

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006394.D
 Acq On : 11 Dec 2018 02:52
 Operator : JC/MD
 Sample : VX1210WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:12 AM

Quant Time: Dec 11 05:59:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	554917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	874636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	791201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	401482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	305701	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	5.50	113	289015	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	8.71	98	1033220	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	393974	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111325	20.489	ug/l	98
3) Chloromethane	1.33	50	105988	18.982	ug/l	98
4) Vinyl Chloride	1.41	62	117067	19.481	ug/l	97
5) Bromomethane	1.64	94	98596	23.674	ug/l	96
6) Chloroethane	1.72	64	76673	20.809	ug/l	99
7) Trichlorofluoromethane	1.93	101	182512	19.786	ug/l	99
8) Diethyl Ether	2.19	74	70314	20.141	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102241	19.492	ug/l	98
10) Methyl Iodide	2.51	142	150023	18.979	ug/l	99
11) Tert butyl alcohol	3.07	59	158821	102.518	ug/l	99
12) 1,1-Dichloroethene	2.38	96	96398	19.198	ug/l	91
13) Acrolein	2.29	56	80860	95.496	ug/l	96
14) Allyl chloride	2.73	41	169600	17.099	ug/l	98
15) Acrylonitrile	3.15	53	324601	100.409	ug/l	99
16) Acetone	2.45	43	264059	99.328	ug/l	99
17) Carbon Disulfide	2.57	76	244543	15.805	ug/l	99
18) Methyl Acetate	2.78	43	183637	20.656	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	357818	19.976	ug/l	99
20) Methylene Chloride	2.86	84	111607	19.726	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	107178	20.030	ug/l	90
22) Diisopropyl ether	3.87	45	318218	20.540	ug/l	98
23) Vinyl Acetate	3.82	43	1289043	97.550	ug/l	99
24) 1,1-Dichloroethane	3.70	63	185394	20.936	ug/l	98
25) 2-Butanone	4.70	43	392280	103.416	ug/l	100
26) 2,2-Dichloropropane	4.59	77	123163	15.070	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	125762	21.070	ug/l	95
28) Bromochloromethane	5.02	49	81755	21.136	ug/l	98
29) Tetrahydrofuran	5.15	42	263098	99.798	ug/l	95
30) Chloroform	5.21	83	198409	21.321	ug/l	95
31) Cyclohexane	5.57	56	151231	18.479	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	178072	20.111	ug/l	99
36) 1,1-Dichloropropene	5.79	75	134853	18.309	ug/l	100
37) Ethyl Acetate	4.85	43	149455	18.120	ug/l	97
38) Carbon Tetrachloride	5.79	117	151293	17.461	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006394.D
 Acq On : 11 Dec 2018 02:52
 Operator : JC/MD
 Sample : VX1210WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1210WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:54:12 AM

Quant Time: Dec 11 05:59:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	165694	17.331	ug/l	98
40) Benzene	6.14	78	430672	19.523	ug/l	100
41) Methacrylonitrile	5.06	41	84186	18.549	ug/l	97
42) 1,2-Dichloroethane	6.20	62	147237	20.394	ug/l	99
43) Isopropyl Acetate	6.46	43	246130	17.898	ug/l	99
44) Trichloroethene	7.21	130	138056	20.658	ug/l	92
45) 1,2-Dichloropropane	7.52	63	108790	19.404	ug/l	97
46) Dibromomethane	7.66	93	78158	19.302	ug/l	96
47) Bromodichloromethane	7.90	83	142193	18.134	ug/l	96
48) Methyl methacrylate	7.77	41	124672	18.635	ug/l	99
49) 1,4-Dioxane	7.75	88	65917	399.760	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	770502	96.244	ug/l	97
52) Toluene	8.79	92	279841	19.282	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	150670	16.430	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	163160	17.134	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117840	19.986	ug/l	95
56) Ethyl methacrylate	9.18	69	177731	19.282	ug/l	97
57) 1,3-Dichloropropane	9.37	76	187643	20.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	447461	95.665	ug/l	99
59) 2-Hexanone	9.49	43	594796	97.246	ug/l	99
60) Dibromochloromethane	9.59	129	123669	17.010	ug/l	98
61) 1,2-Dibromoethane	9.67	107	128790	19.535	ug/l	99
64) Tetrachloroethene	9.34	164	114755	19.259	ug/l	97
65) Chlorobenzene	10.14	112	325541	19.383	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	121678	18.646	ug/l	99
67) Ethyl Benzene	10.25	91	540555	19.351	ug/l	100
68) m/p-Xylenes	10.36	106	431193	38.535	ug/l	100
69) o-Xylene	10.70	106	219321	19.843	ug/l	96
70) Styrene	10.71	104	343950	19.241	ug/l	99
71) Bromoform	10.86	173	95419	15.490	ug/l	100
73) Isopropylbenzene	11.02	105	566239	20.423	ug/l	99
74) N-amyl acetate	10.90	43	216563	18.139	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	184781	20.832	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	171766m	22.165	ug/l	
77) Bromobenzene	11.26	156	154544	20.085	ug/l	97
78) n-propylbenzene	11.36	91	609323	19.770	ug/l	100
79) 2-Chlorotoluene	11.42	91	372931	20.359	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	460924	19.980	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48757	14.765	ug/l	87
82) 4-Chlorotoluene	11.51	91	423620	19.890	ug/l	99
83) tert-Butylbenzene	11.77	119	491321	19.962	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	478031	20.068	ug/l	99
85) sec-Butylbenzene	11.94	105	565001	20.178	ug/l	99
86) p-Isopropyltoluene	12.06	119	501693	19.897	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	273682	19.990	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	272593	19.616	ug/l	99
89) n-Butylbenzene	12.39	91	401455	18.660	ug/l	100
90) Hexachloroethane	12.60	117	86344	16.802	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	276255	20.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	40329	17.737	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121018\
Data File : VX006394.D
Acq On : 11 Dec 2018 02:52
Operator : JC/MD
Sample : VX1210WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

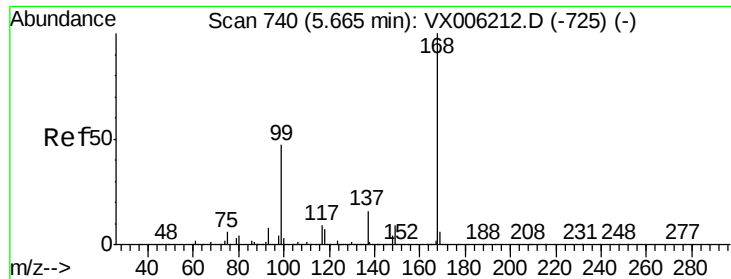
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM

Quant Time: Dec 11 05:59:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	184073	18.568	ug/l	98
94) Hexachlorobutadiene	13.78	225	81403	18.568	ug/l	99
95) Naphthalene	13.83	128	617454	20.023	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	191374	19.491	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion:168 Resp: 554917

Ion Ratio Lower Upper

168 100

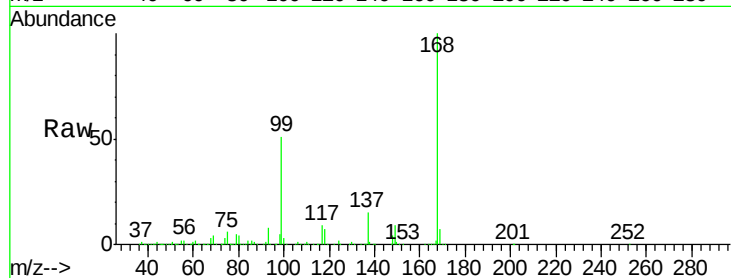
99 51.2 37.8 56.8

Manual Integrations

APPROVED

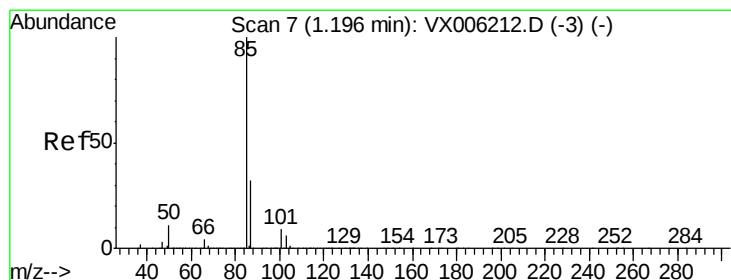
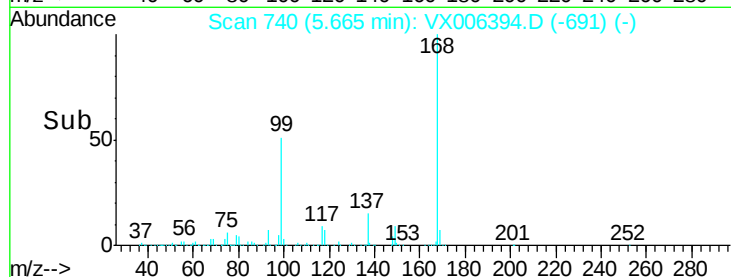
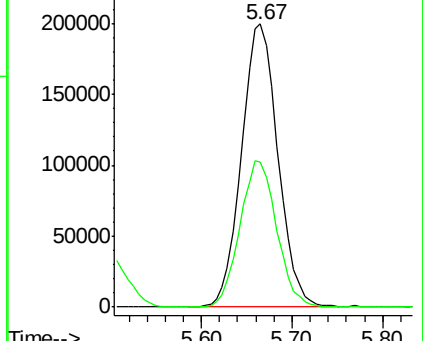
MMDadoda

12/11/2018 10:54:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.489 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006394.D

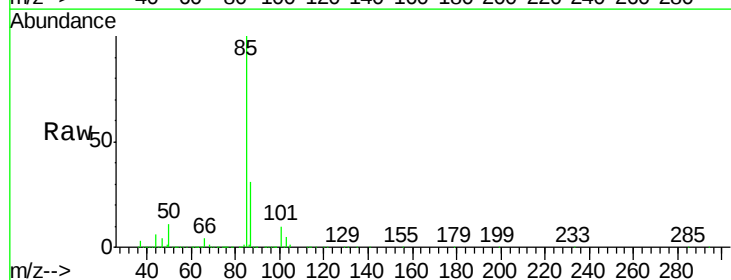
Acq: 11 Dec 2018 02:52

Tgt Ion: 85 Resp: 111325

Ion Ratio Lower Upper

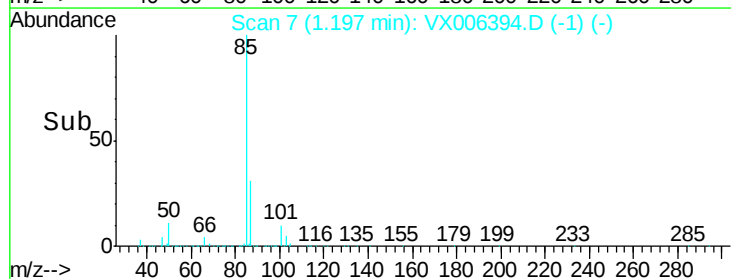
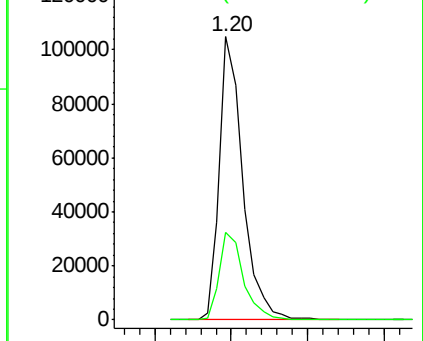
85 100

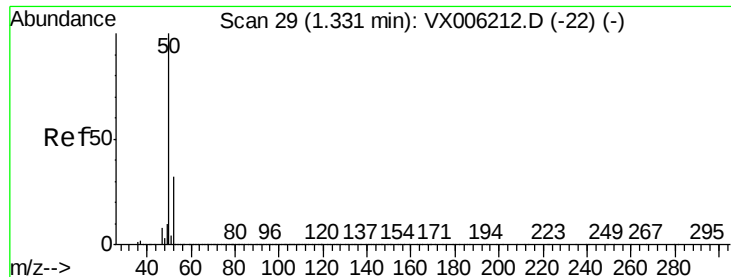
87 30.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.982 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 50 Resp: 105988

Ion Ratio Lower Upper

50 100

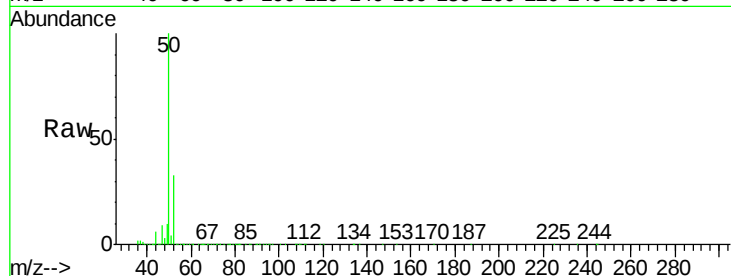
52 32.7 25.2 37.8

Manual Integrations

APPROVED

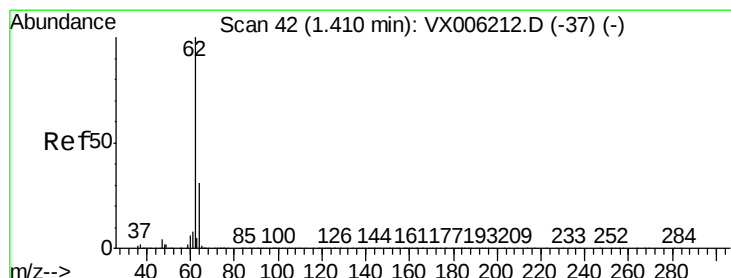
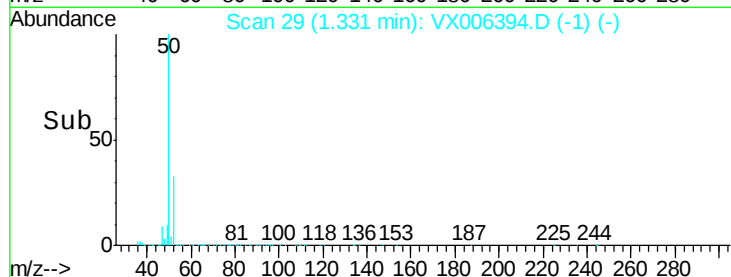
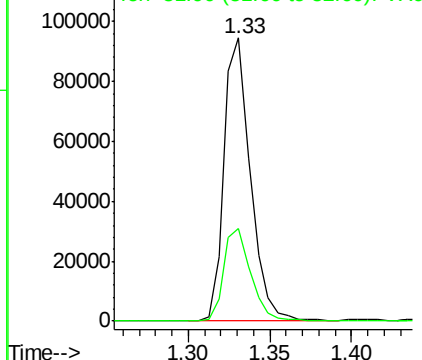
MMDadoda

12/11/2018 10:54:12 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.481 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006394.D

