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 1280859
Ion Ratio Lower Upper
63 100
65 32.1 25.6 38.4
106 28.7 23.0 34.4

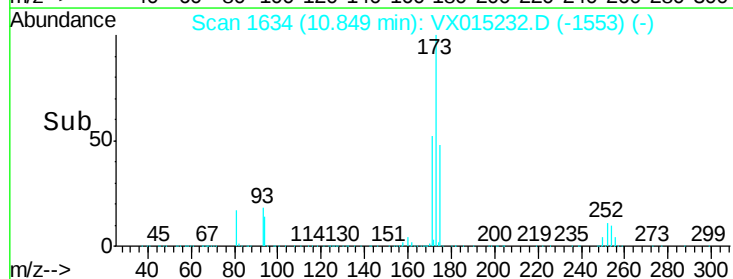
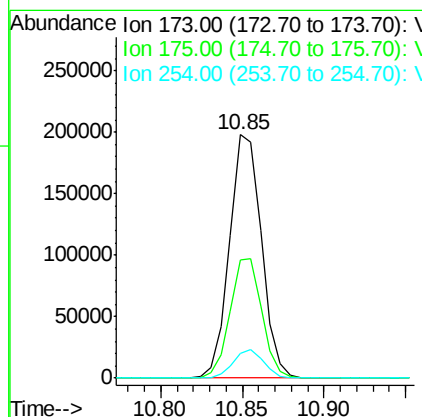
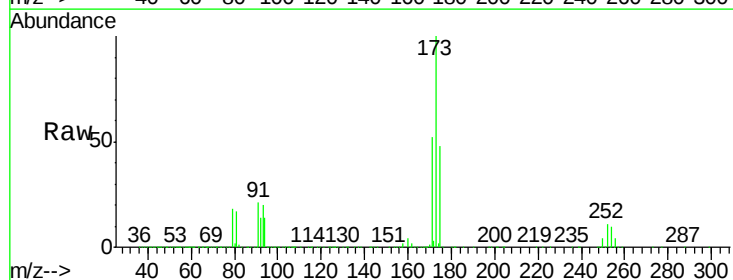
Manual Integrations
APPROVED

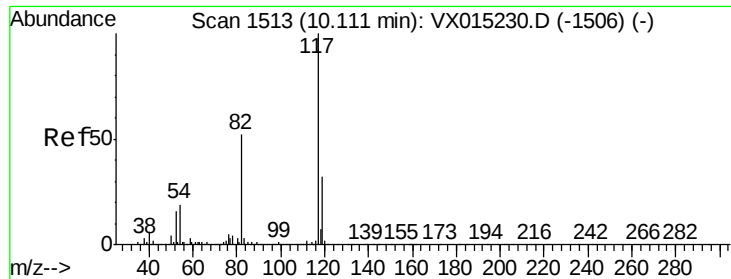
MMDadoda
3/16/2020 11:43:39 AM



#56
Bromoform
Concen: 105.635 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion: 173 Resp: 269199
Ion Ratio Lower Upper
173 100
175 48.8 38.9 58.3
254 11.3 9.1 13.7





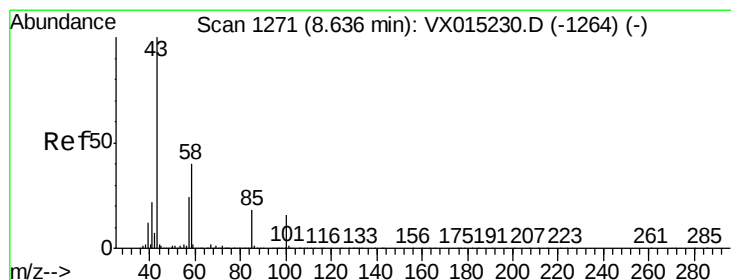
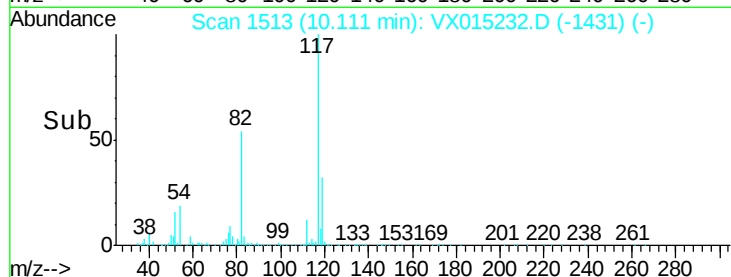
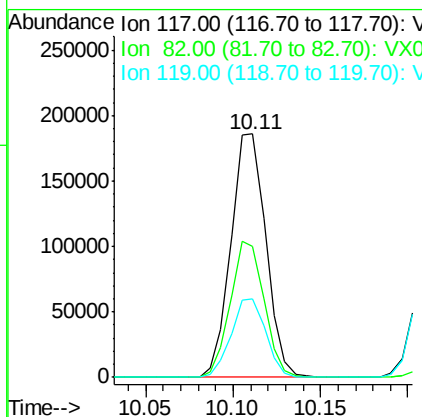
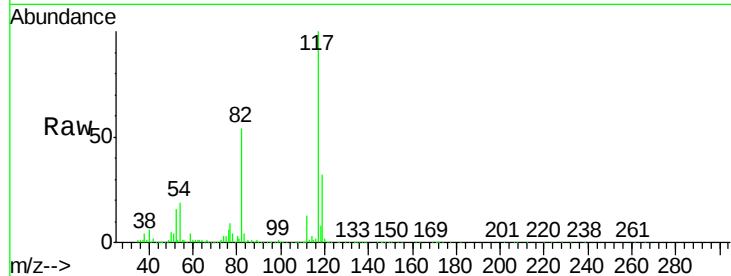
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.2	64.8
119	32.1	25.8	38.8

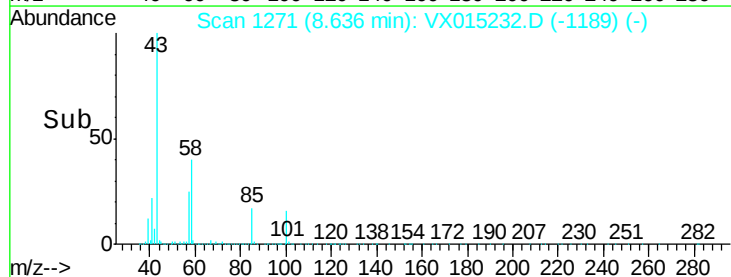
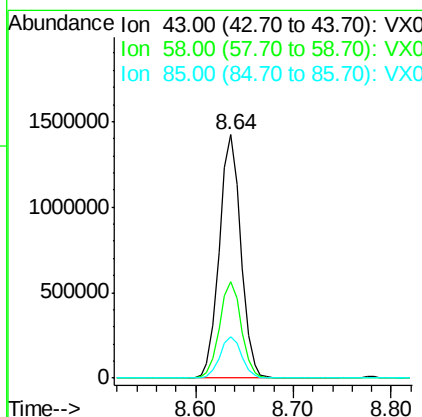
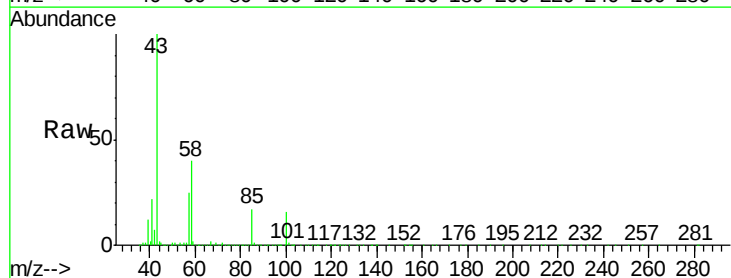
Manual Integrations
APPROVED

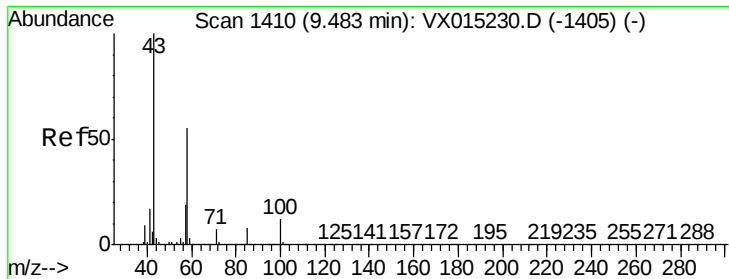
MMDadoda
3/16/2020 11:43:39 AM



#58
4-Methyl-2-Pentanone
Concen: 511.217 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4
85	17.3	13.8	20.8





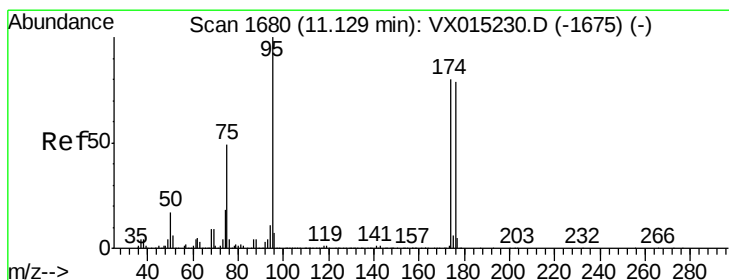
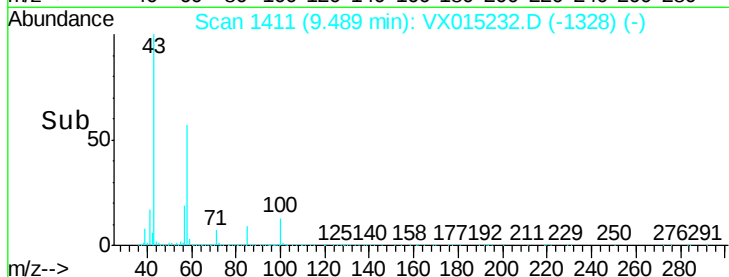
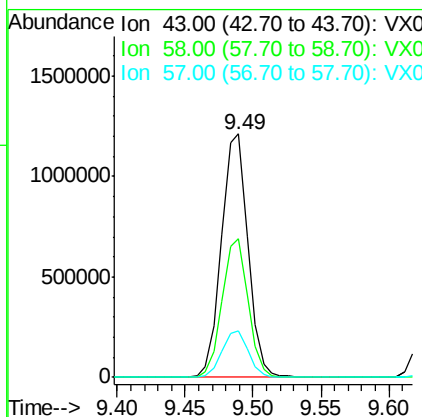
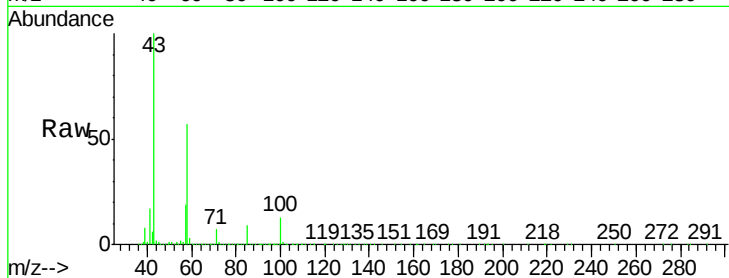
#59
2-Hexanone
Concen: 492.298 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1637300
Ion Ratio Lower Upper
43 100
58 56.0 44.6 66.8
57 19.0 14.6 21.8

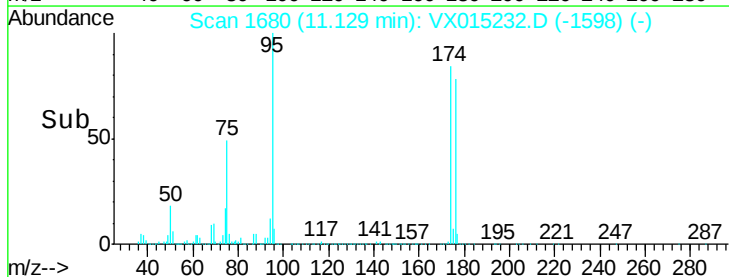
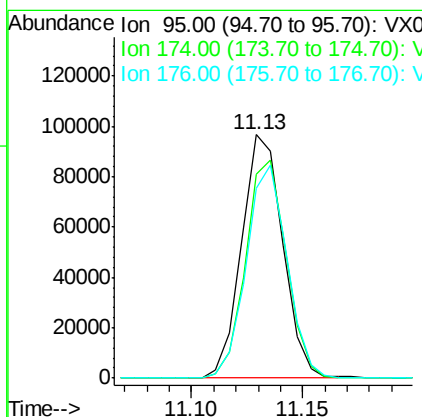
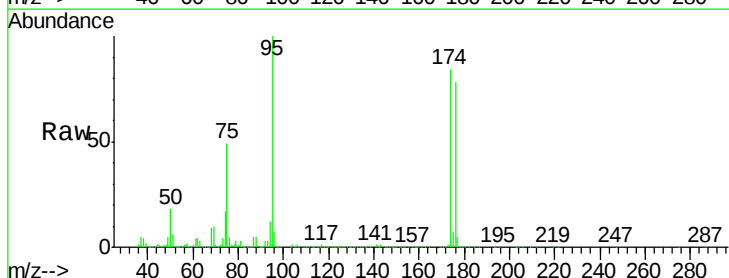
Manual Integrations
APPROVED