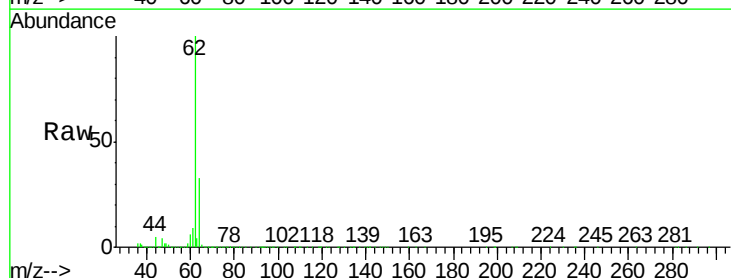
Acq: 11 Dec 2018 02:52

Tgt Ion: 62 Resp: 117067

Ion Ratio Lower Upper

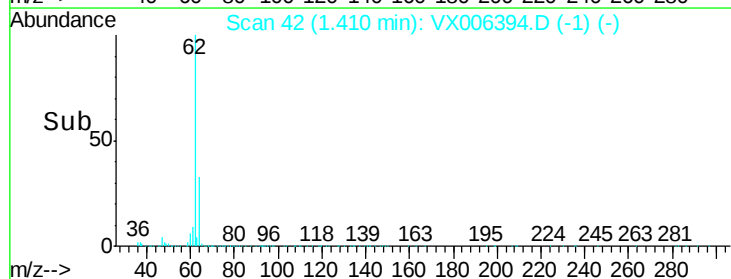
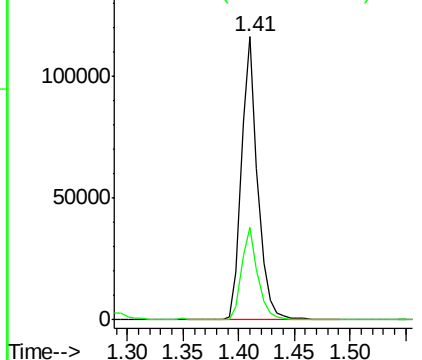
62 100

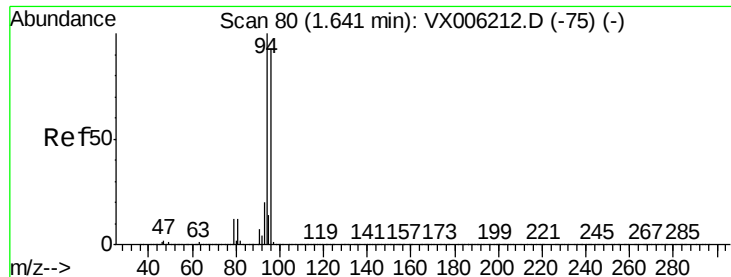
64 32.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.674 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 94 Resp: 98596

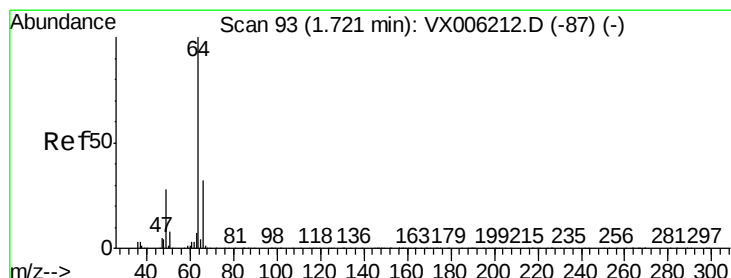
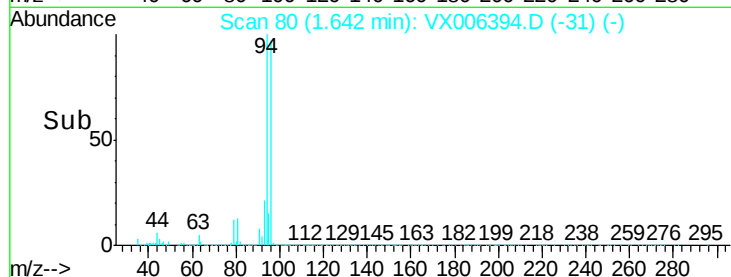
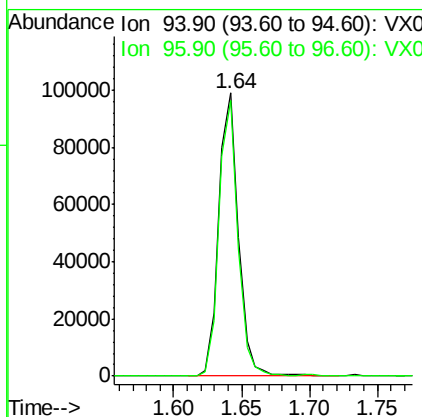
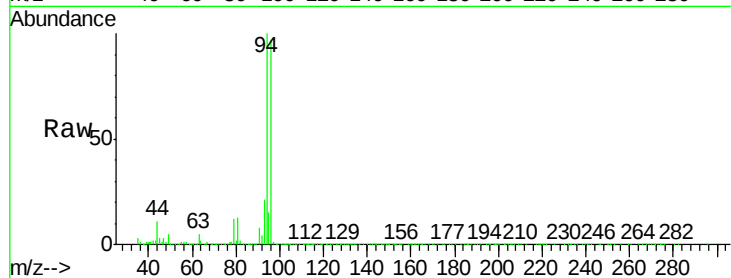
Ion Ratio Lower Upper

94 100

96 97.3 74.5 111.7

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#6

Chloroethane

Concen: 20.809 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006394.D

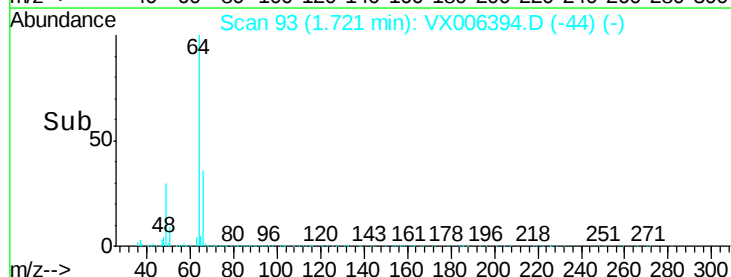
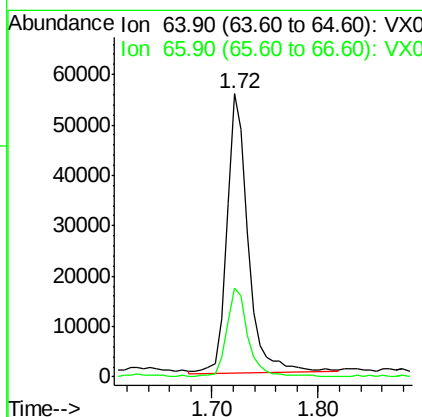
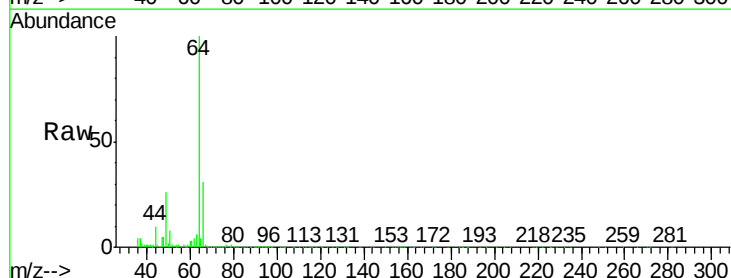
Acq: 11 Dec 2018 02:52

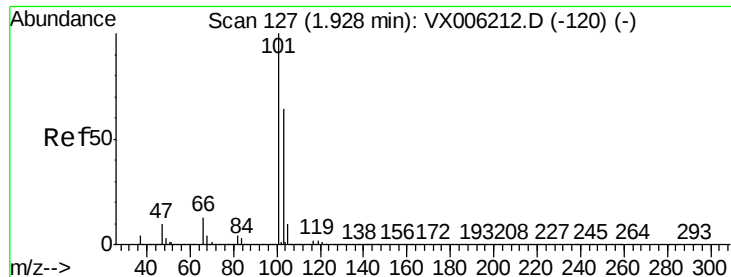
Tgt Ion: 64 Resp: 76673

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9





#7

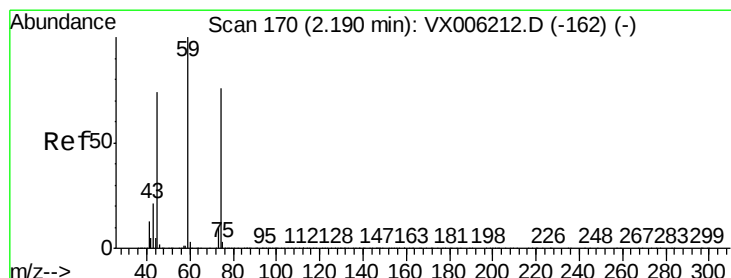
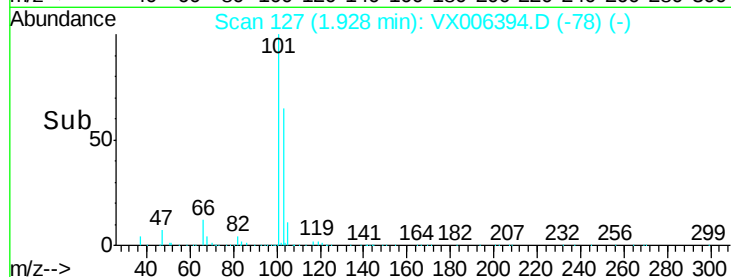
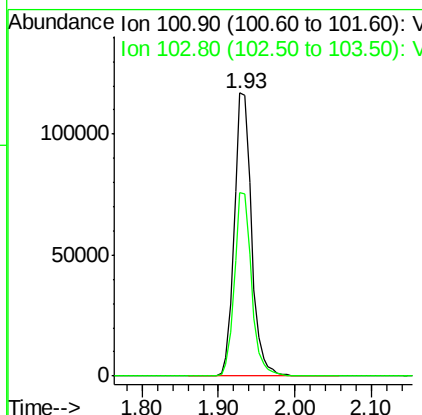
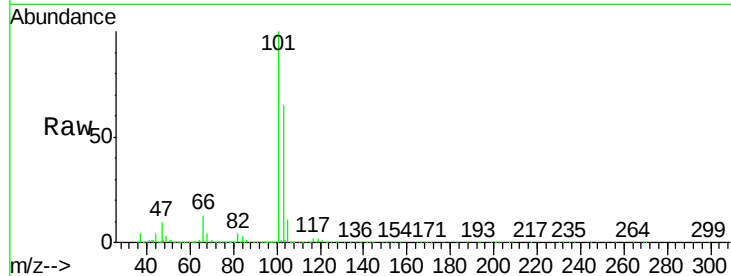
Trichlorofluoromethane
Concen: 19.786 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.4

Manual Integrations
APPROVED

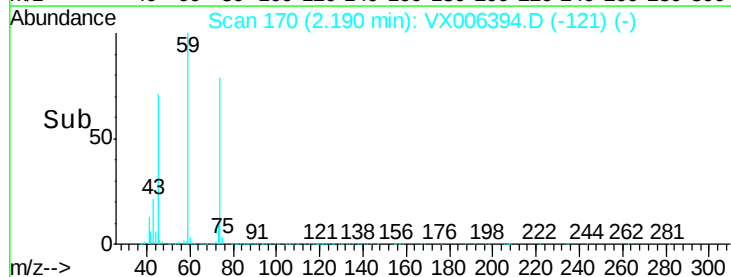
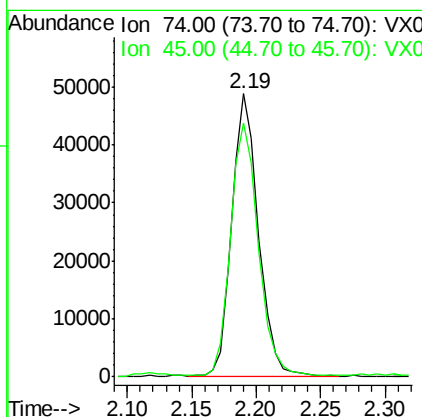
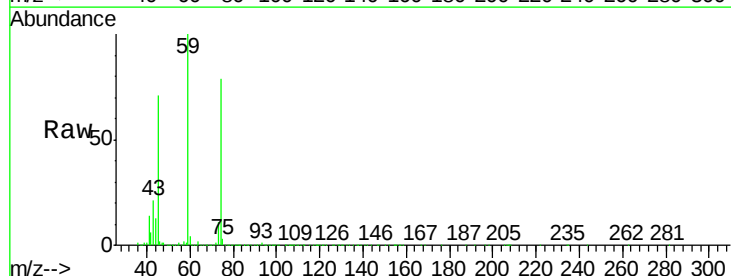
MMDadoda
12/11/2018 10:54:12 AM

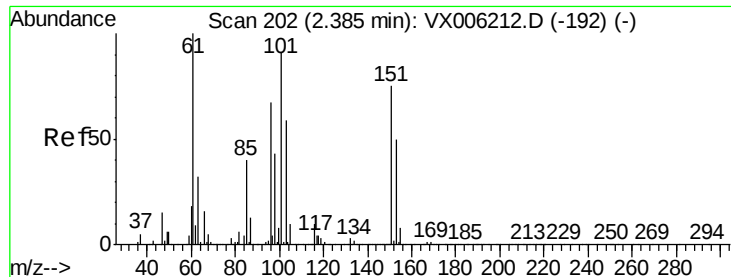


#8

Diethyl Ether
Concen: 20.141 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.492 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

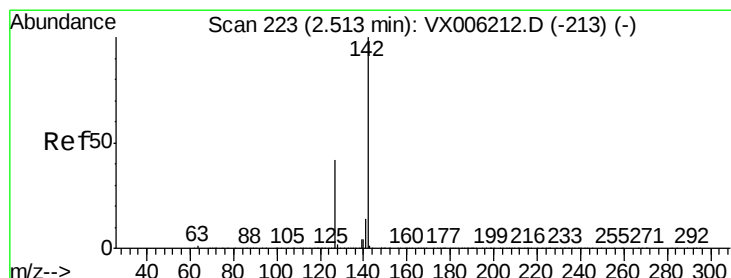
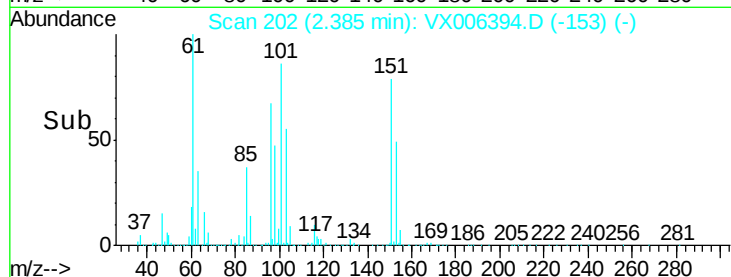
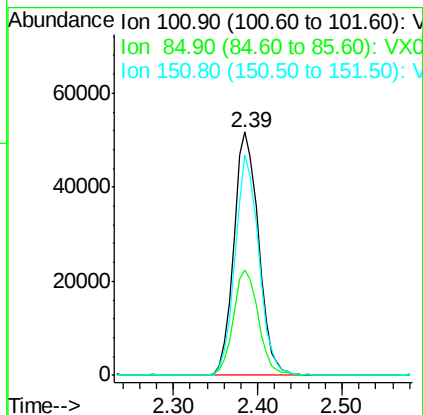
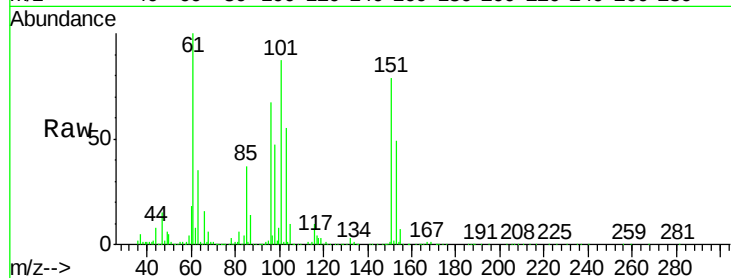
ClientSampleId :