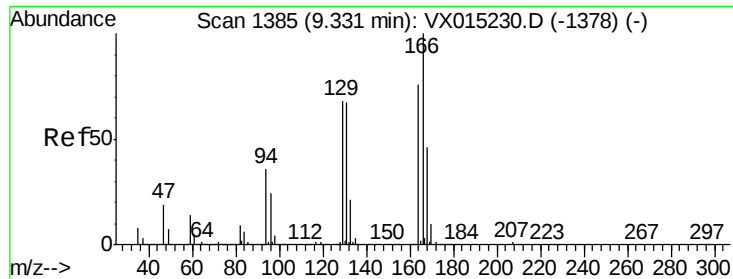
MMDadoda
3/16/2020 11:43:39 AM



#60
4-Bromofluorobenzene
Concen: 30.909 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion: 95 Resp: 125033
Ion Ratio Lower Upper
95 100
174 89.2 72.0 108.0
176 86.7 70.1 105.1





#61

Tetrachloroethene

Concen: 97.535 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

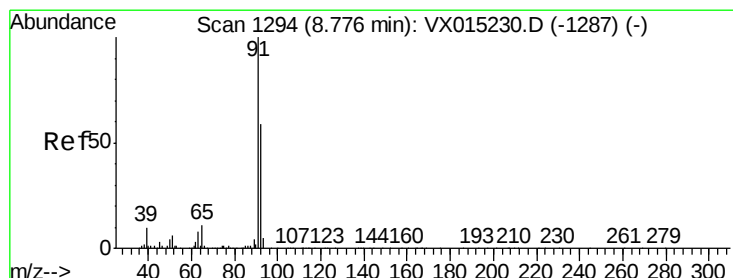
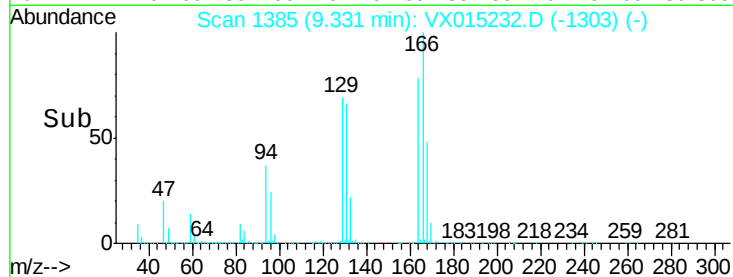
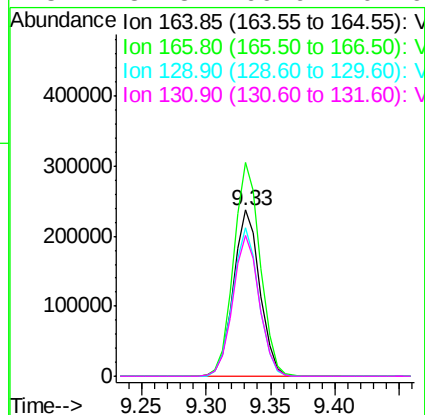
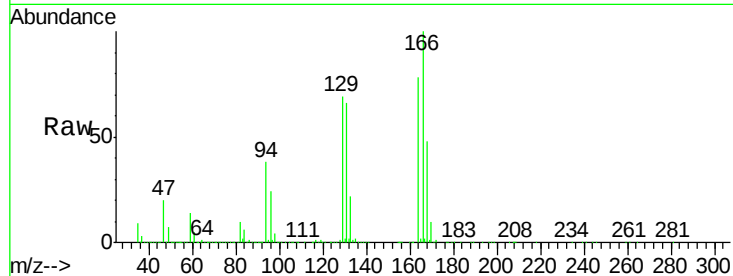
ClientSampleId :

VSTDIC100

Tot Ion:	164	Resp:	340248
Ion Ratio	Lower	Upper	
164	100		
166	128.7	105.1	157.7
129	89.2	71.5	107.3
131	84.8	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#62

Toluene

Concen: 100.251 ug/l

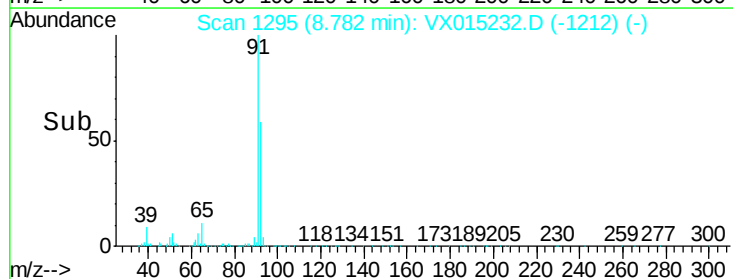
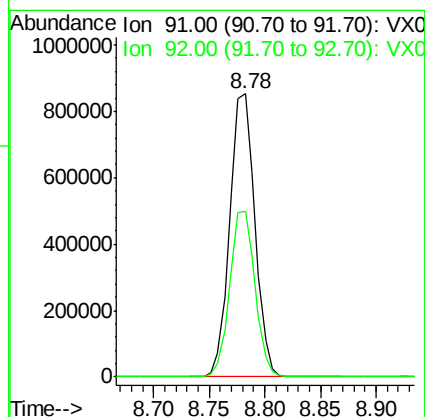
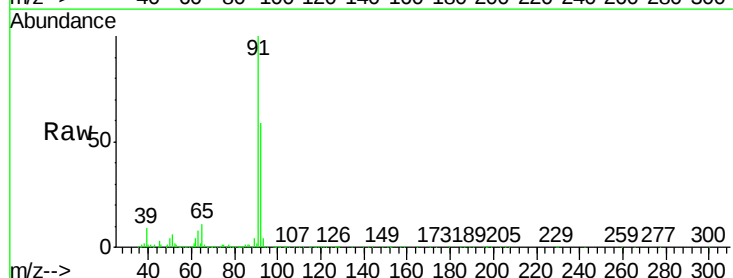
RT: 8.78 min Scan# 1295

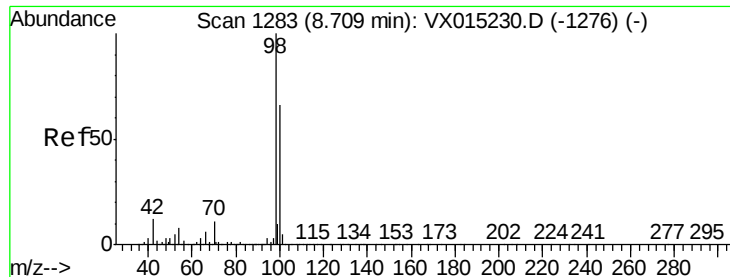
Delta R.T. 0.01 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	91	Resp:	1333680
Ion Ratio	Lower	Upper	
91	100		
92	58.6	47.1	70.7





#63

Toluene-d8

Concen: 29.469 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 333769

Ion Ratio Lower Upper

98 100

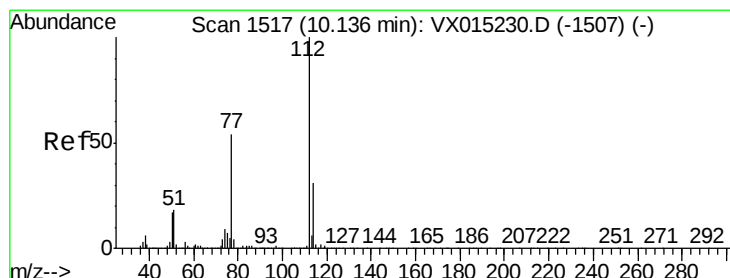
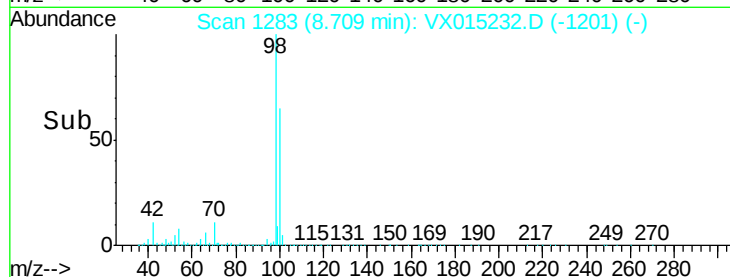
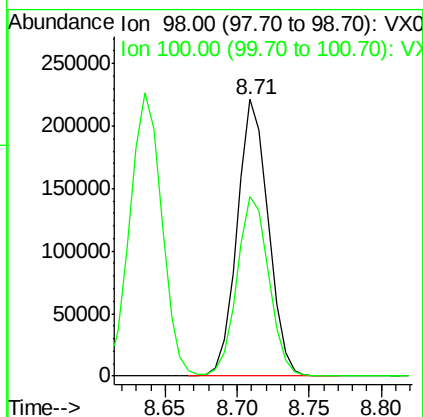
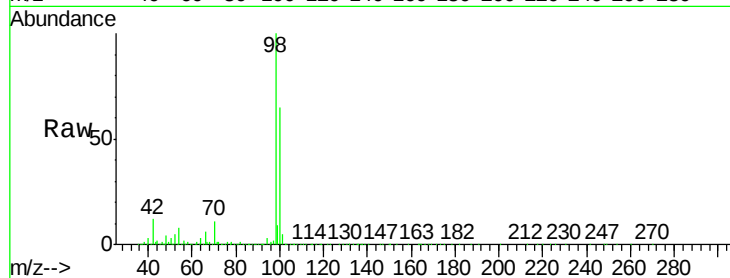
100 66.0 53.0 79.4

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#64

Chlorobenzene

Concen: 99.692 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX015232.D

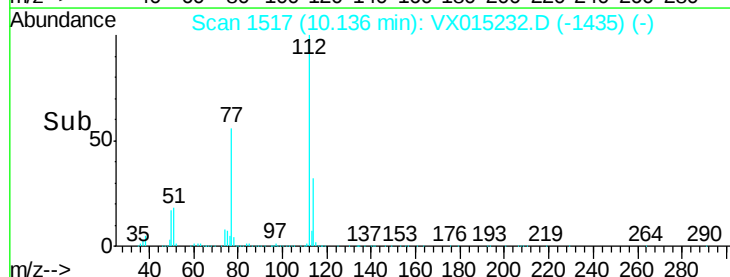
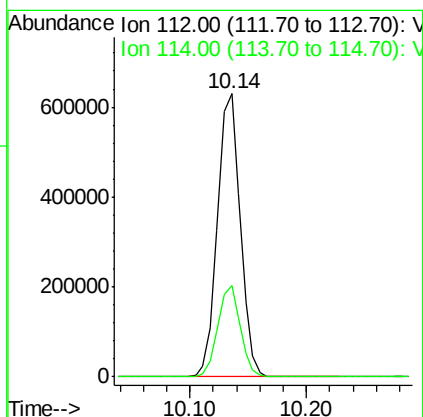
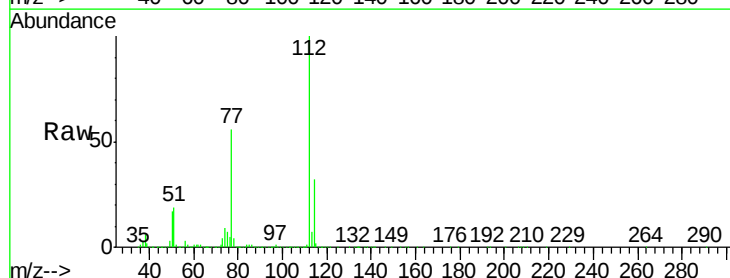
Acq: 12 Mar 2020 13:01

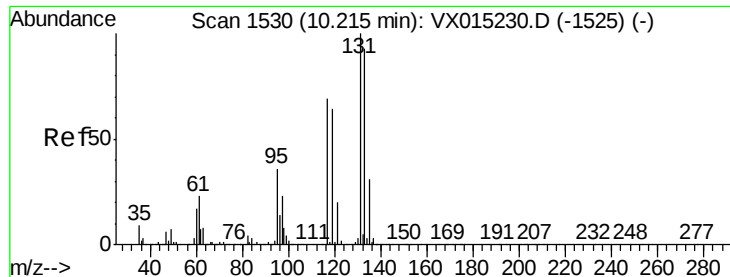
Tgt Ion: 112 Resp: 846531

Ion Ratio Lower Upper

112 100

114 32.4 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 99.847 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

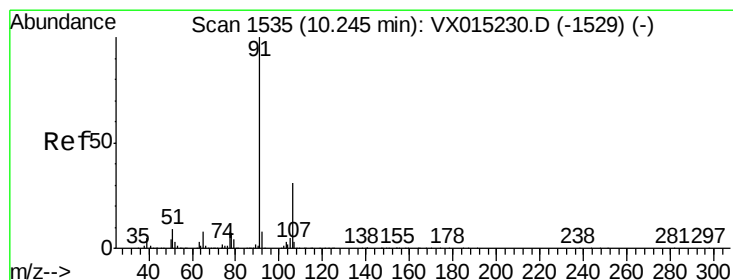
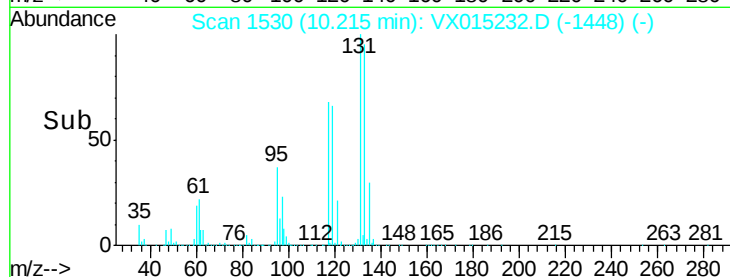
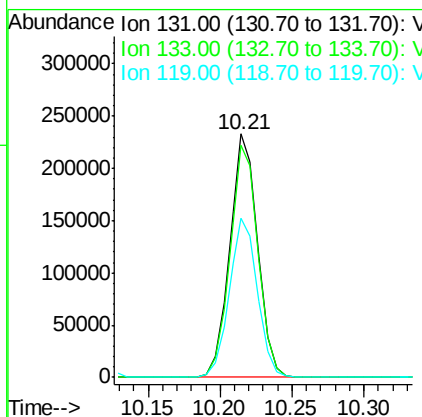
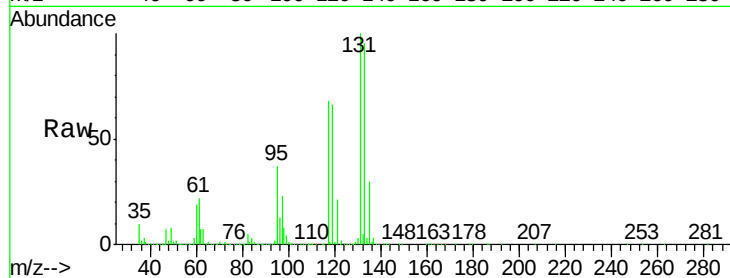
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	314050
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	188.0
119	65.9	0.0	131.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#66

Ethyl Benzene

Concen: 103.183 ug/l

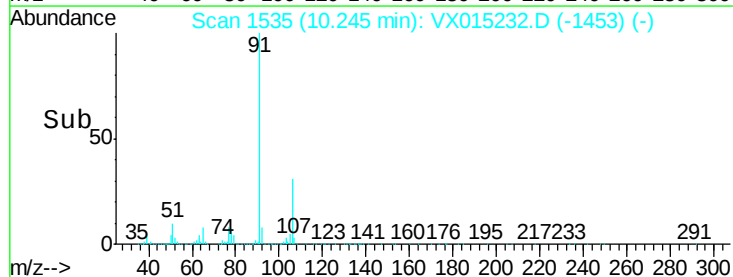
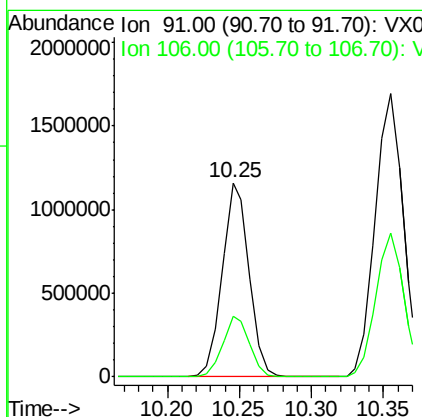
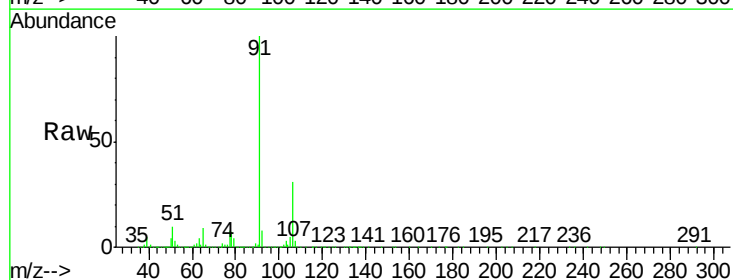
RT: 10.25 min Scan# 1535

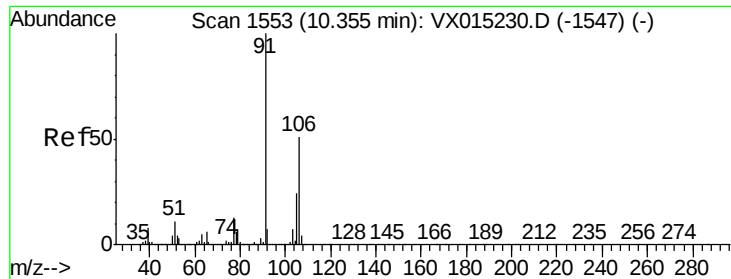
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	91	Resp:	1512118
Ion Ratio	Lower	Upper	
91	100		
106	30.9	24.9	37.3





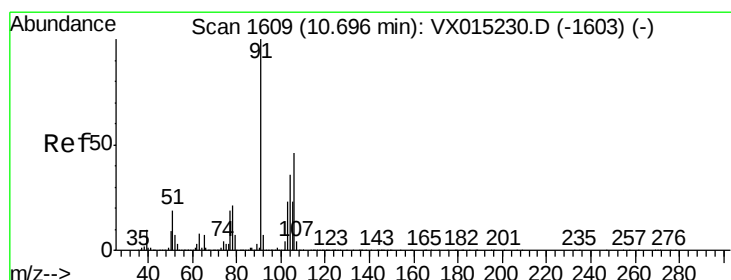
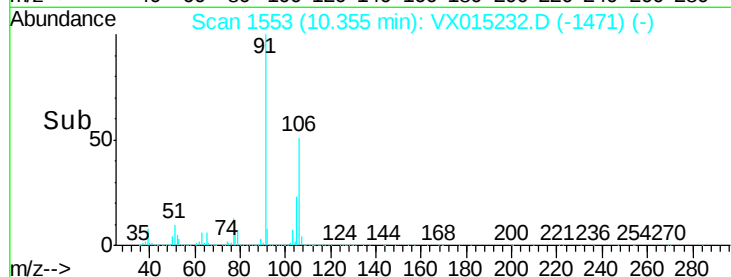
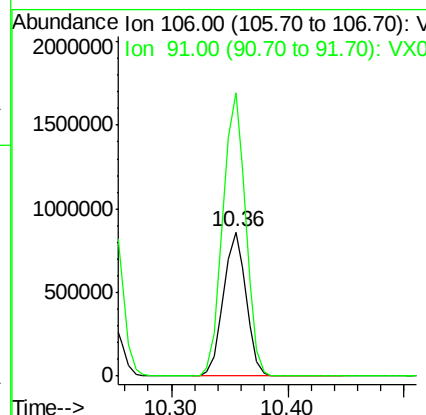
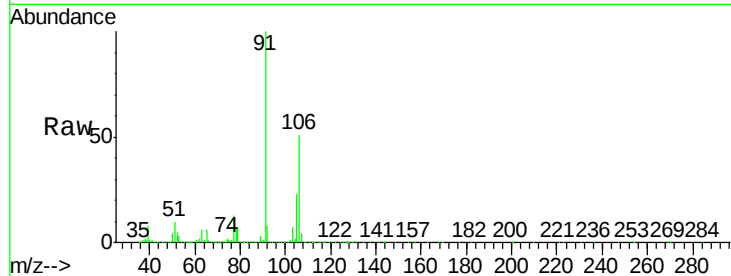
#67
m/p-Xvlenes
Concen: 203.702 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1151114
Ion Ratio Lower Upper
106 100
91 197.9 160.1 240.1

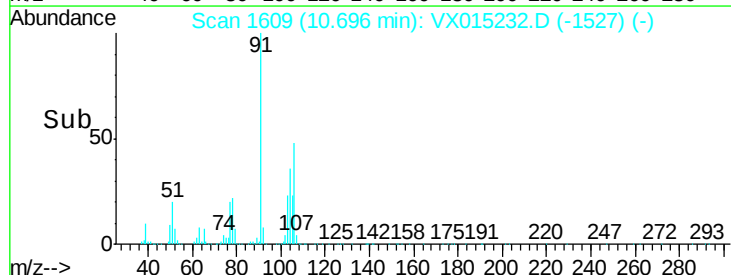
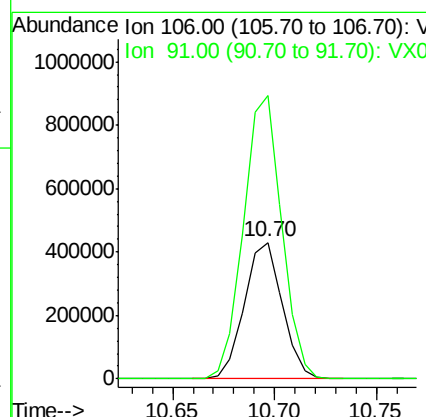
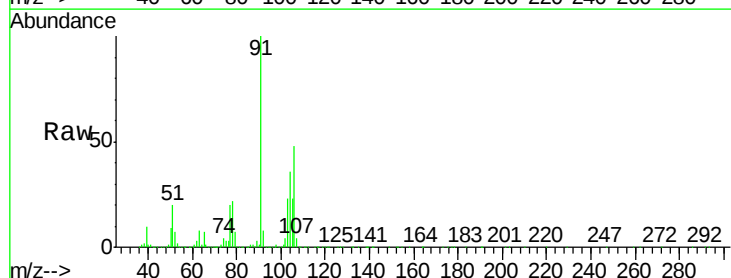
Manual Integrations
APPROVED

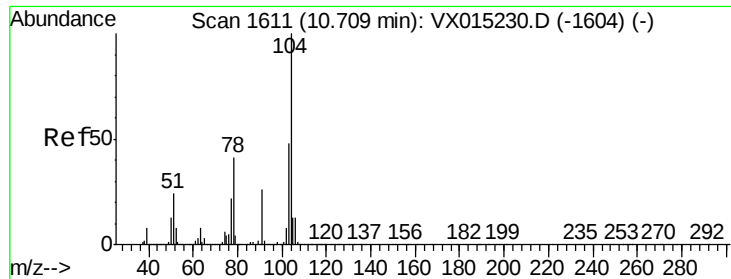
MMDadoda
3/16/2020 11:43:39 AM



#68
o-Xylene
Concen: 101.409 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion:106 Resp: 554484
Ion Ratio Lower Upper
106 100
91 208.7 106.4 319.2