VX1210WBSD02

Tot Ion:	101	Resp:	102241
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.5	53.3
151	87.2	68.6	103.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#10

Methyl Iodide

Concen: 18.979 ug/l

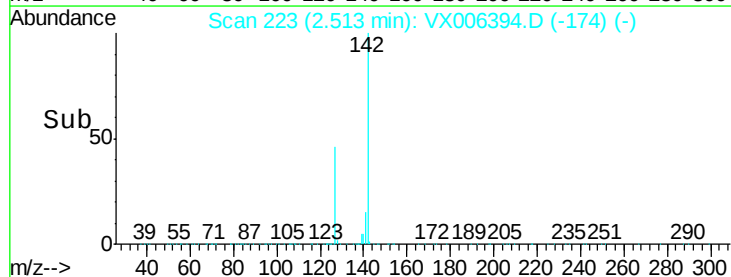
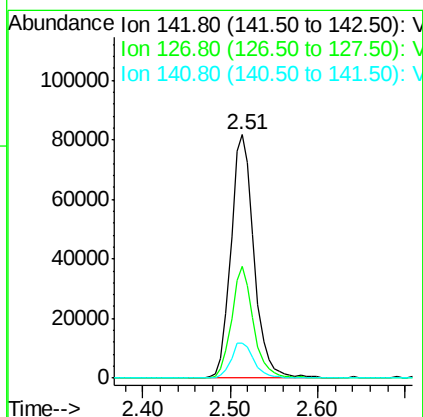
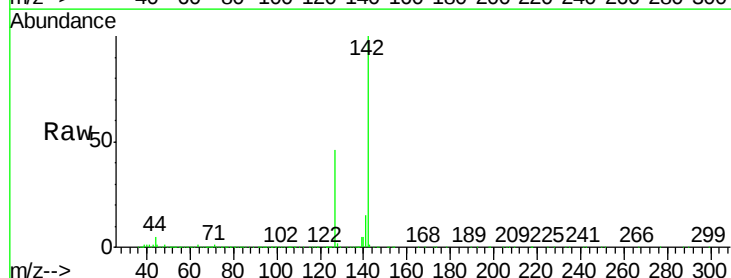
RT: 2.51 min Scan# 223

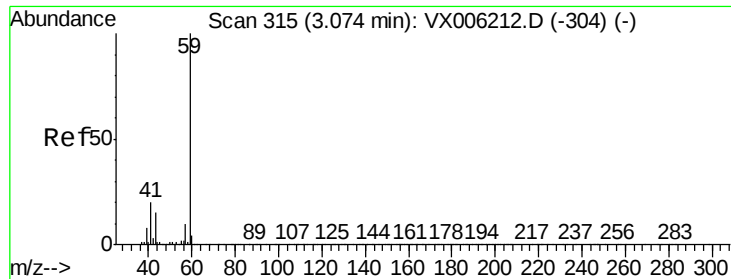
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	142	Resp:	150023
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.8	52.2
141	14.6	11.4	17.2





#11

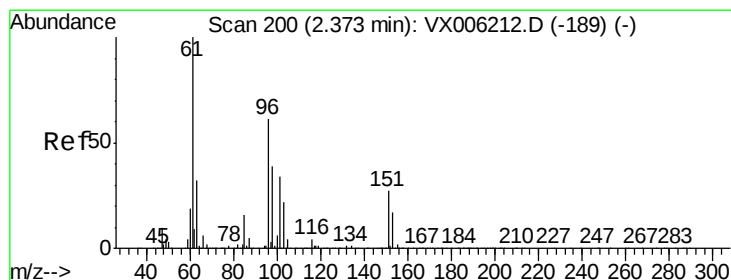
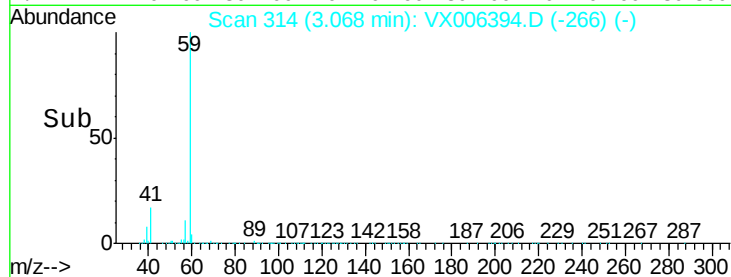
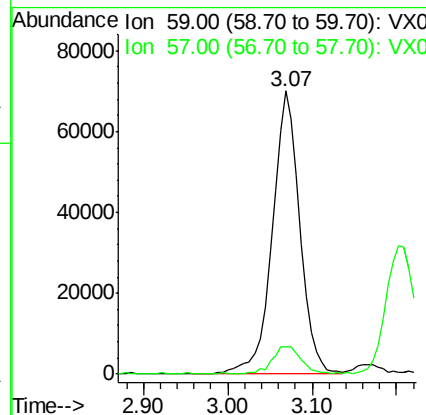
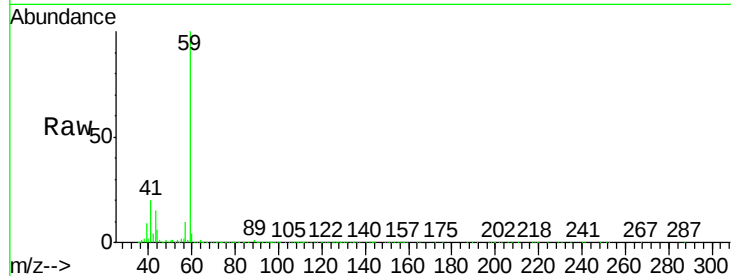
Tert butyl alcohol
Concen: 102.518 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	59.00	Resp	158821
Ion Ratio	100	Lower	Upper
59	100		
57	9.9	8.2	12.2

Manual Integrations
APPROVED

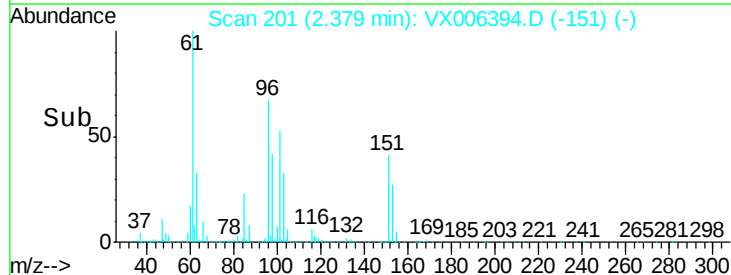
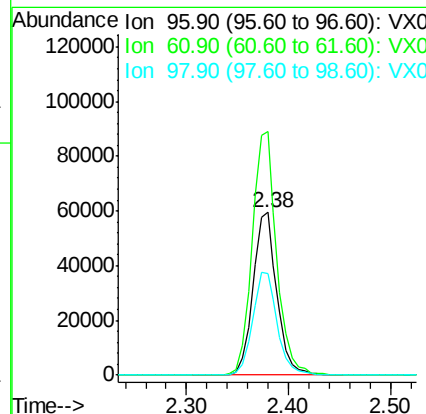
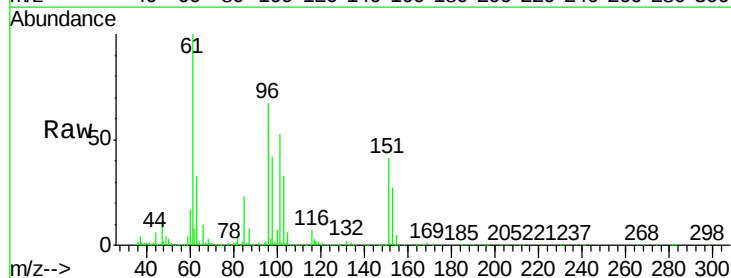
MMDadoda
12/11/2018 10:54:12 AM

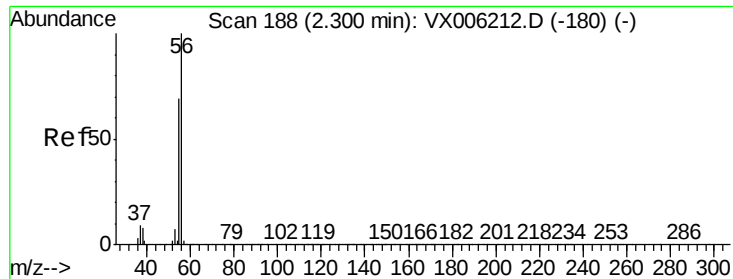


#12

1,1-Dichloroethene
Concen: 19.198 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	96	Resp	96398
Ion Ratio	100	Lower	Upper
96	100		
61	149.5	131.7	197.5
98	62.5	51.8	77.6





#13

Acrolein

Concen: 95.496 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 56 Resp: 80860

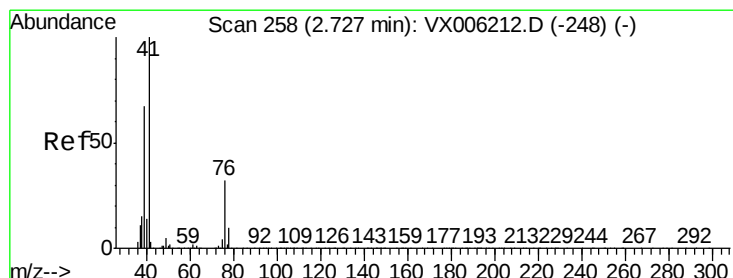
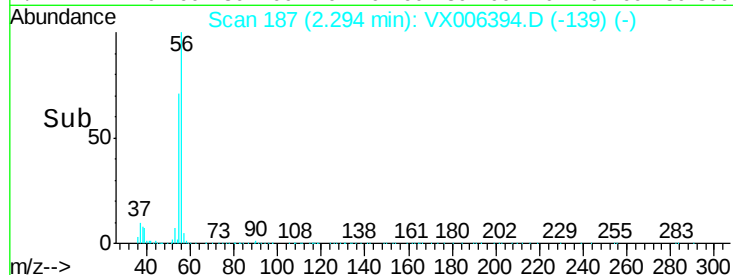
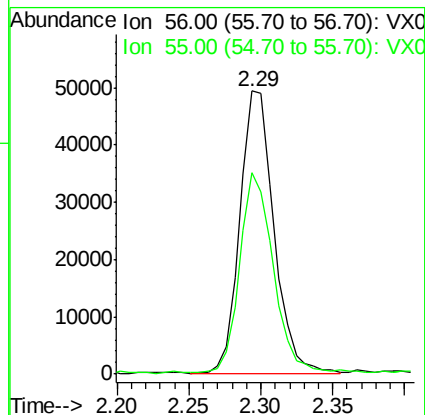
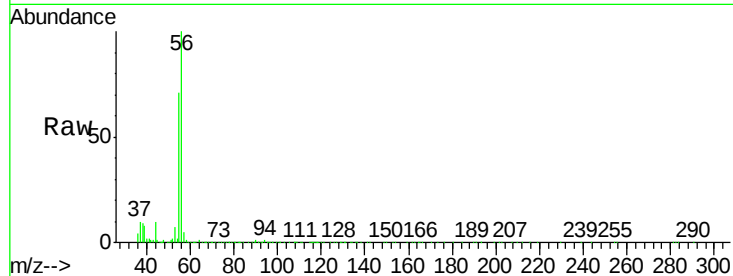
Ion Ratio Lower Upper

56 100

55 69.0 57.8 86.6

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#14

Allyl chloride

Concen: 17.099 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

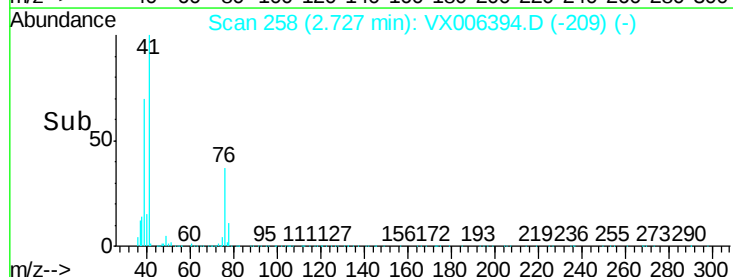
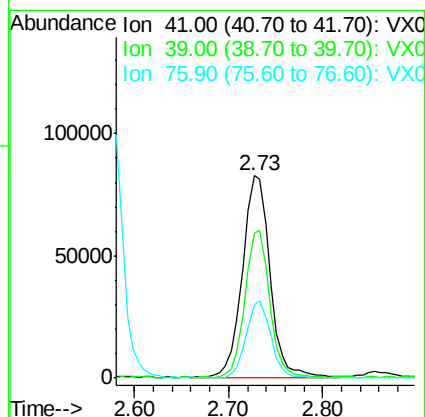
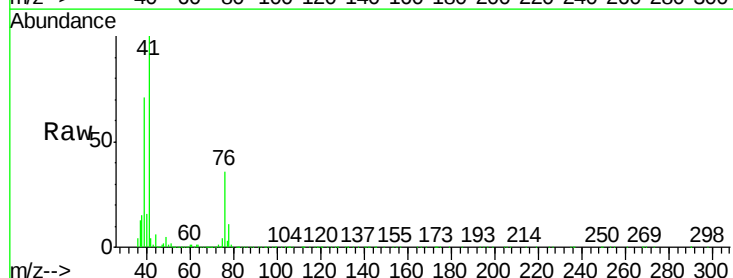
Tgt Ion: 41 Resp: 169600