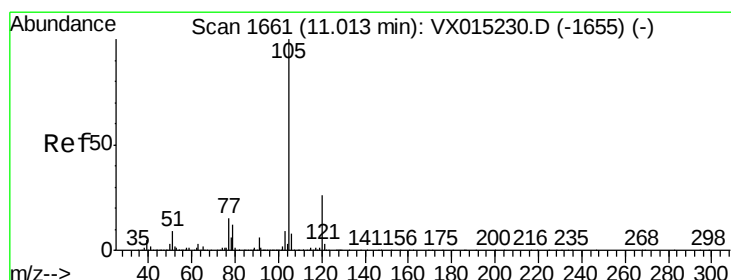
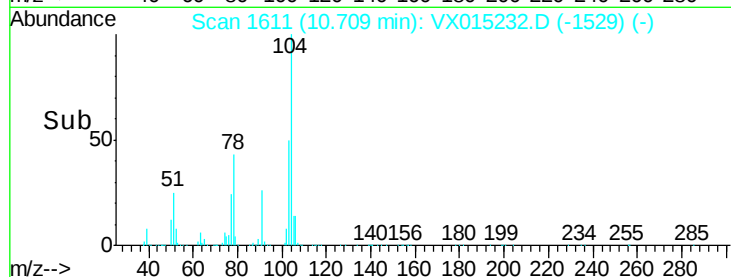
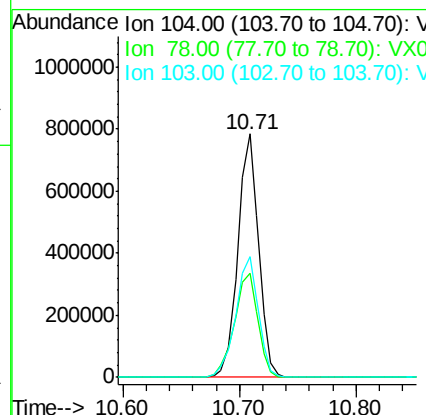
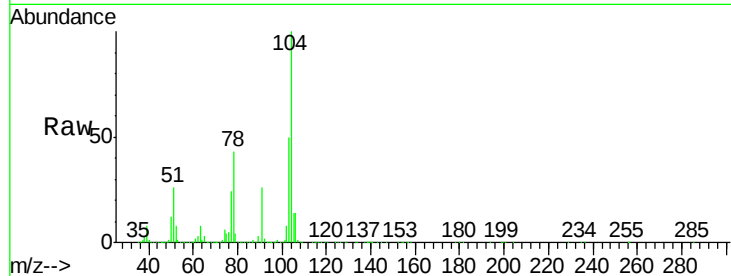
#69
Stvrene
Concen: 104.200 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.9	58.3
103	54.4	43.2	64.8

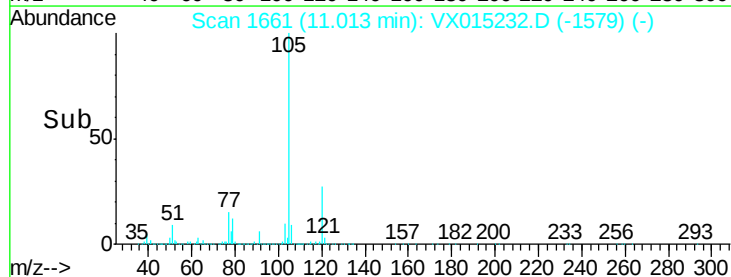
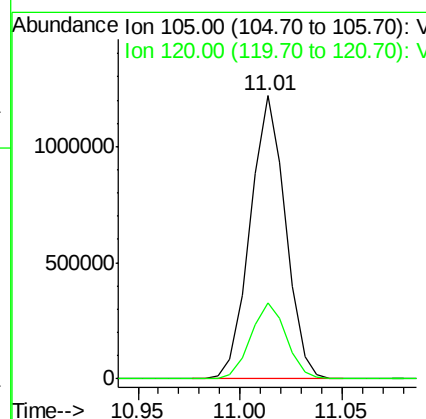
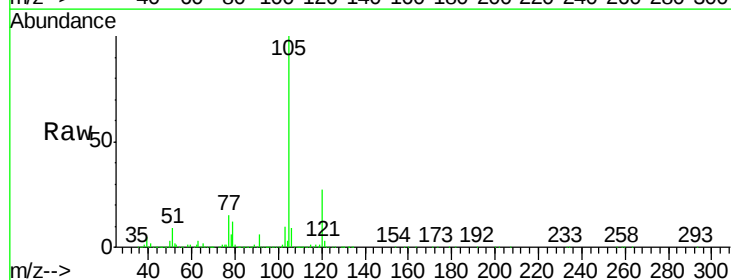
Manual Integrations
APPROVED

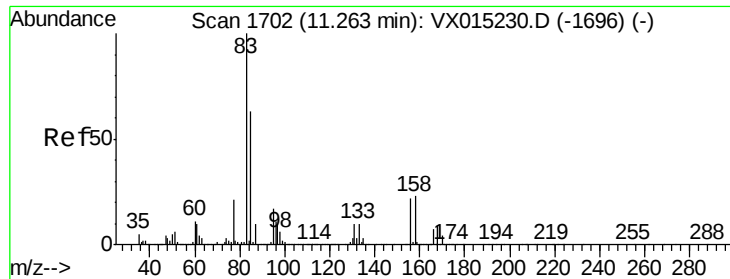
MMDadoda
3/16/2020 11:43:39 AM



#70
Isopropylbenzene
Concen: 100.875 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 98.702 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 461563

Ion Ratio Lower Upper

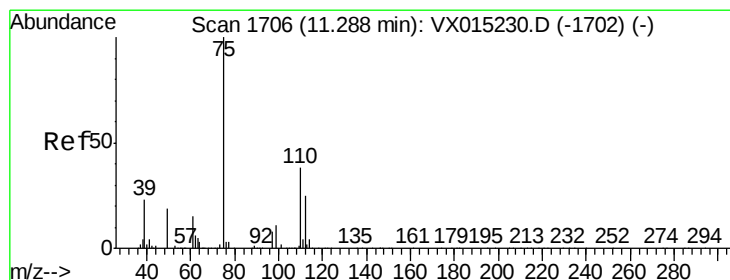
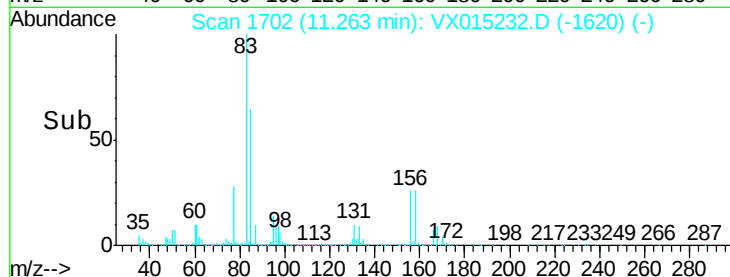
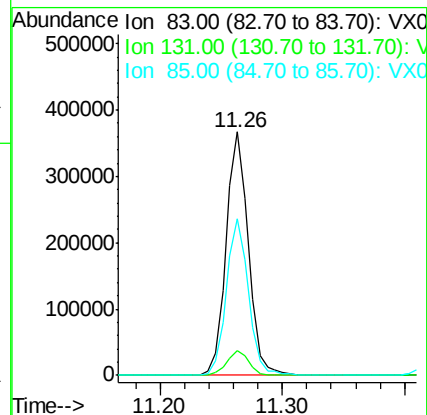
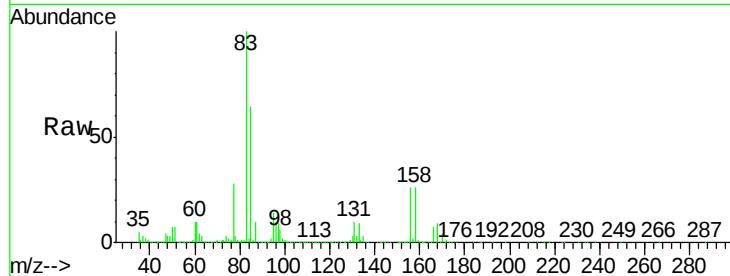
83 100

131 10.2 5.0 14.9

85 64.2 31.8 95.4

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#72

1,2,3-Trichloropropane

Concen: 98.011 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX015232.D

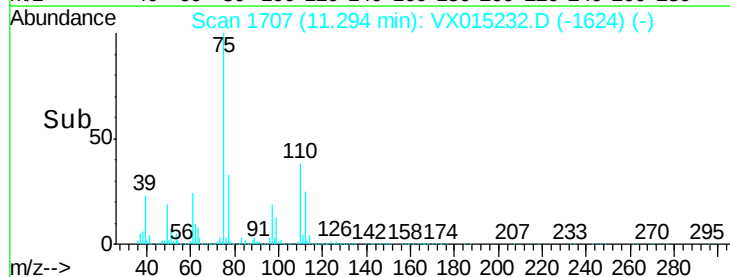
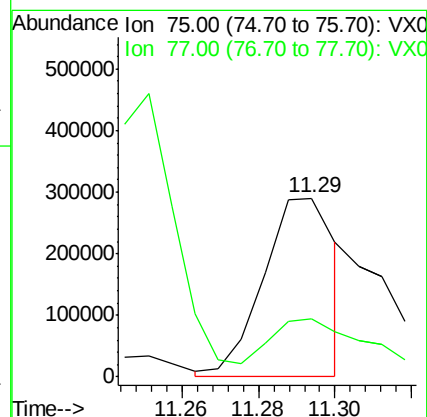
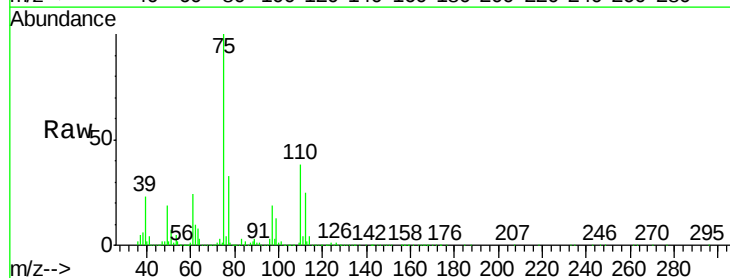
Acq: 12 Mar 2020 13:01

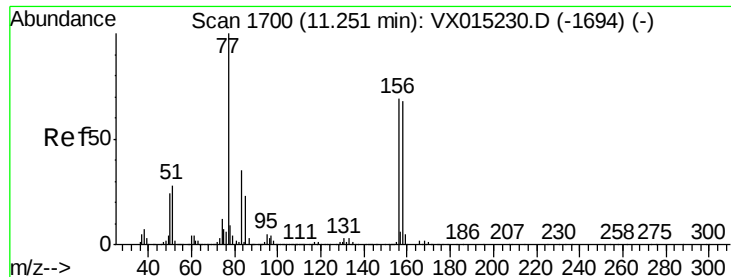
Tgt Ion: 75 Resp: 380177

Ion Ratio Lower Upper

75 100

77 44.7 0.0 83.0





#73

Bromobenzene

Concen: 100.367 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

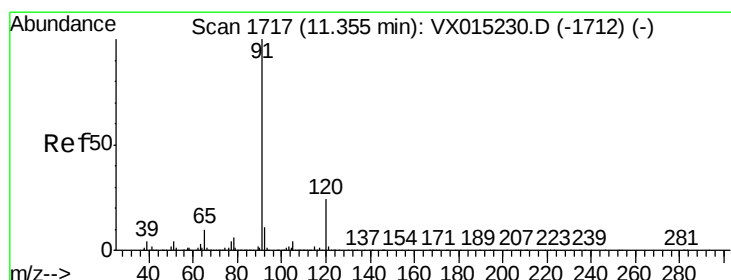
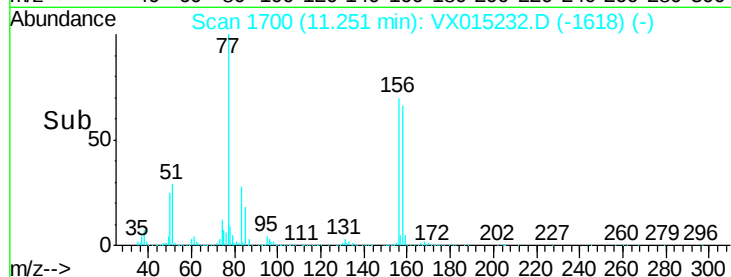
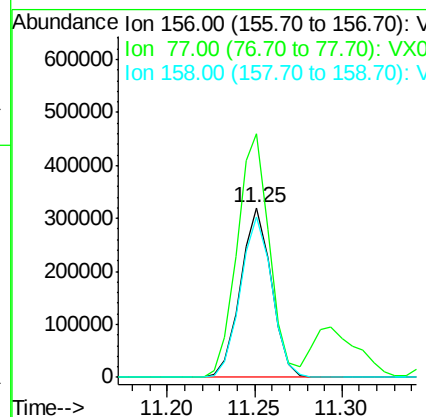
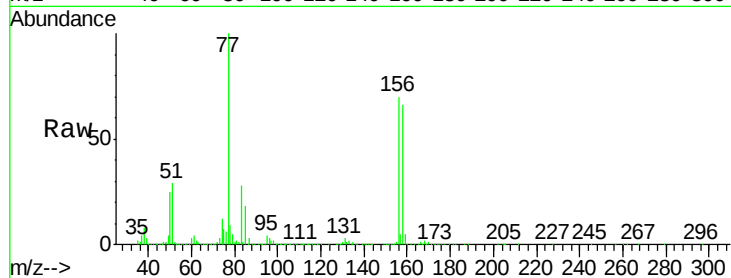
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	393886		
77	150.1	0.0	305.0	
158	96.4	0.0	197.2	

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#74

n-propylbenzene

Concen: 104.173 ug/l

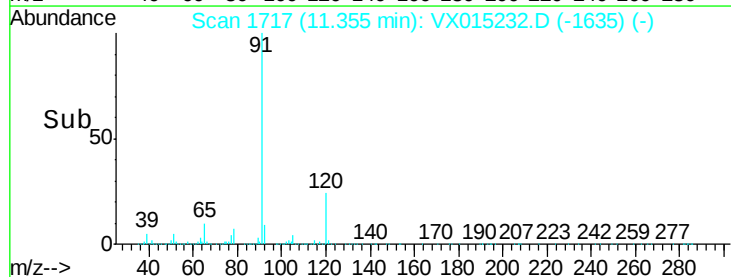
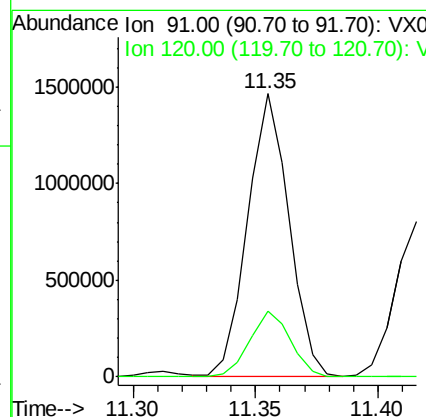
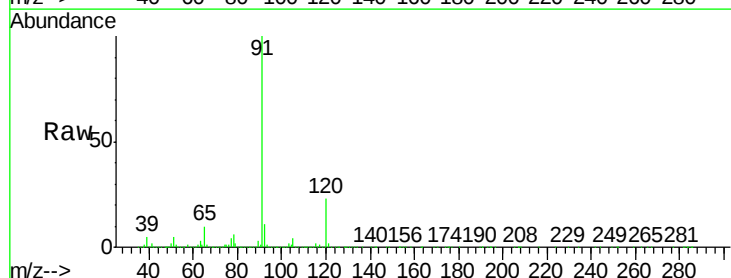
RT: 11.35 min Scan# 1717

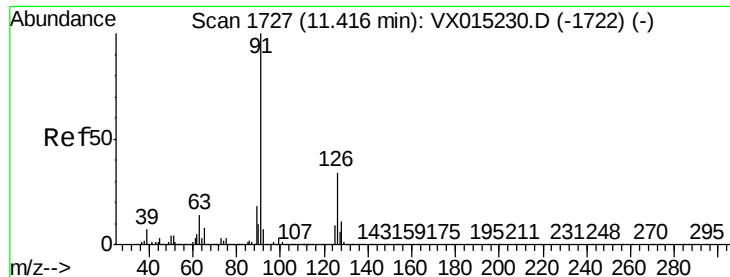
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1722019		
120	23.1	0.0	47.0	





#75

2-Chlorotoluene

Concen: 101.842 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 994857

Ion Ratio Lower Upper

91 100

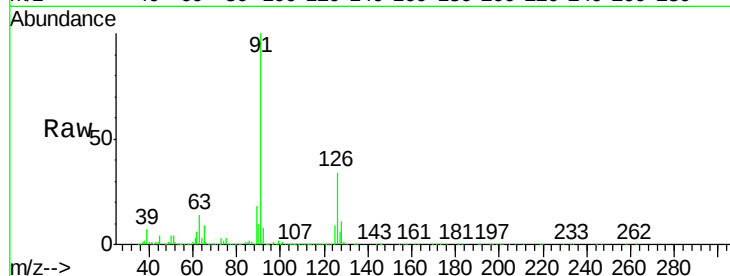
126 34.4 0.0 69.8

Manual Integrations

APPROVED

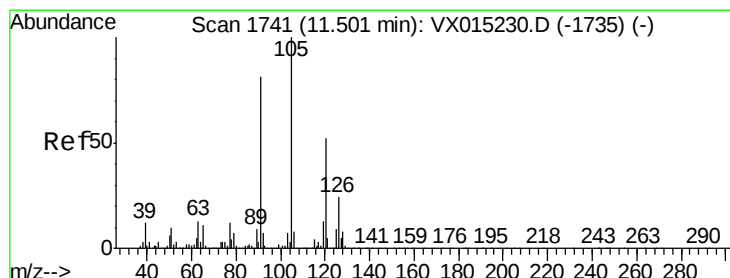
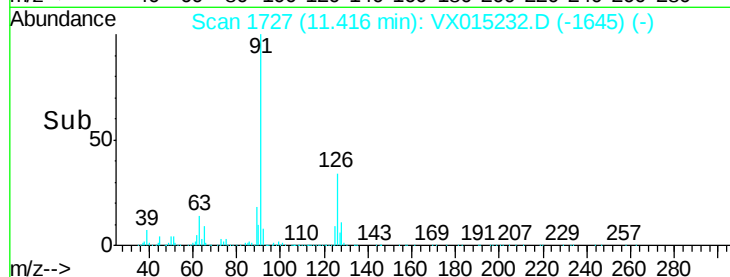
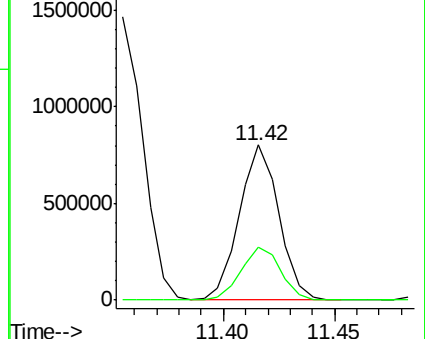
MMDadoda

3/16/2020 11:43:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VX015230.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX015230.D (-1722) (-)



#76

1,3,5-Trimethylbenzene

Concen: 102.267 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015232.D

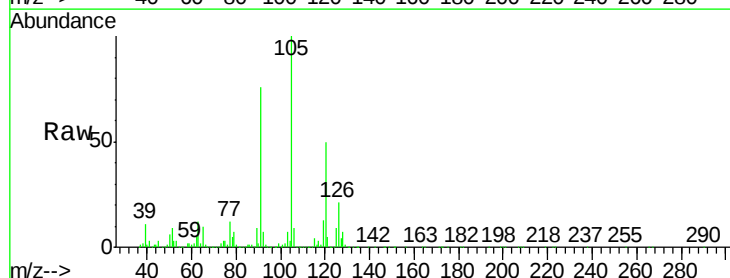
Acq: 12 Mar 2020 13:01

Tgt Ion:105 Resp: 1244804

Ion Ratio Lower Upper

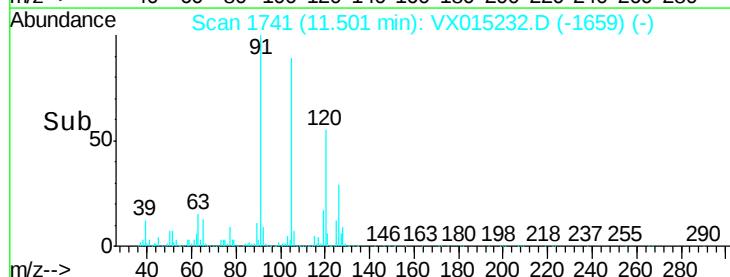
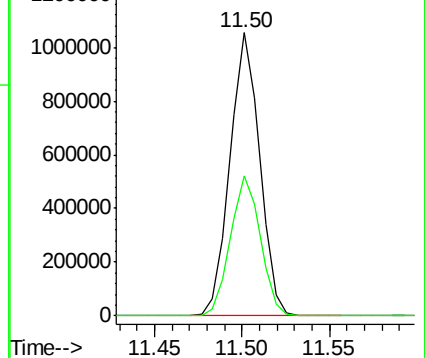
105 100

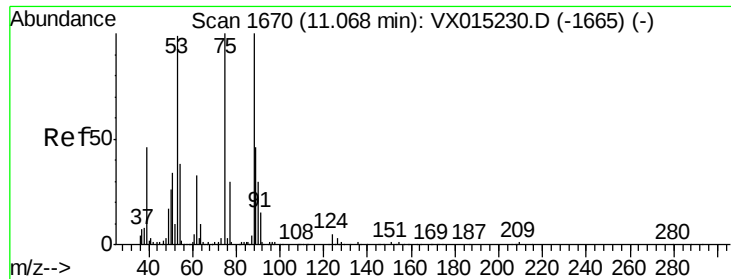
120 50.0 0.0 101.2



Abundance Ion 105.00 (104.70 to 105.70): VX015230.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX015230.D (-1735) (-)





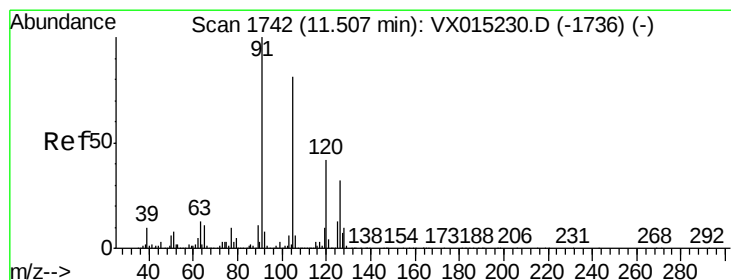
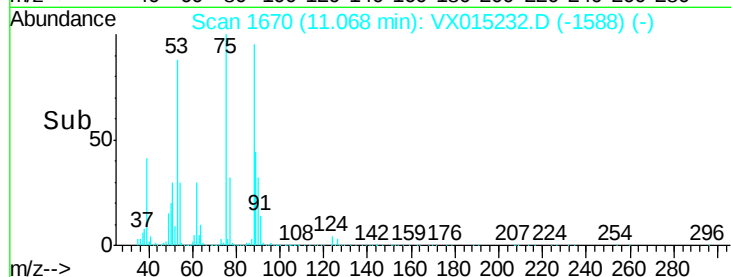
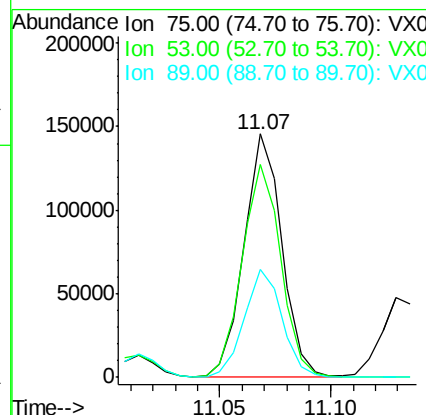
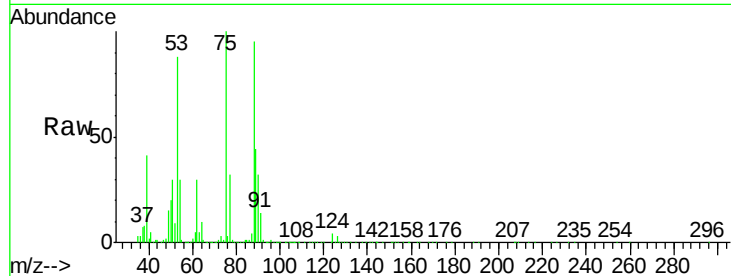
#77
t-1,4-Dichloro-2-butene
Concen: 110.442 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	49.5	148.3
89	44.0	22.9	68.8

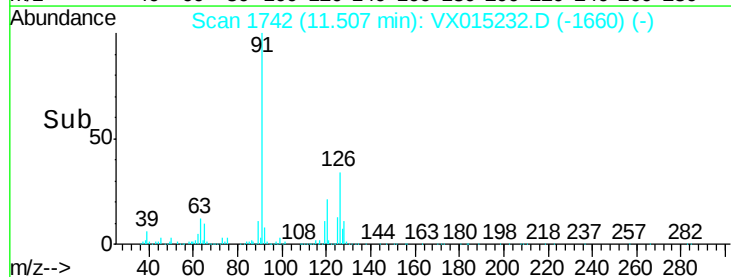
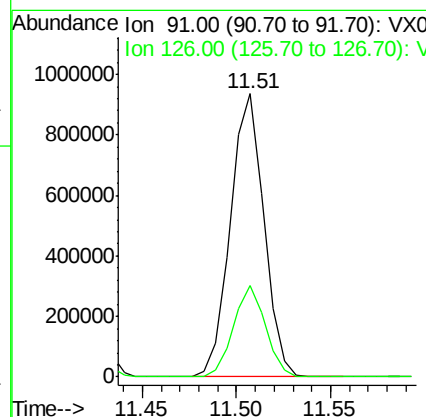
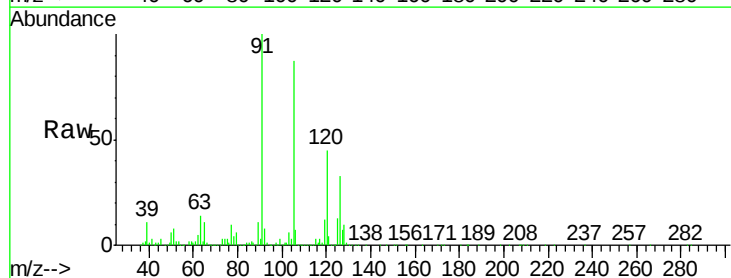
Manual Integrations
APPROVED