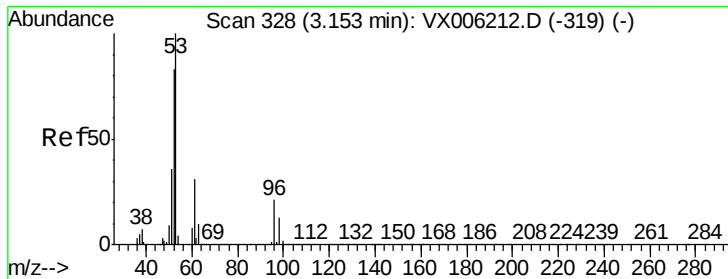
Ion Ratio Lower Upper

41 100

39 65.6 52.4 78.6

76 34.4 25.4 38.0





#15

Acrylonitrile

Concen: 100.409 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

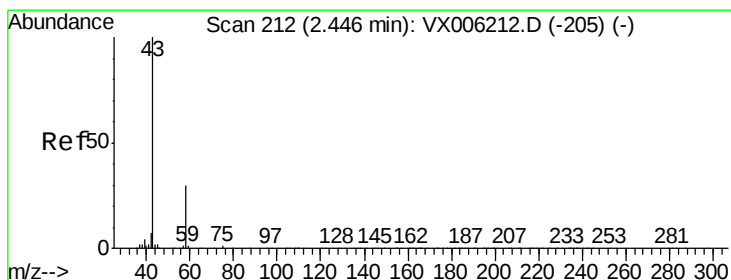
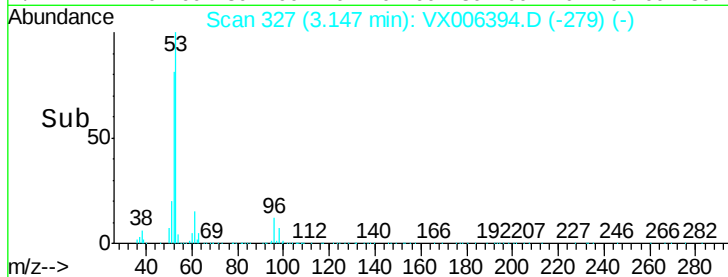
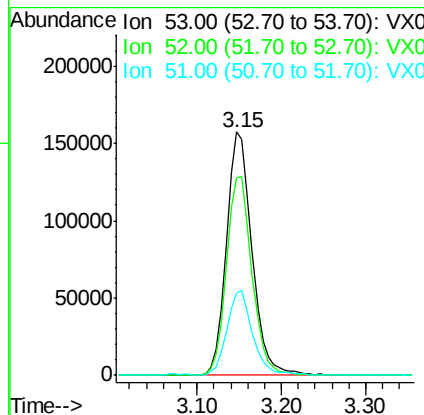
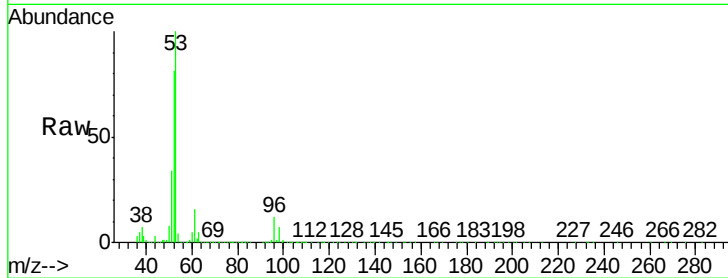
ClientSampleId :

VX1210WBSD02

Tot Ion:	53	Resp:	324601
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.2	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#16

Acetone

Concen: 99.328 ug/l

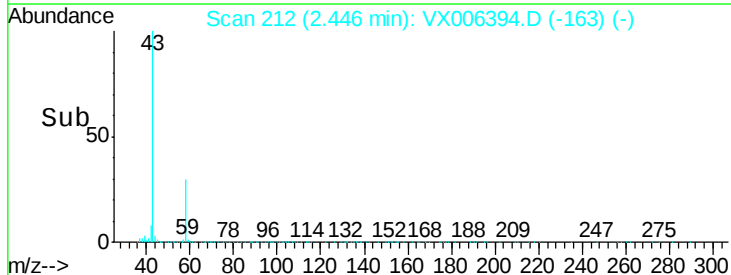
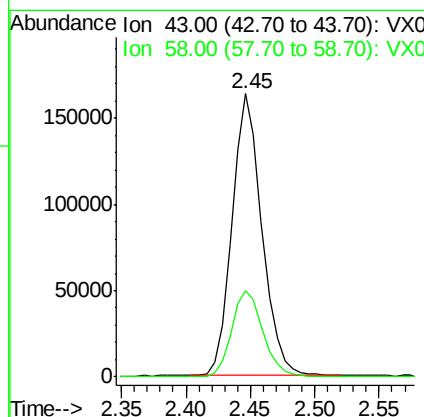
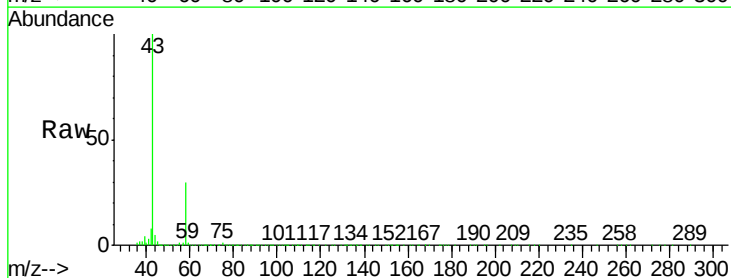
RT: 2.45 min Scan# 212

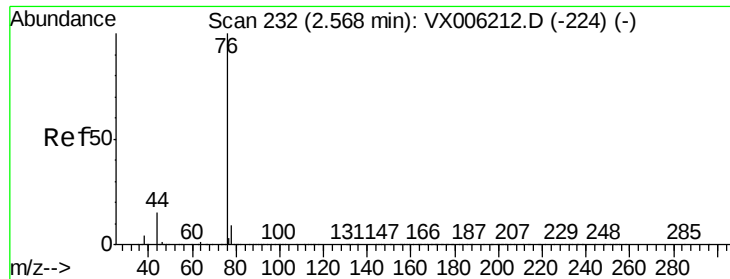
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	43	Resp:	264059
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.0	36.0





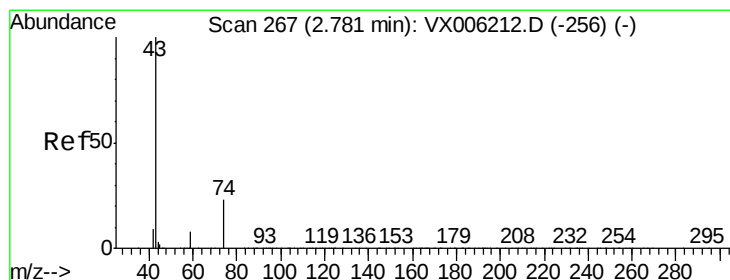
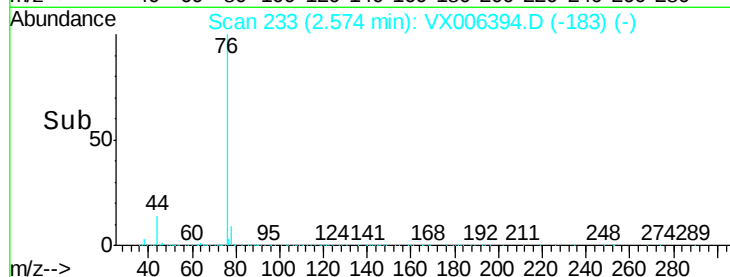
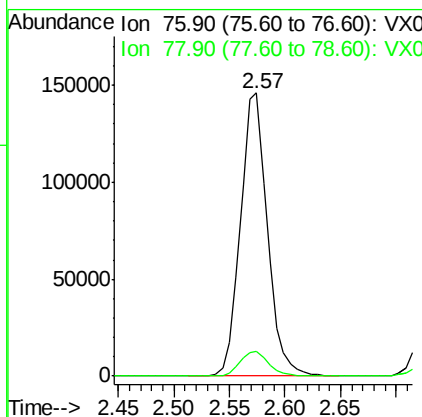
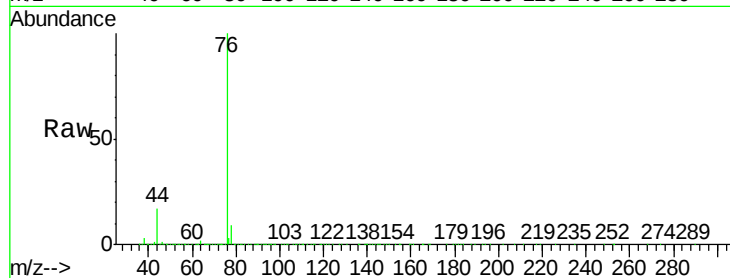
#17
Carbon Disulfide
Concen: 15.805 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

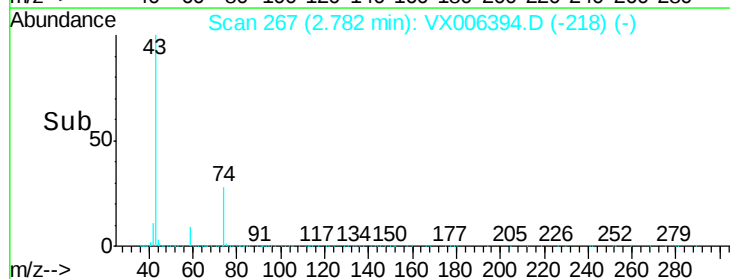
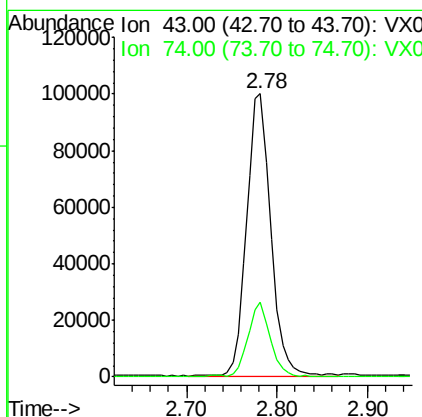
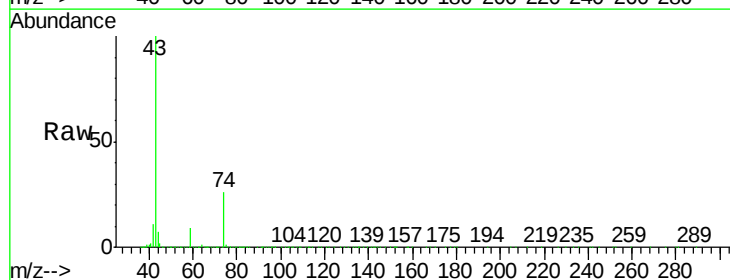
Manual Integrations
APPROVED

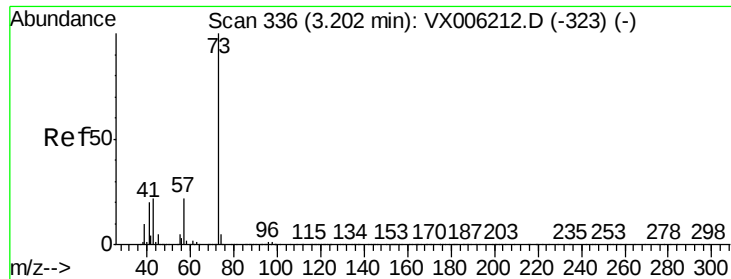
MMDadoda
12/11/2018 10:54:12 AM



#18
Methyl Acetate
Concen: 20.656 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	17.9	26.9





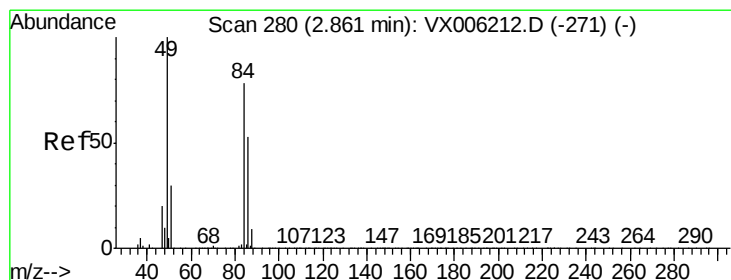
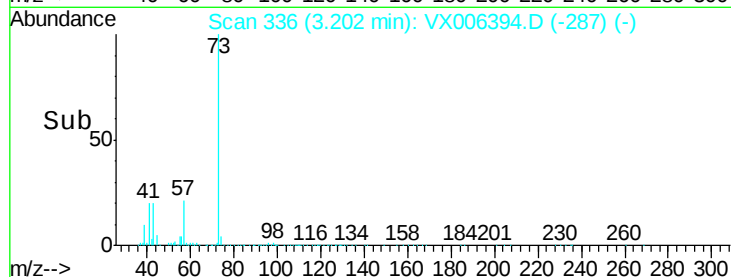
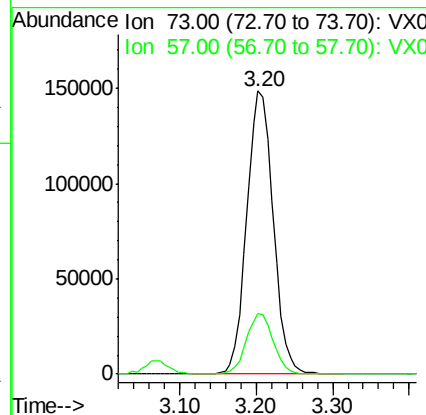
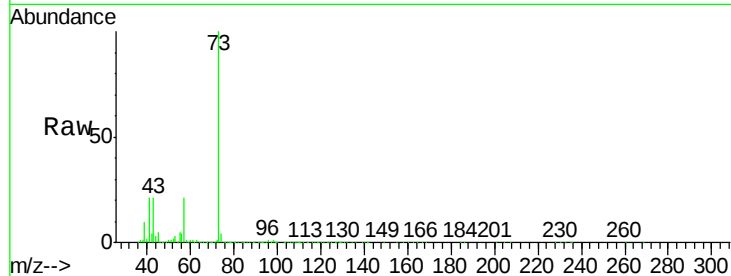
#19
Methyl tert-butyl Ether
Concen: 19.976 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.5	26.3

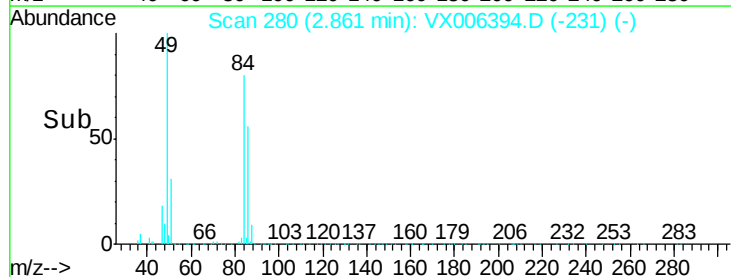
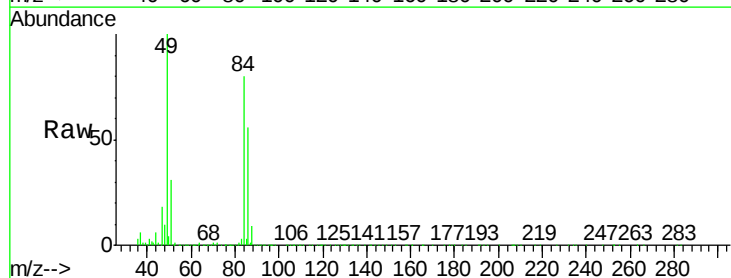
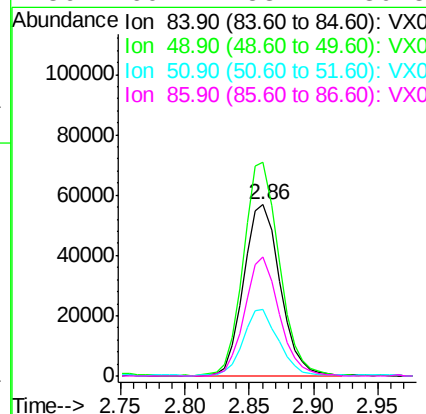
Manual Integrations
APPROVED

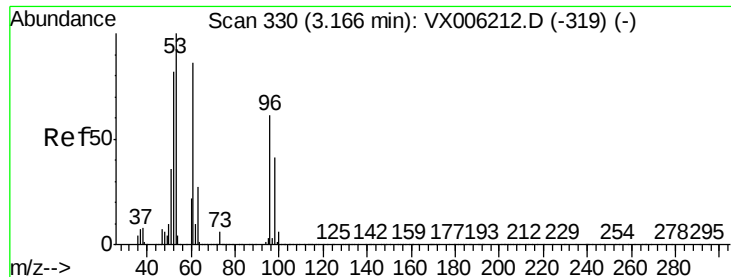
MMDadoda
12/11/2018 10:54:12 AM



#20
Methylene Chloride
Concen: 19.726 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	102.2	153.4
51	38.6	31.1	46.7
86	69.1	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 20.030 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006394.D