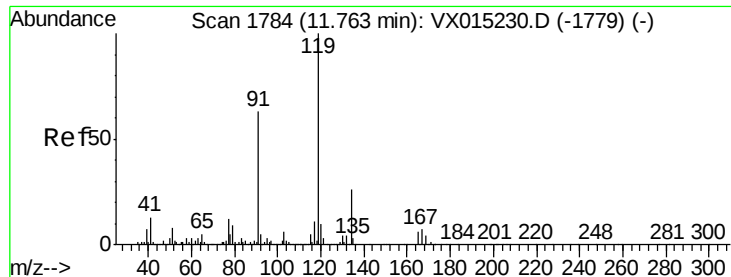
MMDadoda
3/16/2020 11:43:39 AM



#78
4-Chlorotoluene
Concen: 102.214 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	61.4





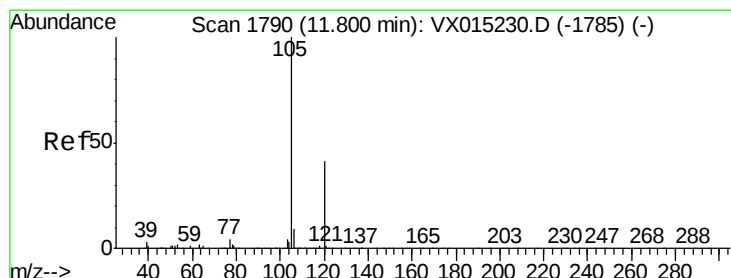
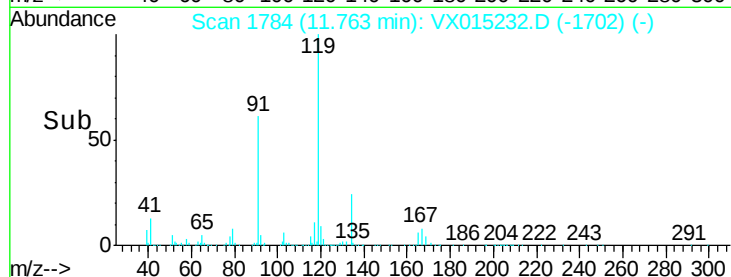
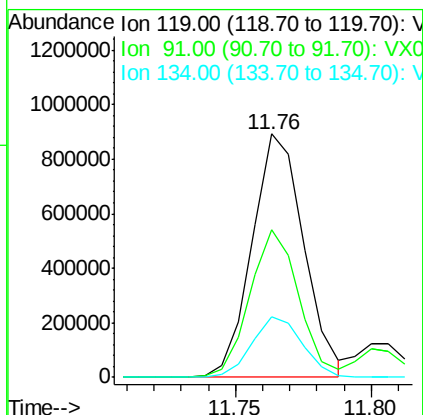
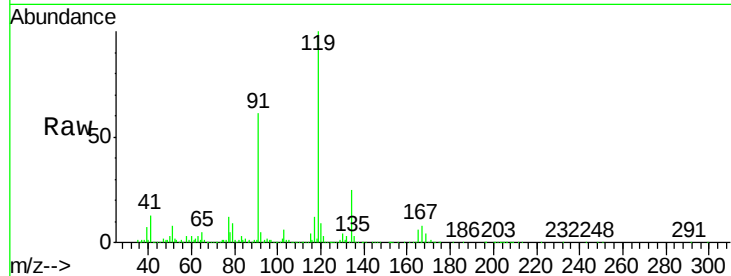
#79
tert-butylbenzene
Concen: 100.081 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	0.0	115.4
134	24.4	0.0	49.4

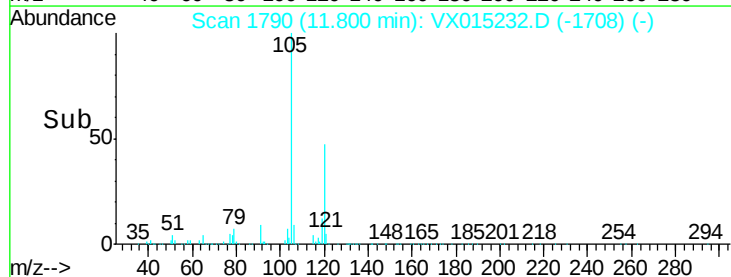
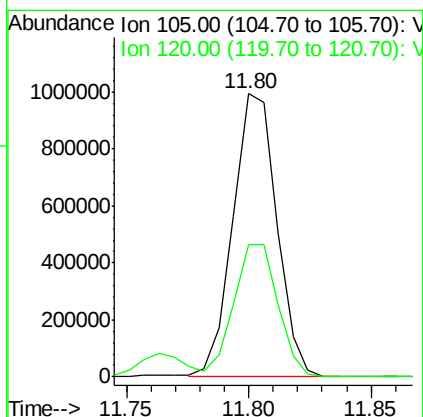
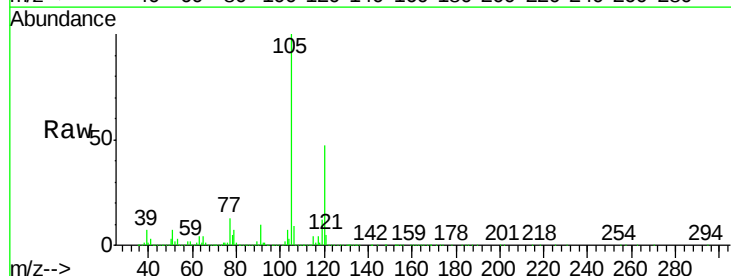
Manual Integrations
APPROVED

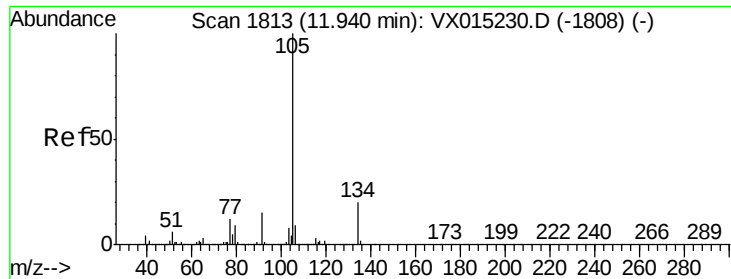
MMDadoda
3/16/2020 11:43:39 AM



#80
1,2,4-Trimethylbenzene
Concen: 102.271 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	93.2





#81

sec-Butylbenzene

Concen: 103.412 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1456350

Ion Ratio Lower Upper

105 100

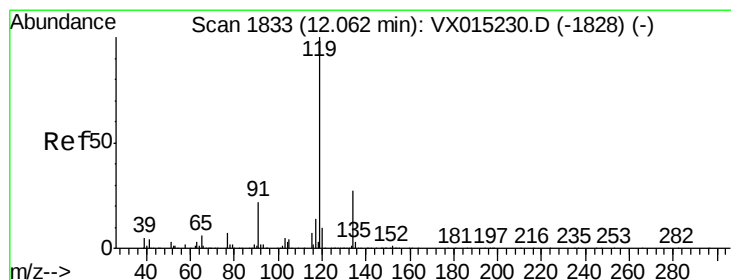
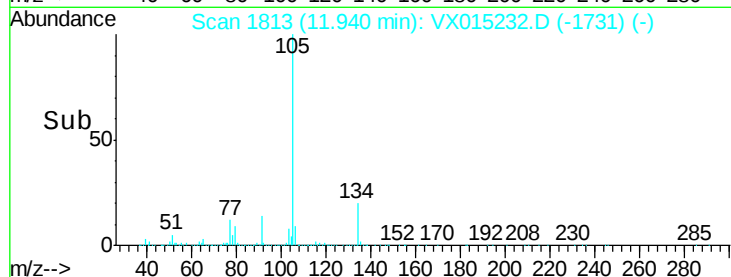
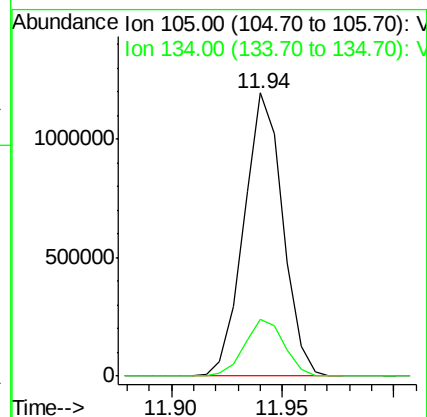
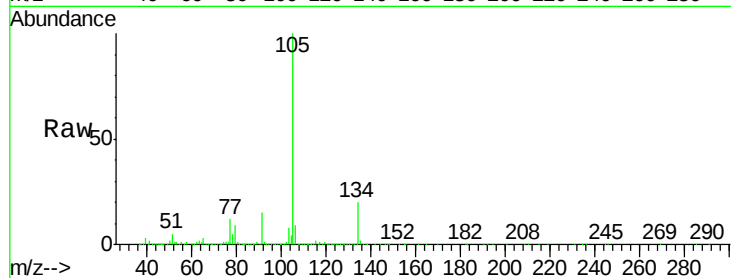
134 20.6 0.0 40.8

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:39 AM



#82

p-Isopropyltoluene

Concen: 103.780 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

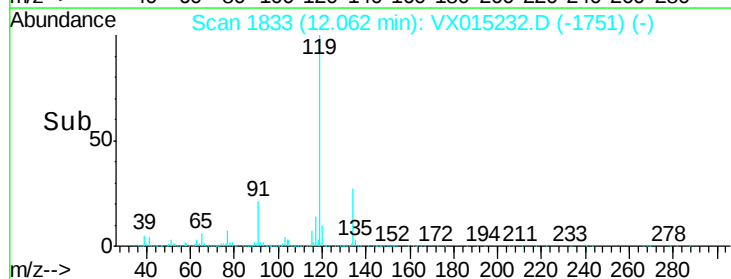
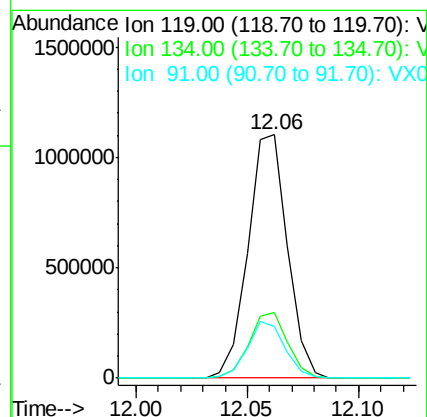
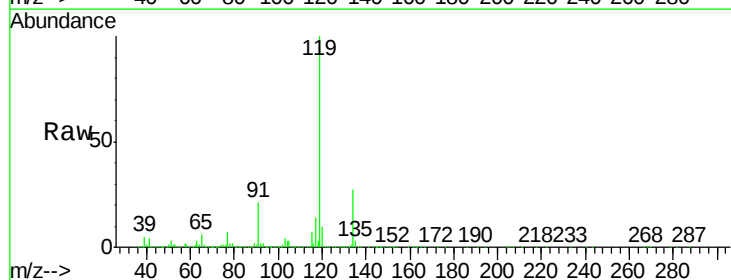
Tgt Ion:119 Resp: 1357804

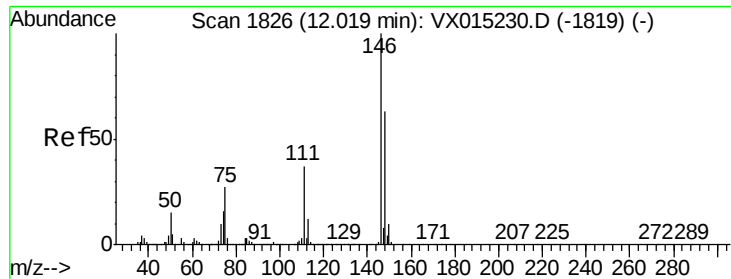
Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.6