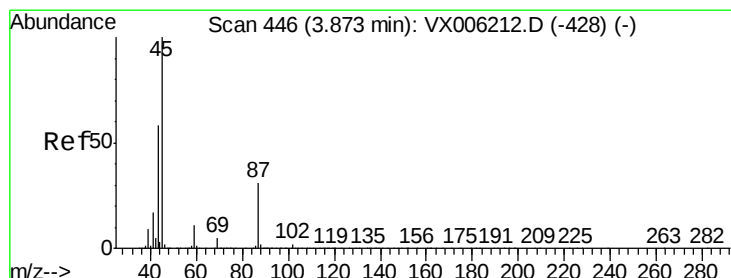
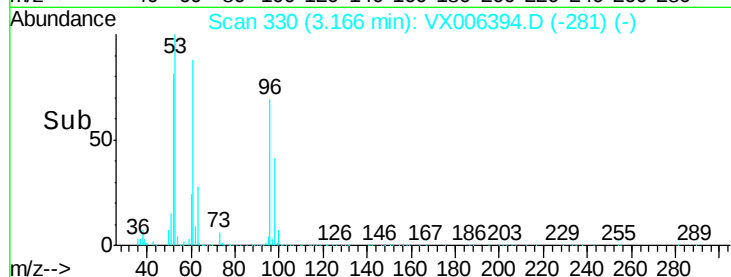
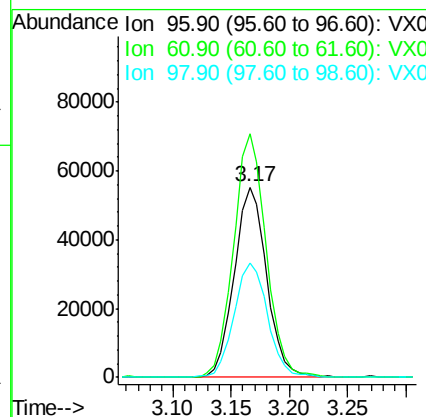
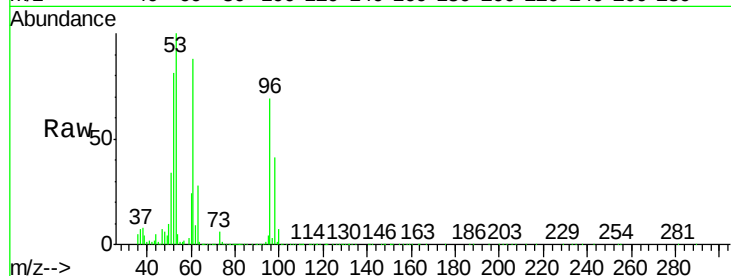
Acq: 11 Dec 2018 02:52

Tot Ion:	96	Resp:	107178
Ion	Ratio	Lower	Upper
96	100		
61	127.8	113.3	169.9
98	60.0	53.2	79.8

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#22

Diisopropyl ether

Concen: 20.540 ug/l

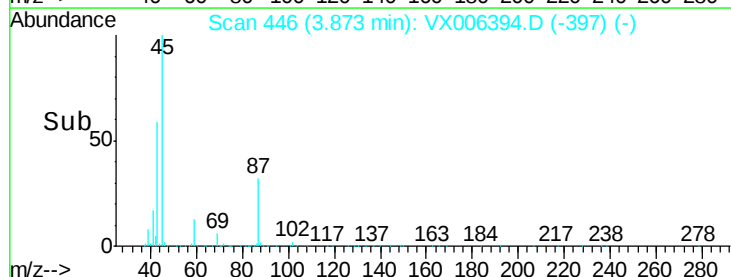
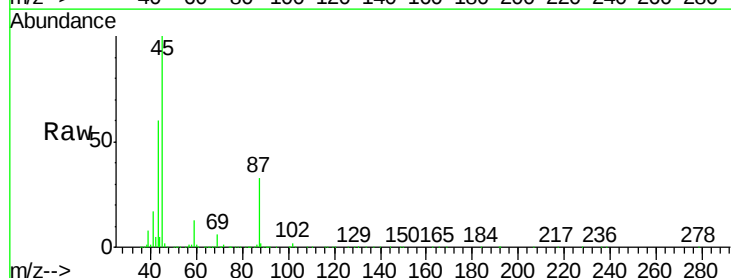
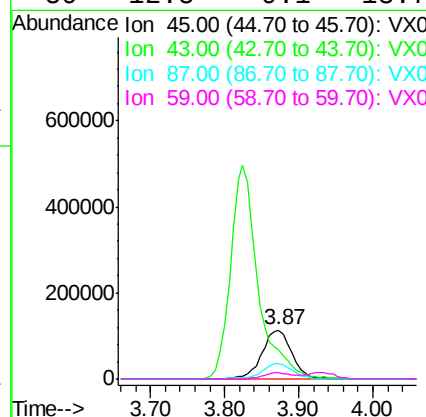
RT: 3.87 min Scan# 446

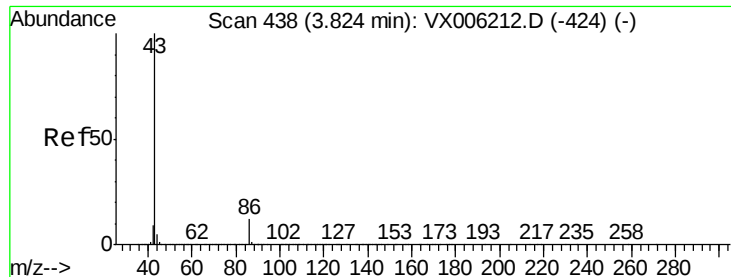
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	45	Resp:	318218
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.2	69.2
87	32.4	24.9	37.3
59	12.5	9.1	13.7





#23

Vinyl Acetate

Concen: 97.550 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 43 Resp: 1289043

Ion Ratio Lower Upper

43 100

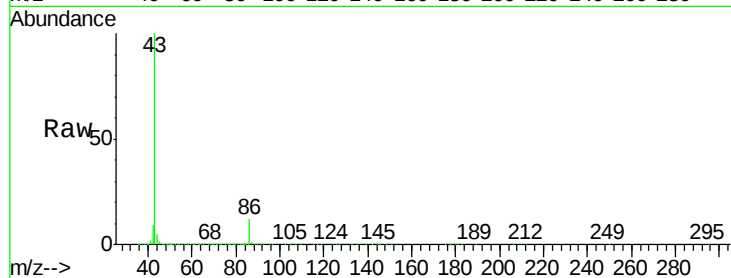
86 12.3 9.4 14.0

Manual Integrations

APPROVED

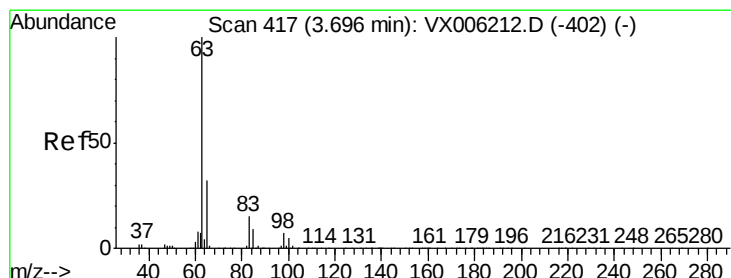
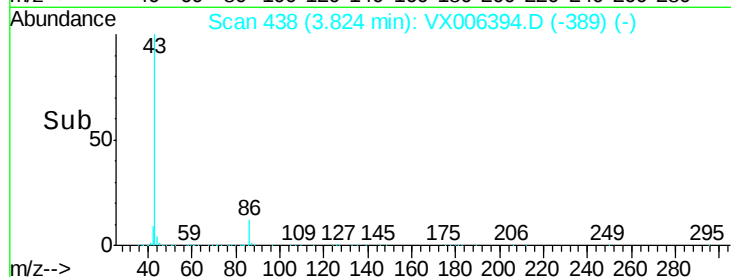
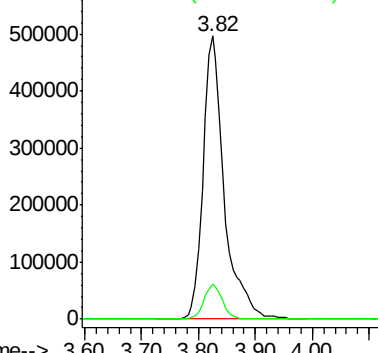
MMDadoda

12/11/2018 10:54:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.936 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

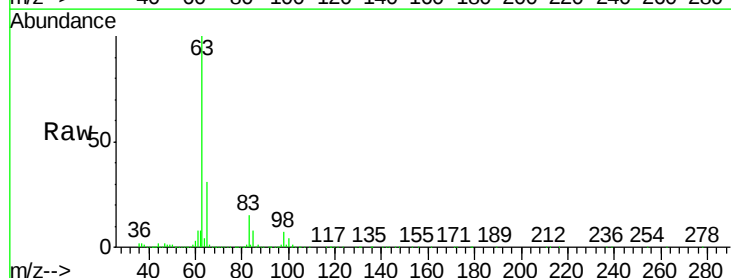
Tgt Ion: 63 Resp: 185394

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

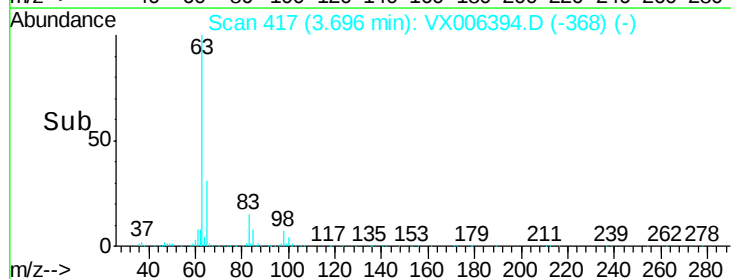
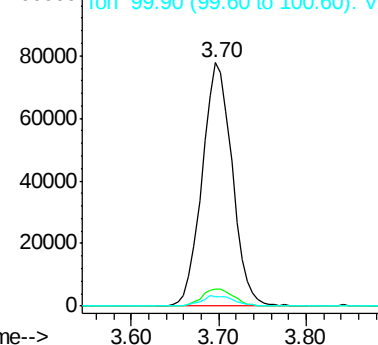
100 4.0 2.5 7.4

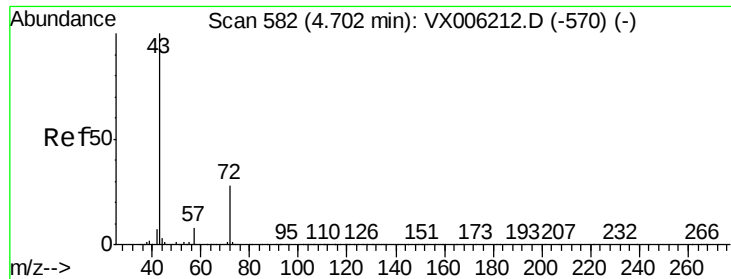


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 103.416 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 43 Resp: 392280

Ion Ratio Lower Upper

43 100

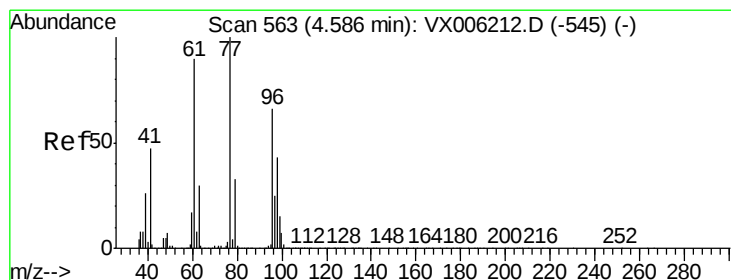
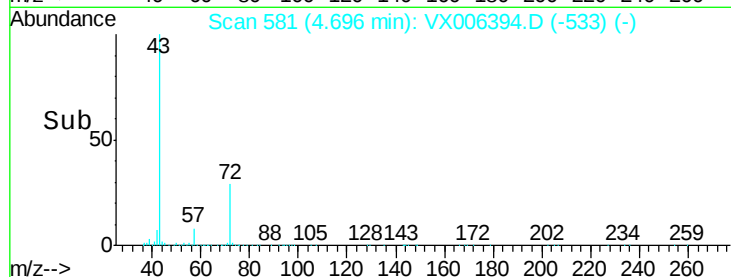
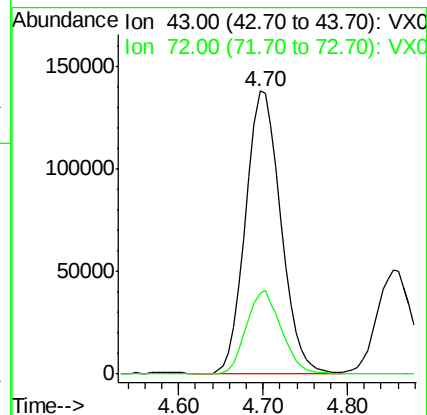
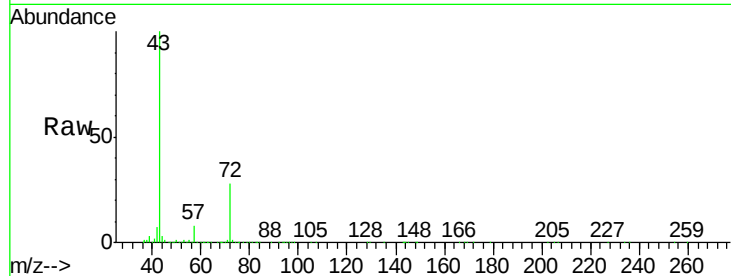
72 28.3 22.6 33.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:12 AM



#26

2,2-Dichloropropane

Concen: 15.070 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006394.D

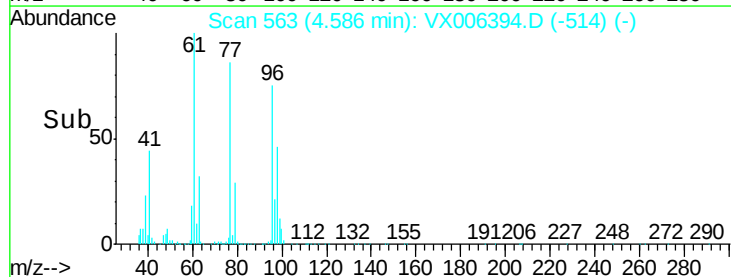
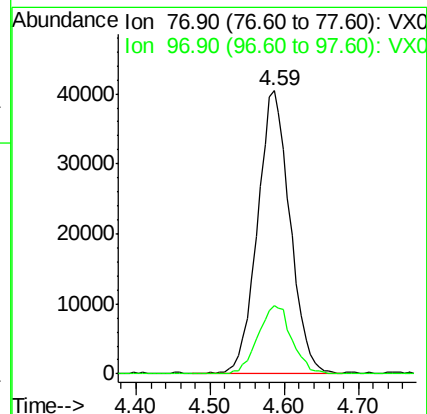
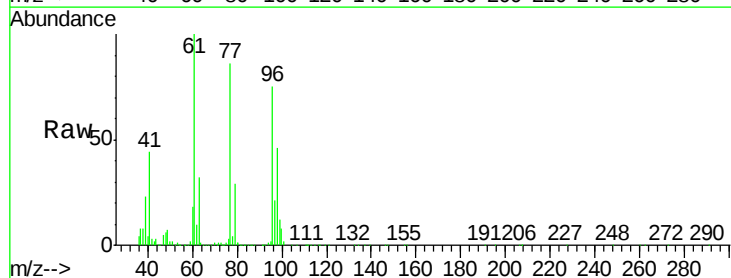
Acq: 11 Dec 2018 02:52