91 22.2 0.0 43.6





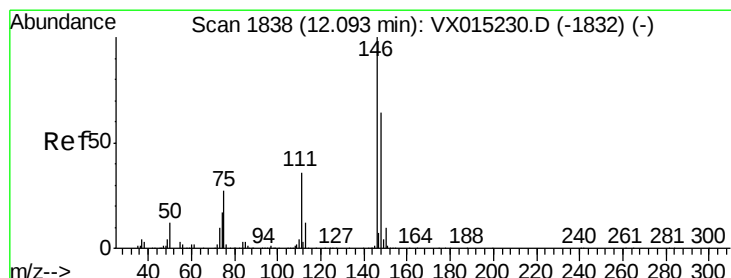
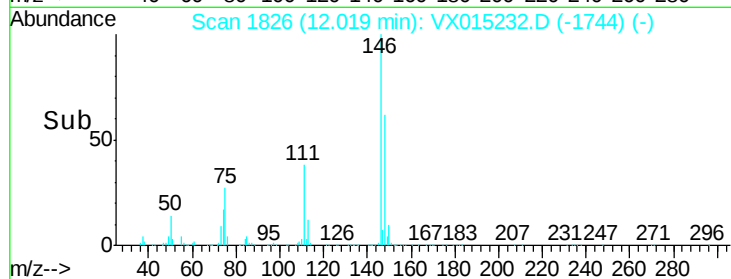
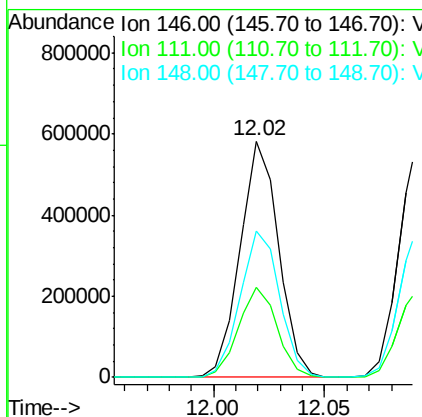
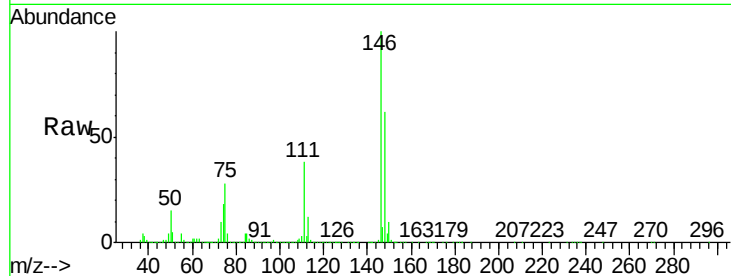
#83
 1,3-Dichlorobenzene
 Concen: 102.378 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.4
148	63.7	31.9	95.7

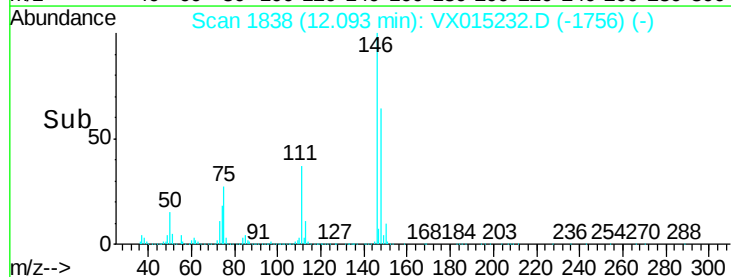
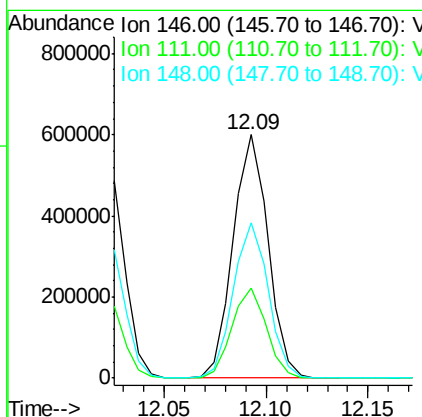
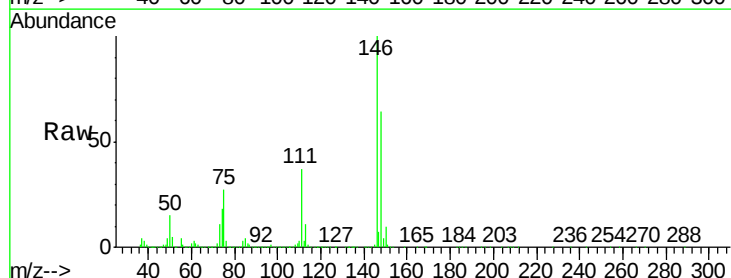
Manual Integrations
 APPROVED

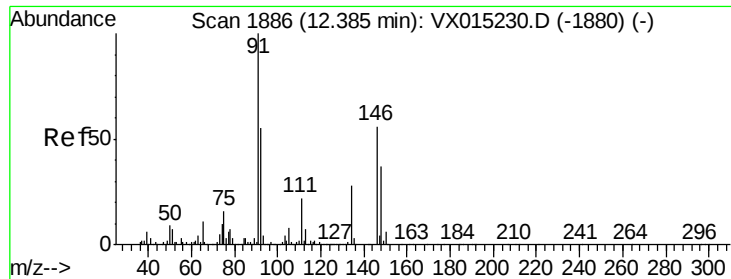
MMDadoda
 3/16/2020 11:43:39 AM



#84
 1,4-Dichlorobenzene
 Concen: 102.651 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	63.9	31.9	95.9





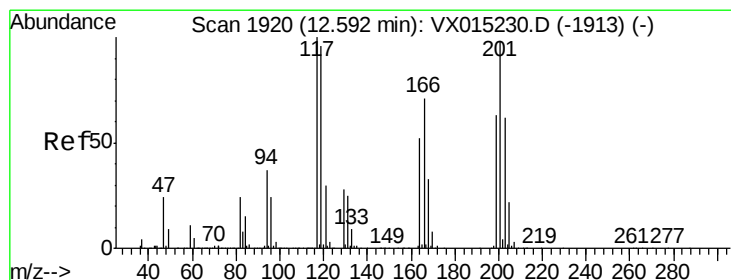
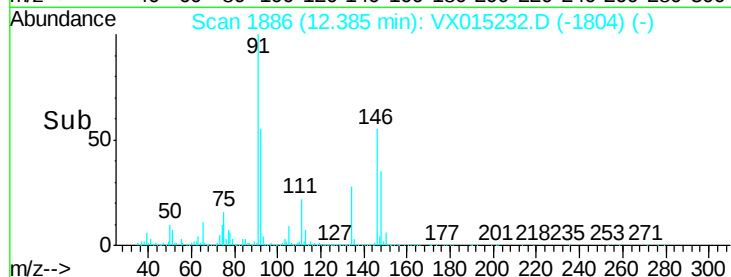
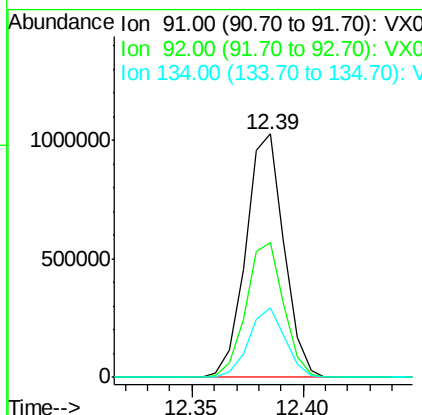
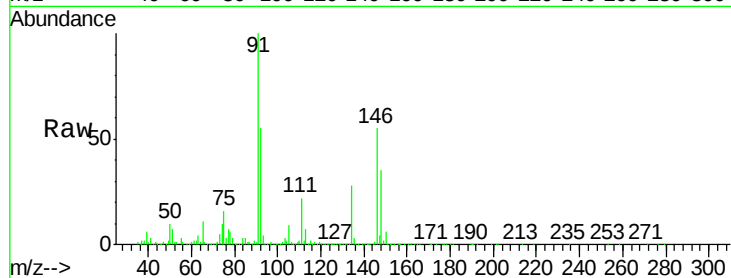
#85
n-Butylbenzene
Concen: 107.623 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	0.0	109.4
134	27.2	0.0	53.0

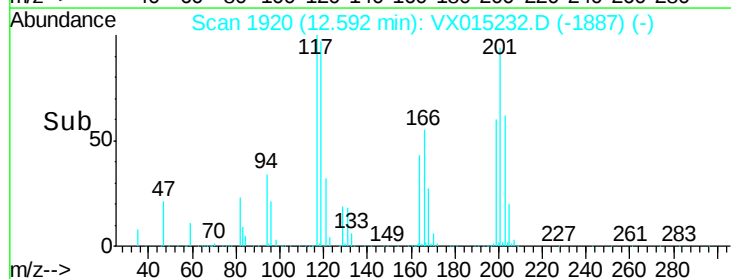
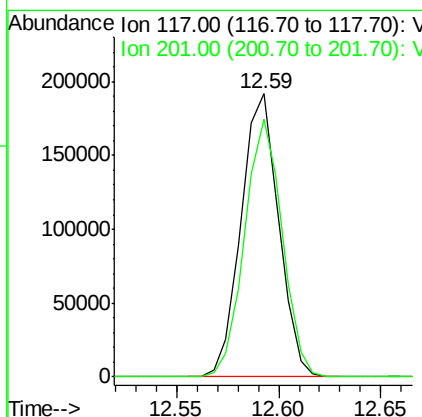
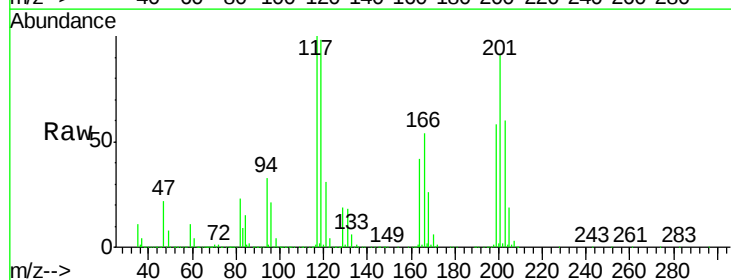
Manual Integrations
APPROVED

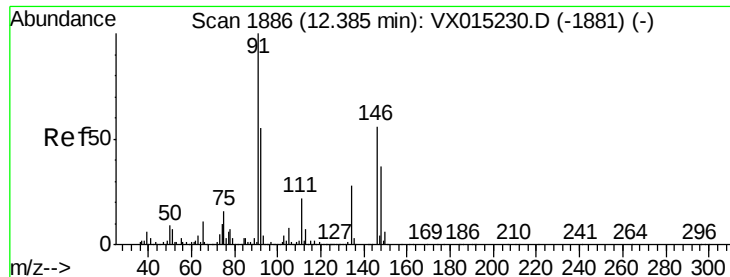
MMDadoda
3/16/2020 11:43:39 AM



#86
Hexachloroethane
Concen: 103.701 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX015232.D
Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 100.093 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

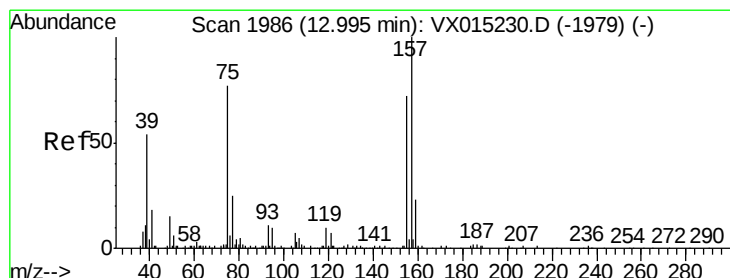
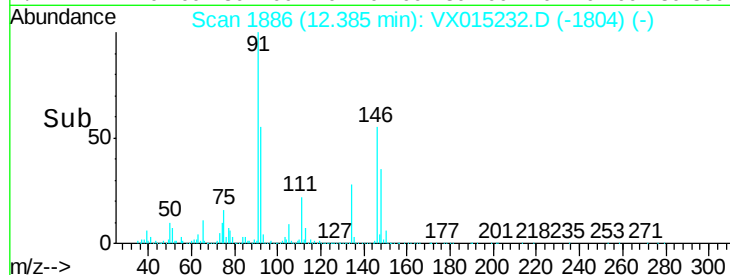
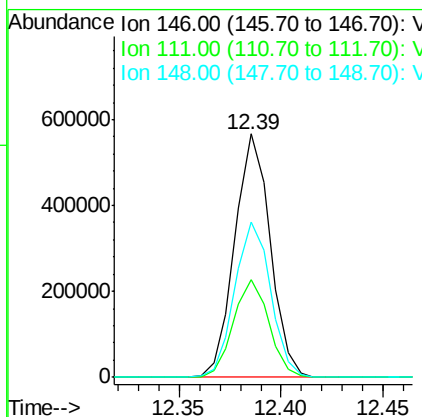
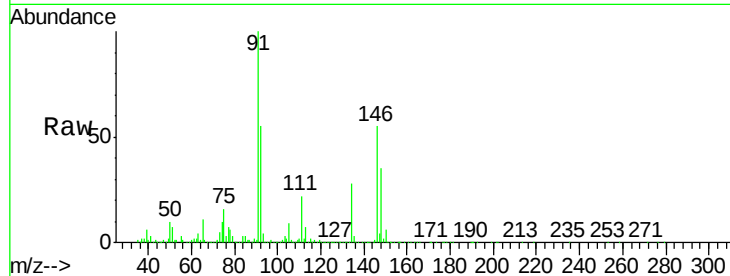
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	685210
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.4	58.4
148	64.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:39 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 99.467 ug/l