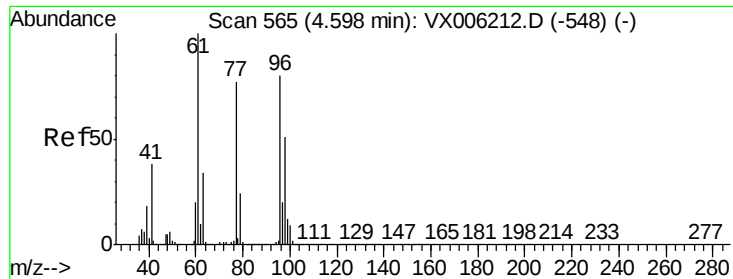
Tgt Ion: 77 Resp: 123163

Ion Ratio Lower Upper

77 100

97 25.2 12.3 36.8





#27

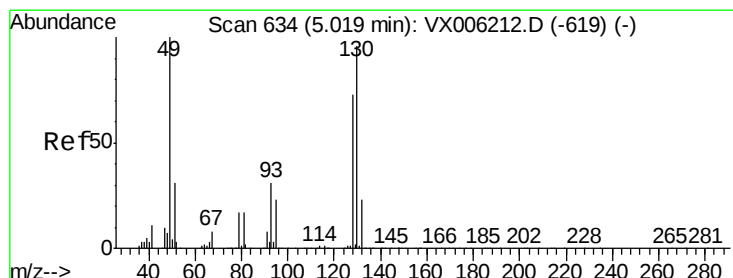
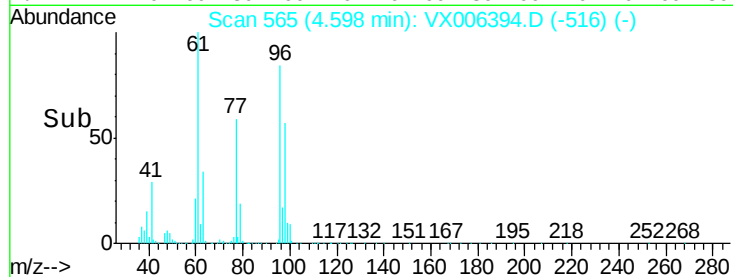
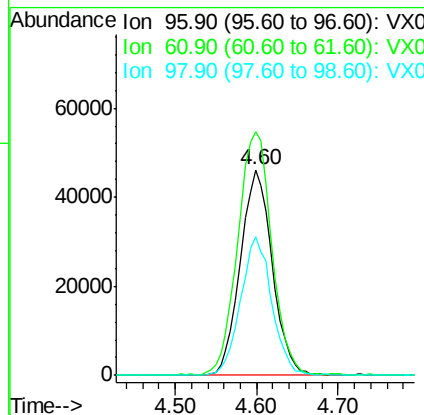
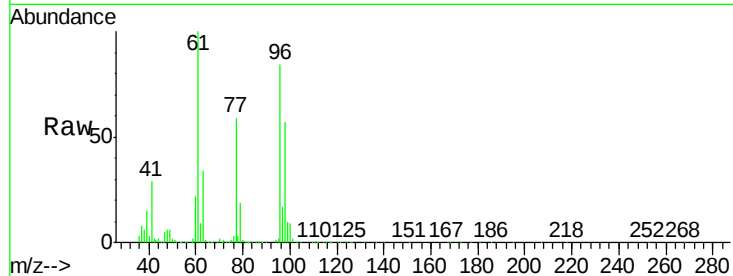
cis-1,2-Dichloroethene
Concen: 21.070 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125762		
61	124.9	0.0	265.0	
98	65.7	0.0	130.2	

Manual Integrations
APPROVED

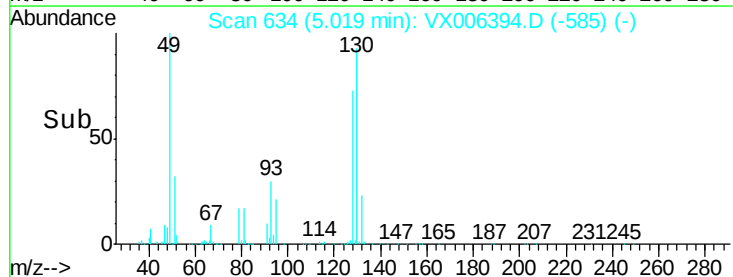
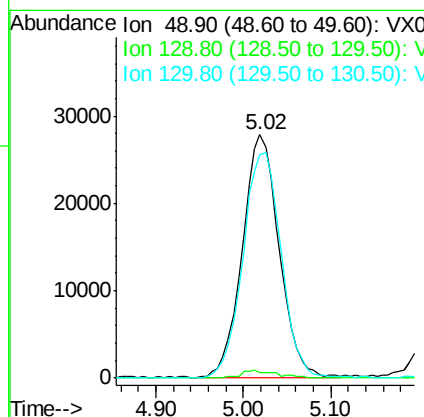
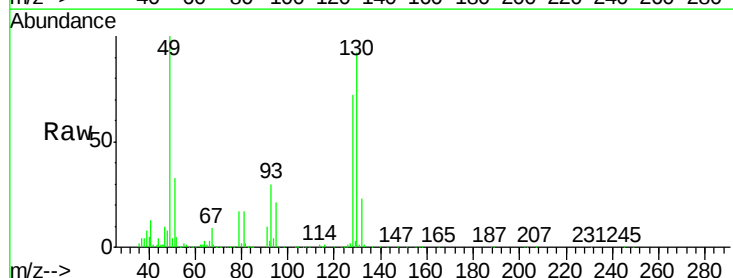
MMDadoda
12/11/2018 10:54:12 AM

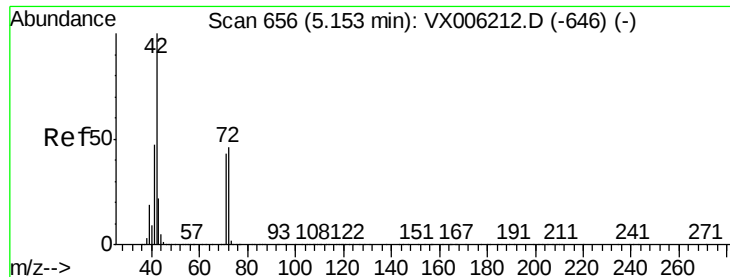


#28

Bromochloromethane
Concen: 21.136 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81755		
129	3.1	0.0	5.0	
130	96.4	78.3	117.5	





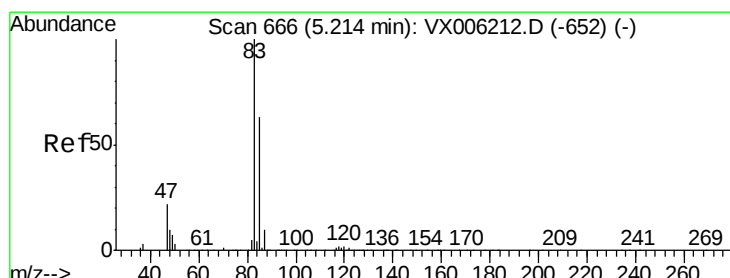
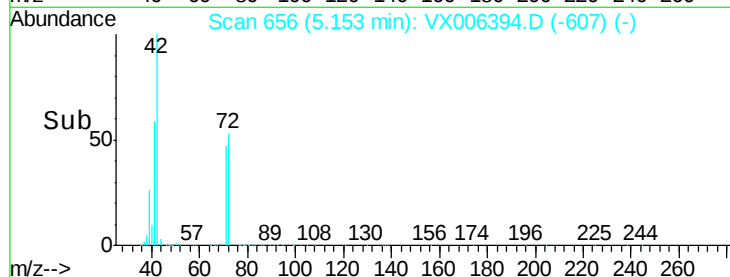
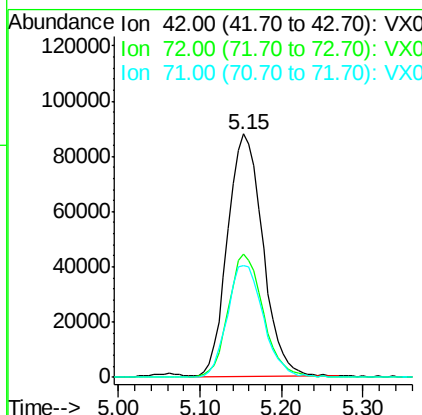
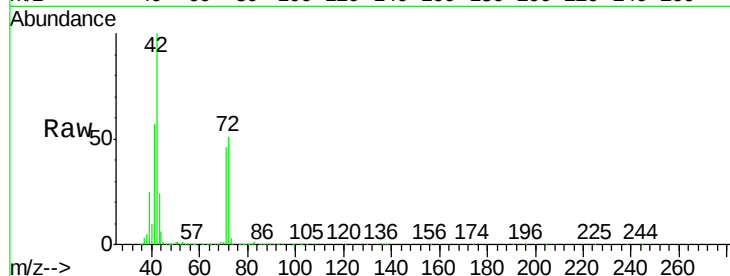
#29
Tetrahydrofuran
Concen: 99.798 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.4	37.8	56.8
71	47.2	35.2	52.8

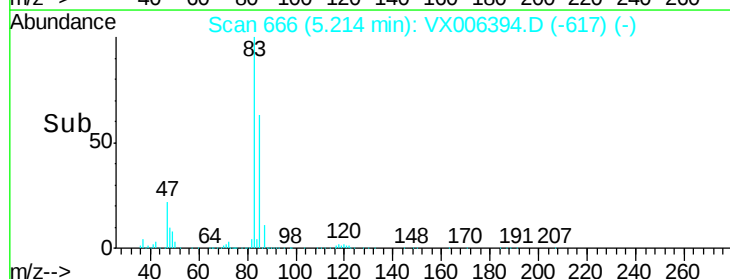
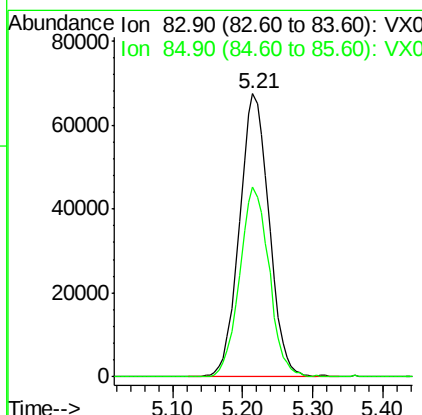
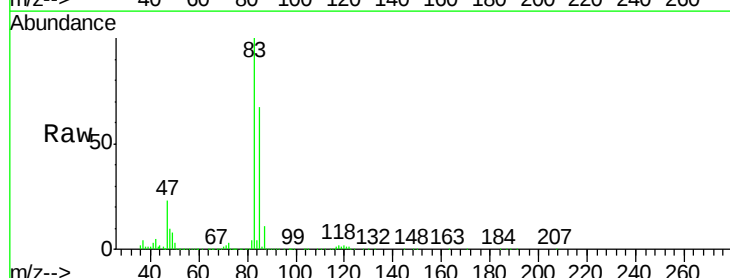
Manual Integrations
APPROVED

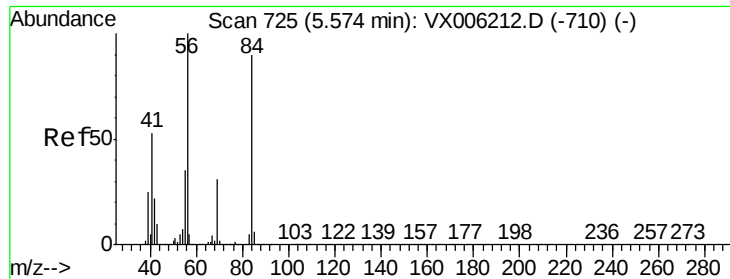
MMDadoda
12/11/2018 10:54:12 AM



#30
Chloroform
Concen: 21.321 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.3	75.5





#31

Cyclohexane

Concen: 18.479 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

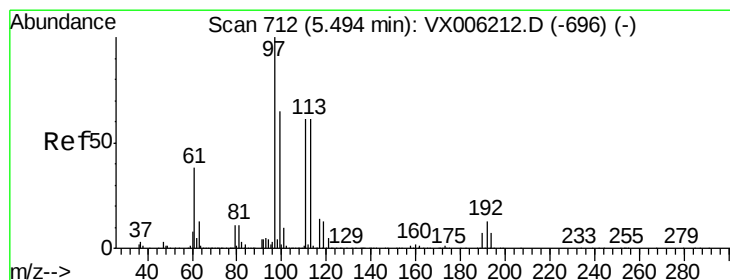
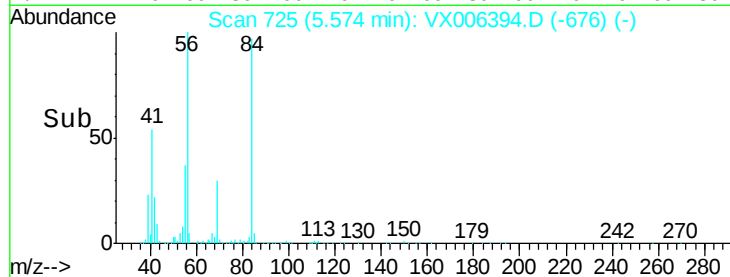
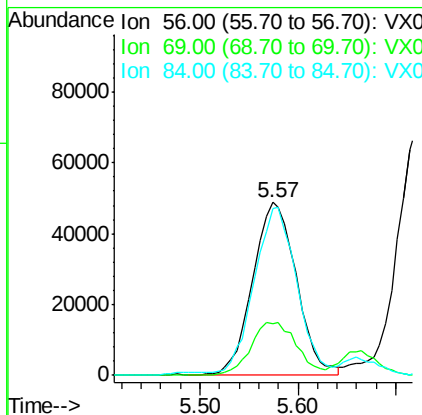
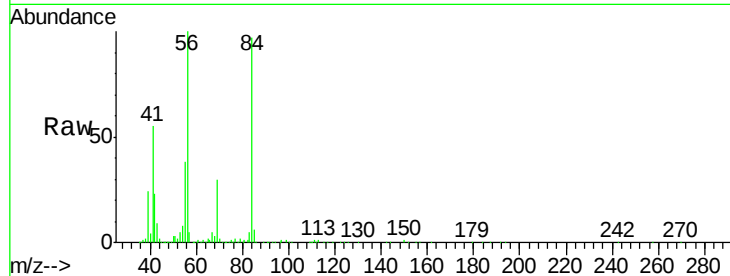
ClientSampleId :

VX1210WBSD02

Tot Ion:	56	Resp:	151231
Ion Ratio		Lower	Upper
56	100		
69	29.4	24.5	36.7
84	95.0	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#32

1,1,1-Trichloroethane

Concen: 20.111 ug/l

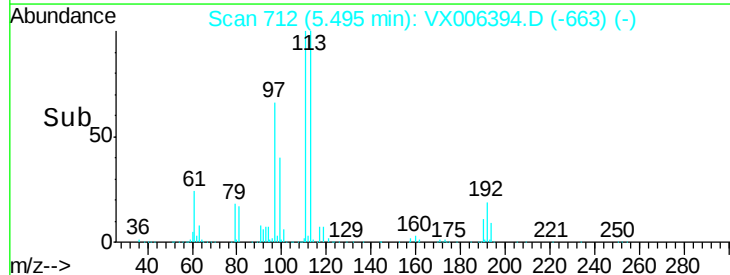
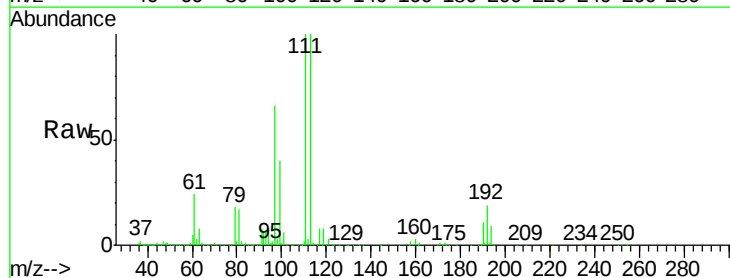
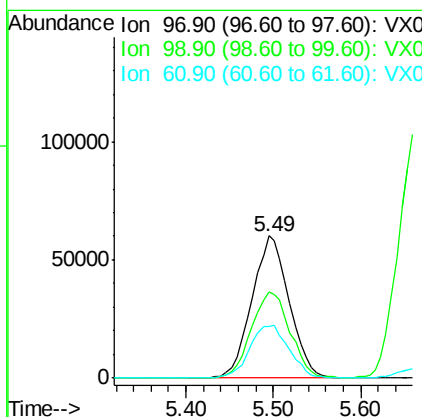
RT: 5.49 min Scan# 712

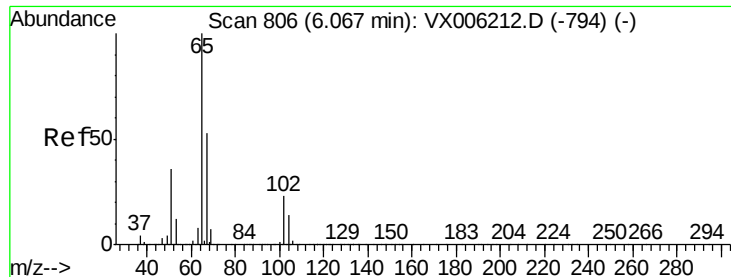
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	97	Resp:	178072
Ion Ratio		Lower	Upper
97	100		
99	63.1	51.6	77.4
61	38.5	30.6	46.0





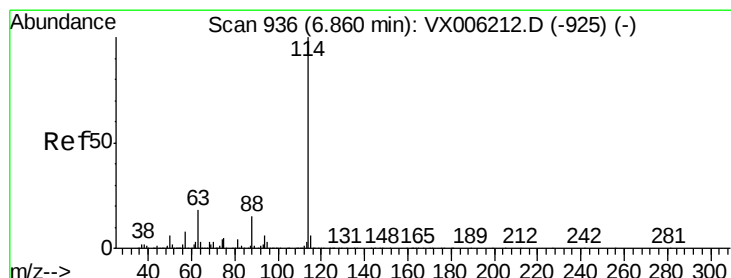
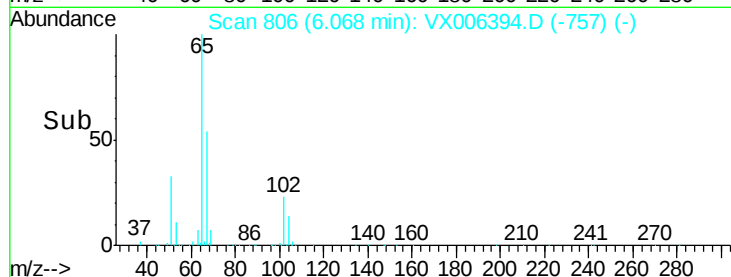
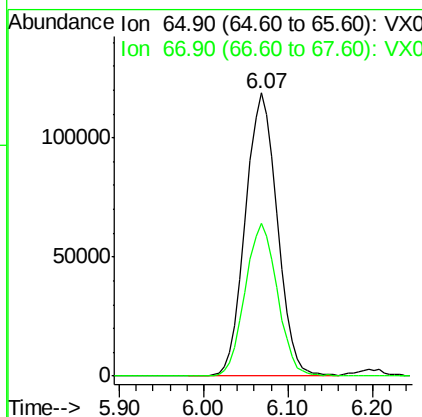
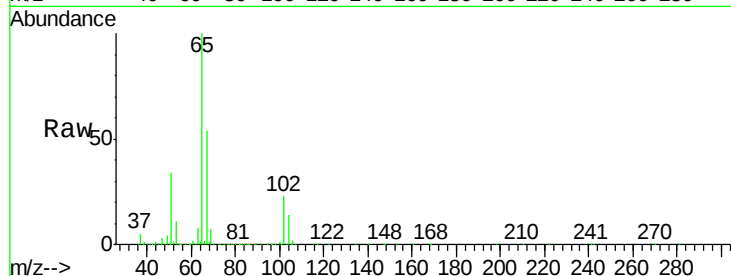
#33
 1,2-Dichloroethane-d4
 Concen: 53.965 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	305701		
67	54.3	0.0	107.2	

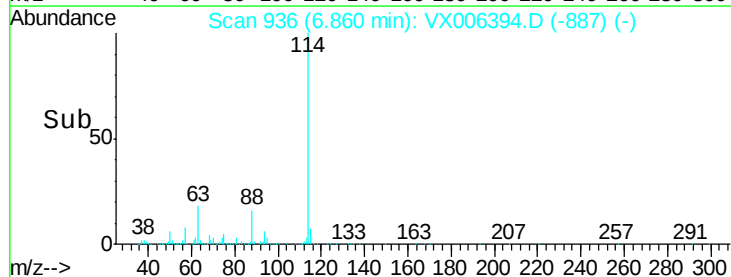
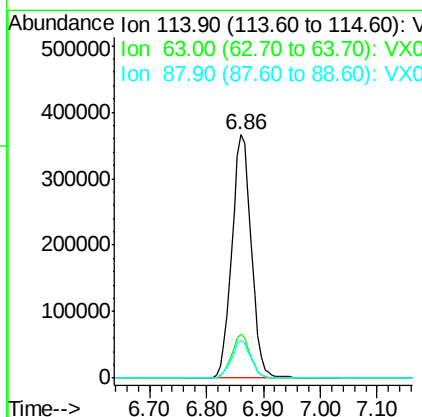
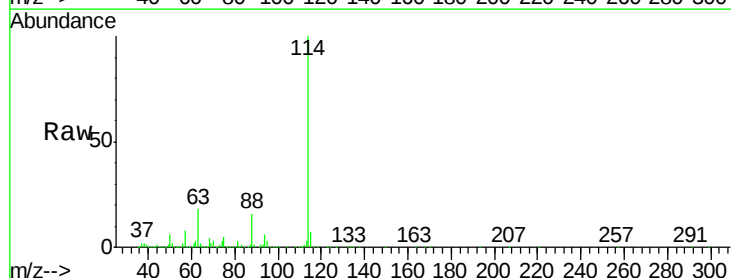
Manual Integrations
 APPROVED

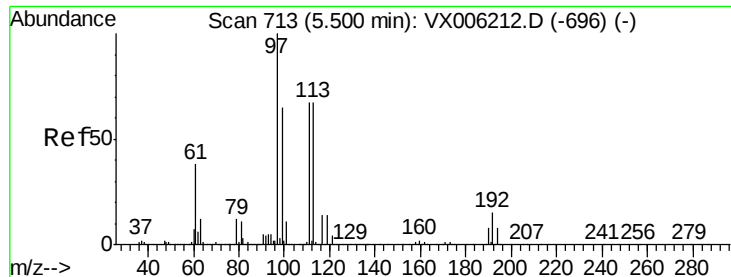
MMDadoda
 12/11/2018 10:54:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	874636		
63	18.1	0.0	36.6	
88	15.7	0.0	29.0	





#35

Dibromofluoromethane

Concen: 51.036 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

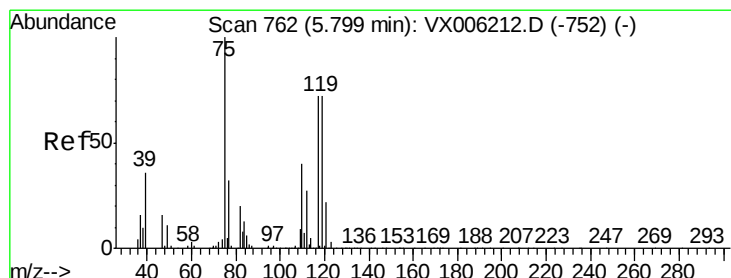
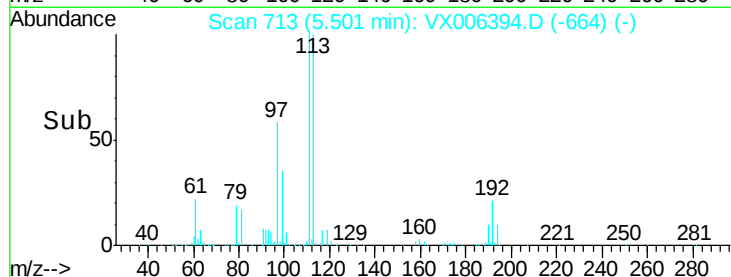
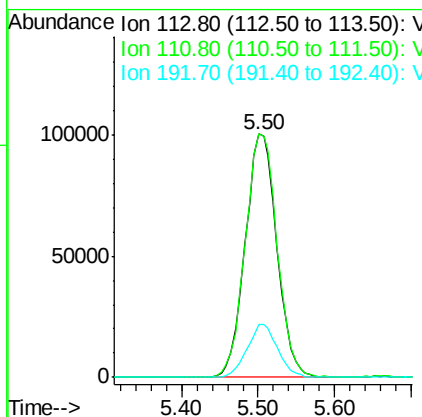
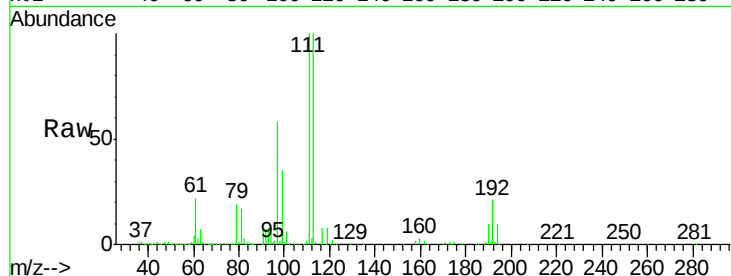
ClientSampleId :

VX1210WBSD02

Tot Ion:	113	Resp:	289015
Ion Ratio	Lower	Upper	
113	100		
111	101.0	81.1	121.7
192	20.9	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#36

1,1-Dichloropropene

Concen: 18.309 ug/l

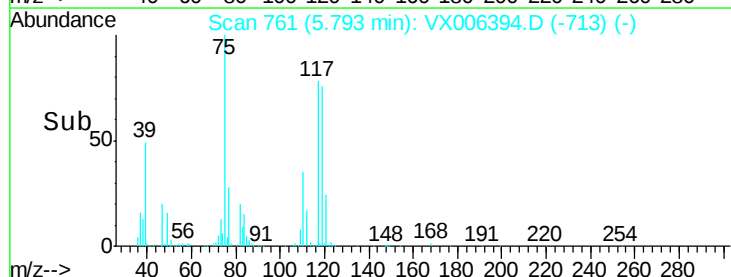
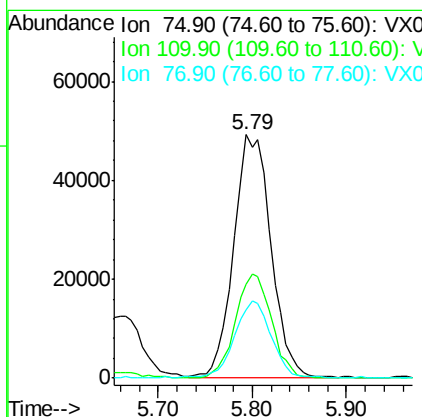
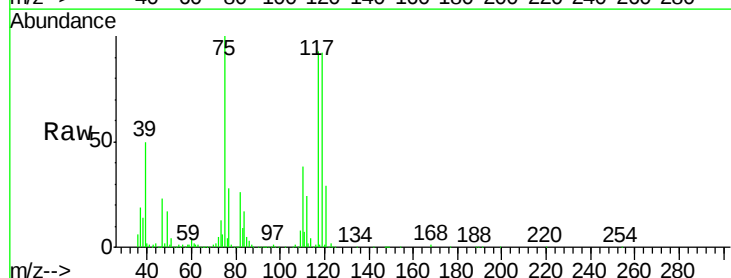
RT: 5.79 min Scan# 761

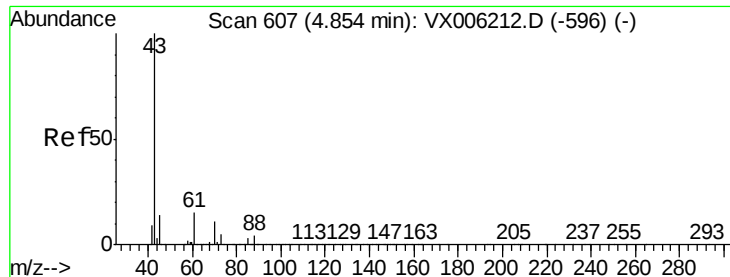
Delta R.T. -0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	75	Resp:	134853
Ion Ratio	Lower	Upper	
75	100		
110	41.3	20.4	61.3
77	31.1	24.9	37.3