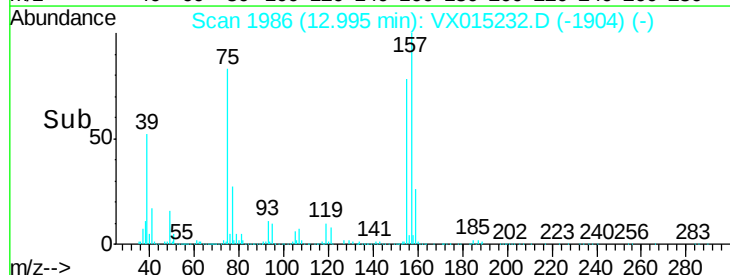
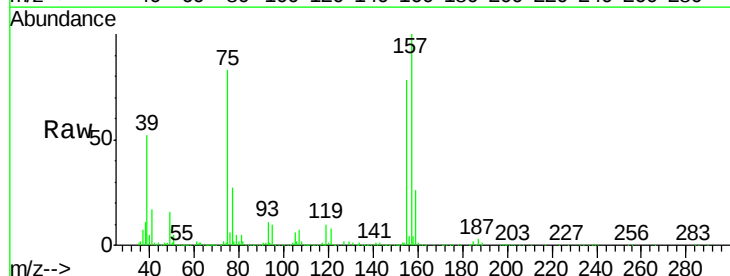
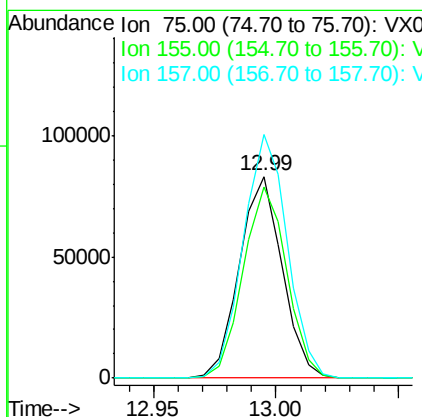
RT: 12.99 min Scan# 1986

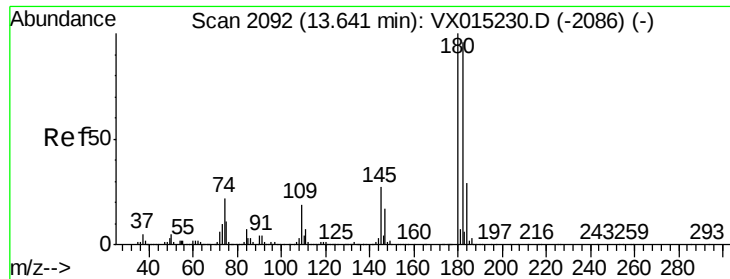
Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Tgt Ion:	75	Resp:	101301
Ion Ratio	Lower	Upper	
75	100		
155	96.7	77.5	116.3
157	124.2	103.0	154.4





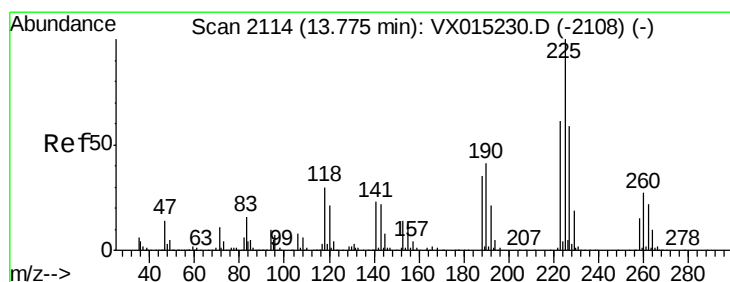
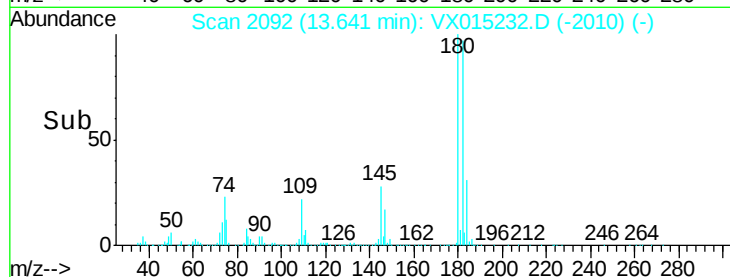
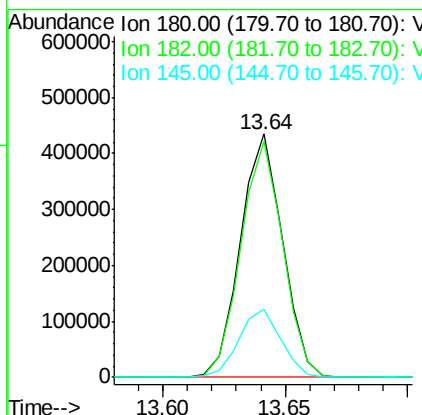
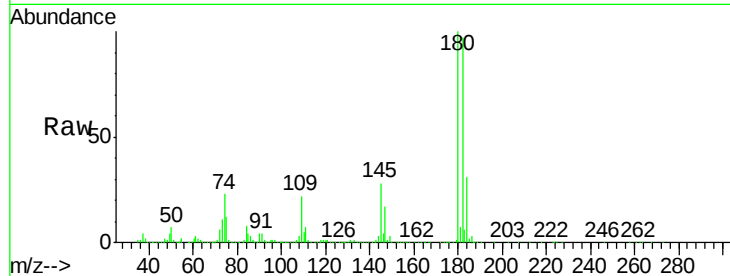
#89
 1,2,4-Trichlorobenzene
 Concen: 106.684 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	115.0
145	27.9	22.7	34.1

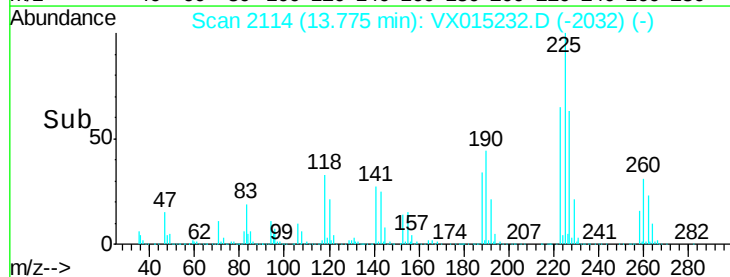
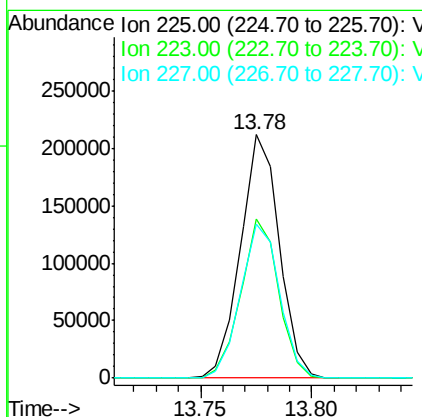
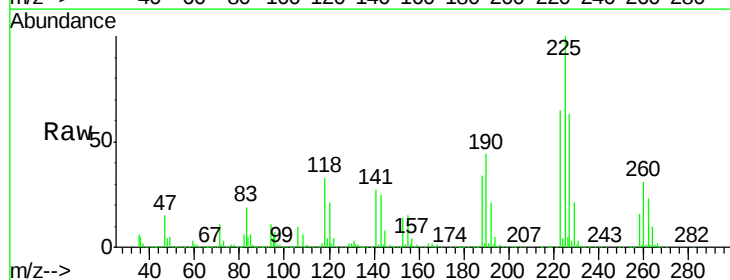
Manual Integrations
 APPROVED

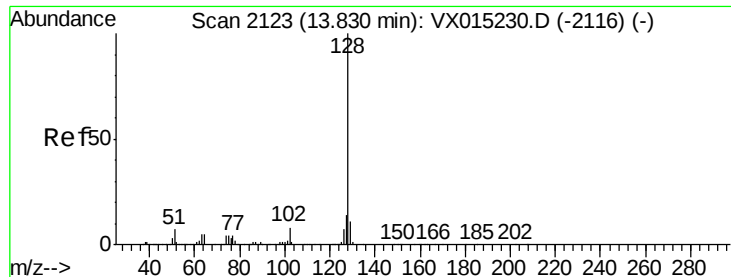
MMDadoda
 3/16/2020 11:43:39 AM



#90
 Hexachlorobutadiene
 Concen: 105.667 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX015232.D
 Acq: 12 Mar 2020 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	125.0
227	63.7	0.0	126.2





#91

Naphthalene

Concen: 107.256 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1494871

Ion Ratio Lower Upper

128 100

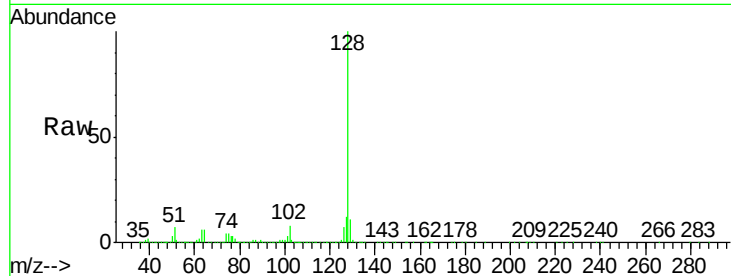
127 12.5 10.8 16.2

129 10.7 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

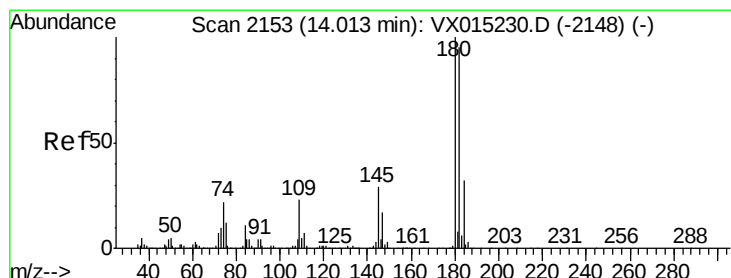
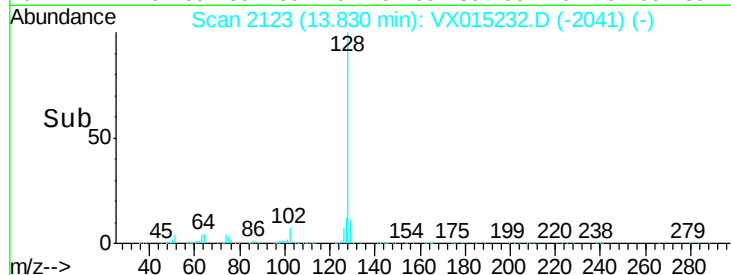
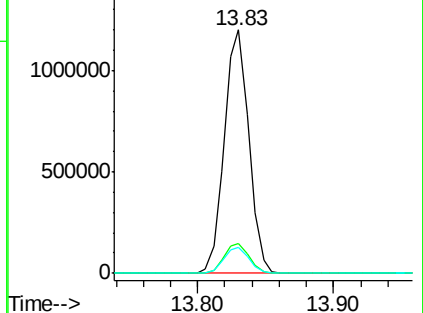
3/16/2020 11:43:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 104.620 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX015232.D

Acq: 12 Mar 2020 13:01

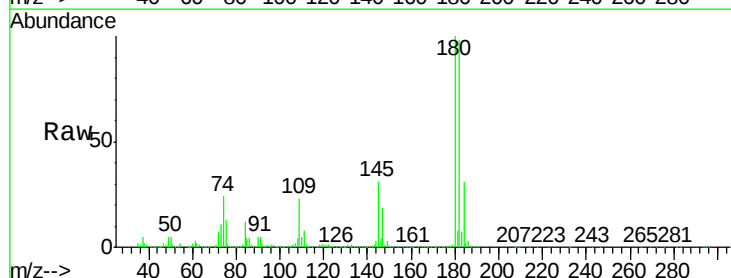
Tgt Ion:180 Resp: 511348

Ion Ratio Lower Upper

180 100

182 96.4 0.0 192.0

145 30.1 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