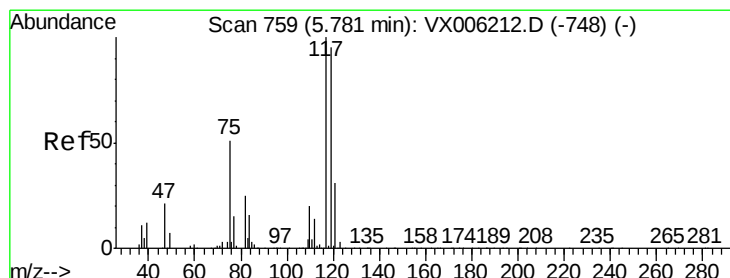
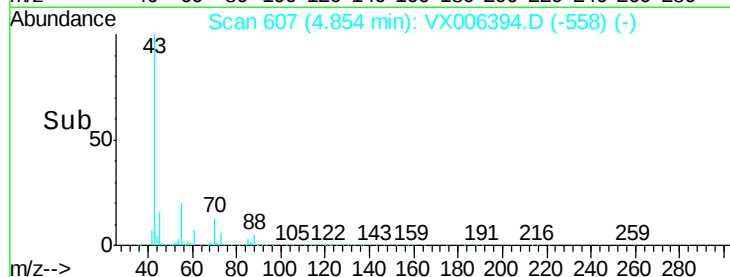
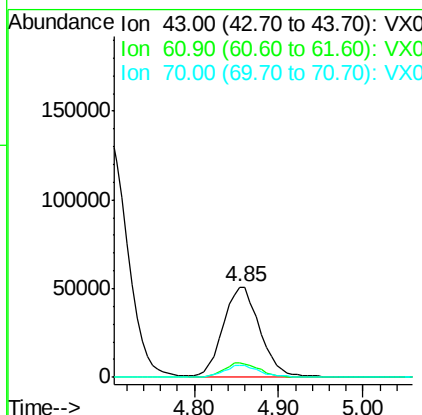
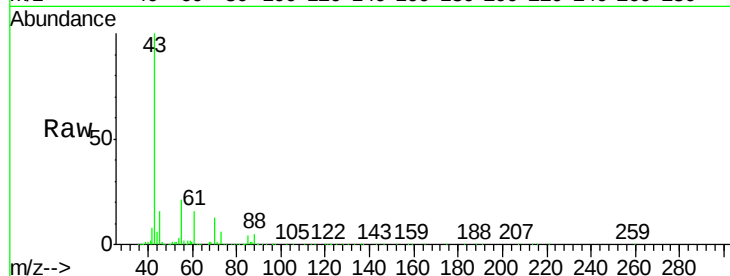
#37
Ethyl Acetate
Concen: 18.120 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	43	Resp	149455
Ion Ratio	Lower	Upper	
43	100		
61	15.4	11.5	17.3
70	13.1	9.0	13.6

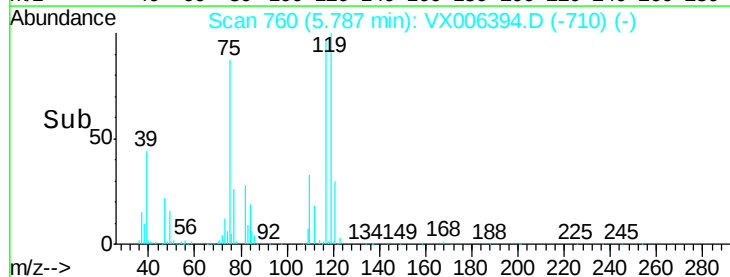
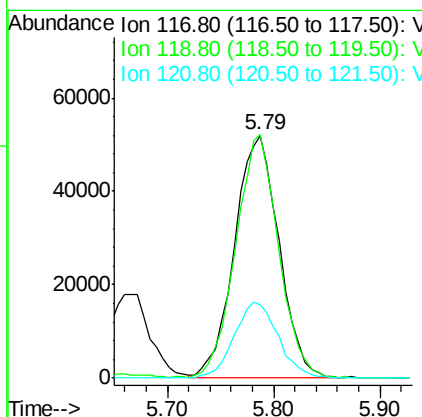
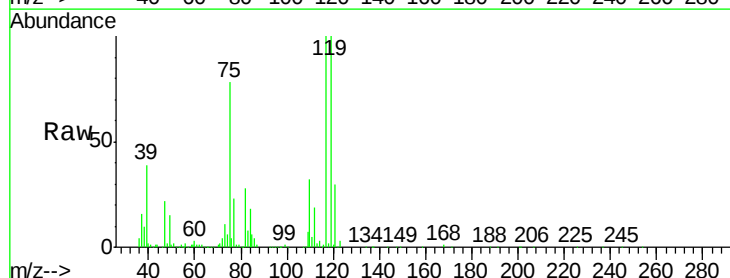
Manual Integrations
APPROVED

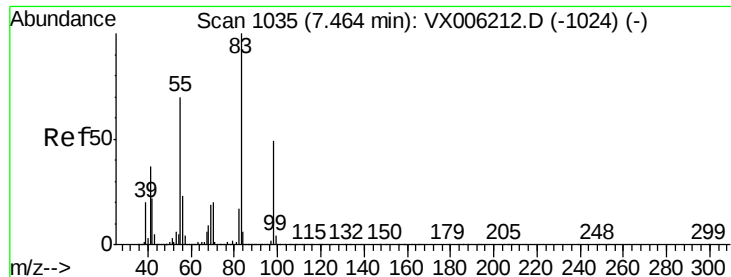
MMDadoda
12/11/2018 10:54:12 AM



#38
Carbon Tetrachloride
Concen: 17.461 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	117	Resp	151293
Ion Ratio	Lower	Upper	
117	100		
119	100.5	75.8	113.8
121	30.4	24.6	37.0





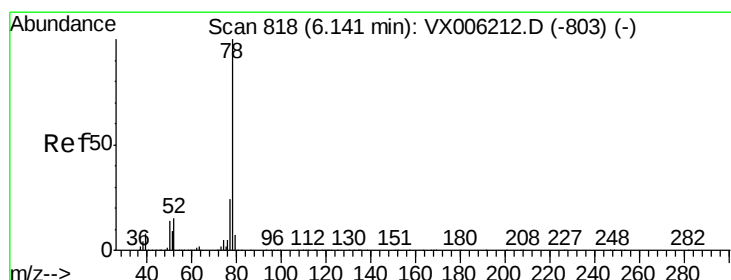
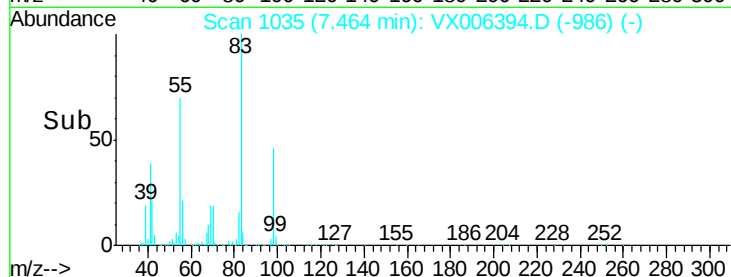
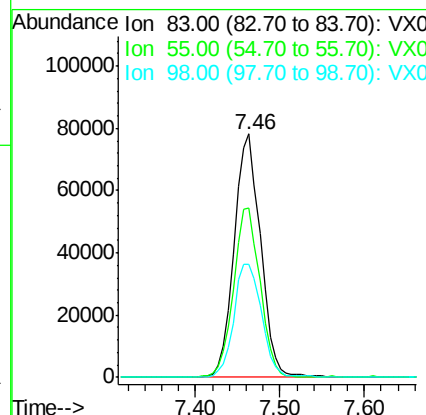
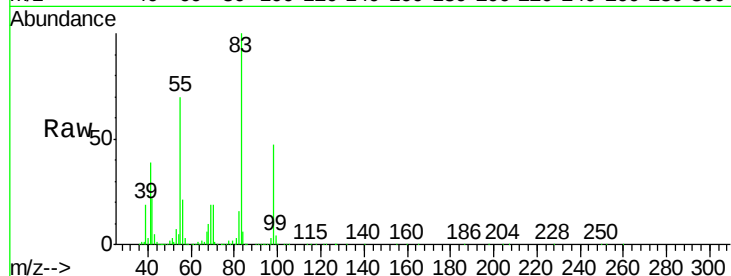
#39
Methvlcvclohexane
Concen: 17.331 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	56.4	84.6
98	46.6	39.0	58.6

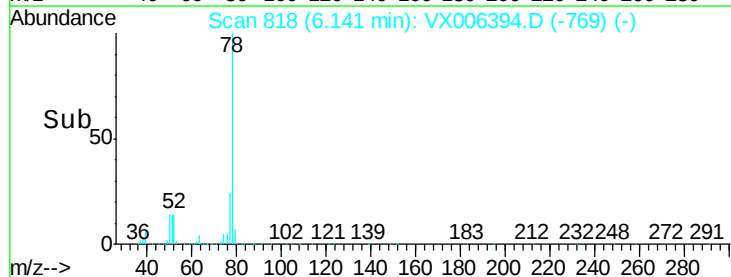
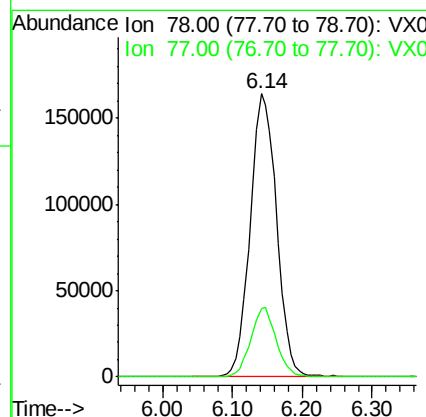
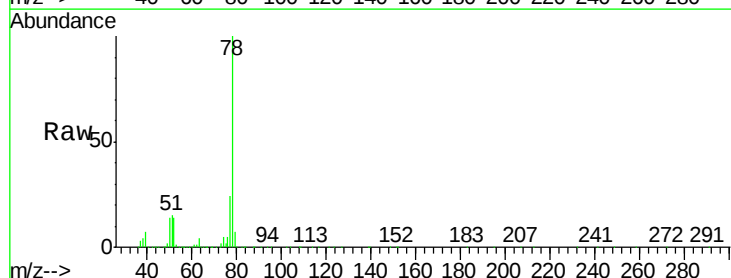
Manual Integrations
APPROVED

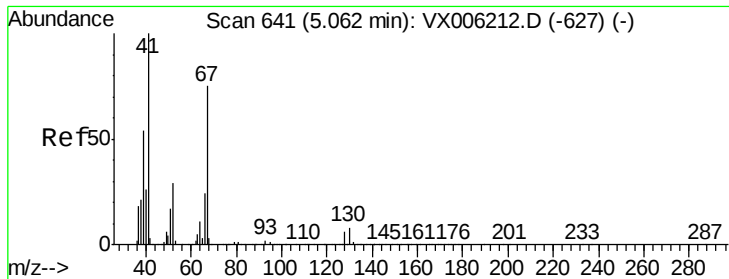
MMDadoda
12/11/2018 10:54:12 AM



#40
Benzene
Concen: 19.523 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





#41

Methacrylonitrile

Concen: 18.549 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX006394.D

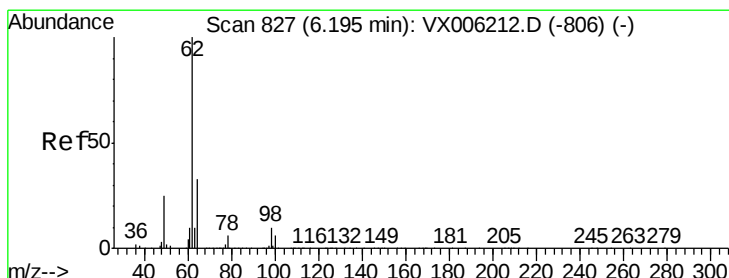
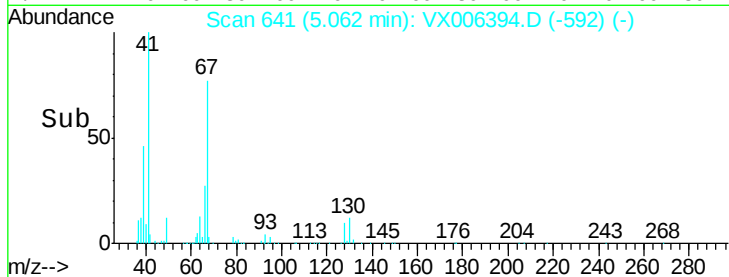
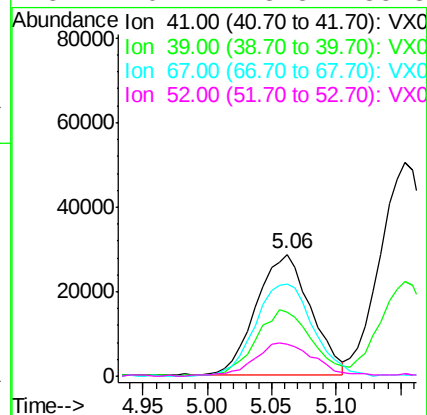
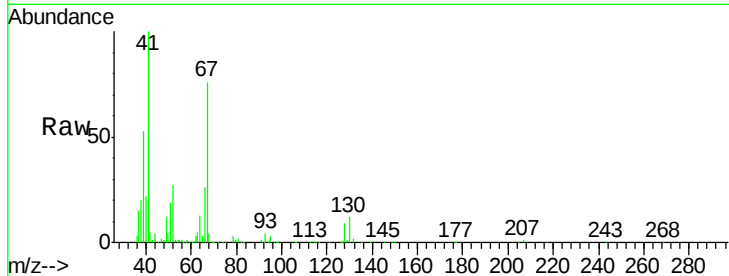
Acq: 11 Dec 2018 02:52

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.0	66.0
67	81.5	61.4	92.0
52	29.1	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#42

1,2-Dichloroethane

Concen: 20.394 ug/l

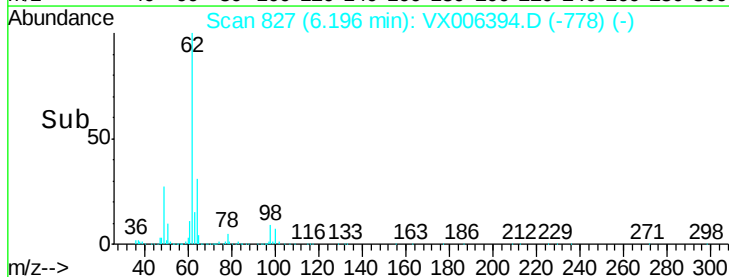
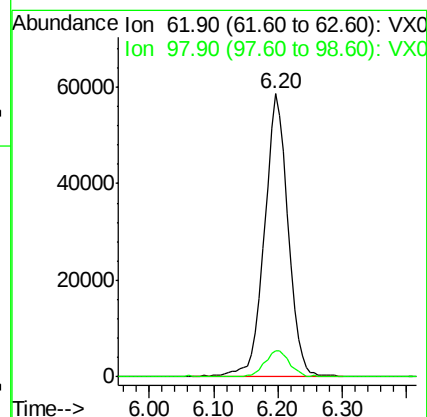
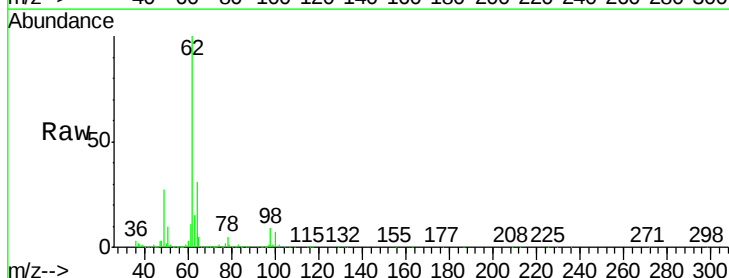
RT: 6.20 min Scan# 827

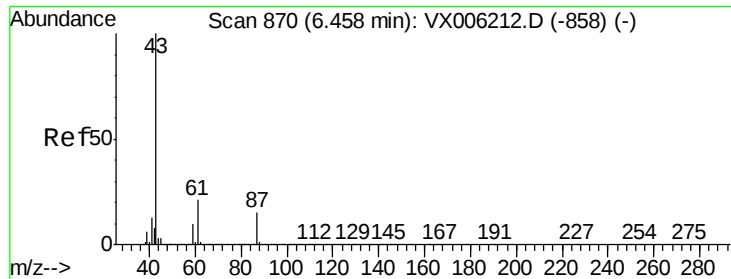
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

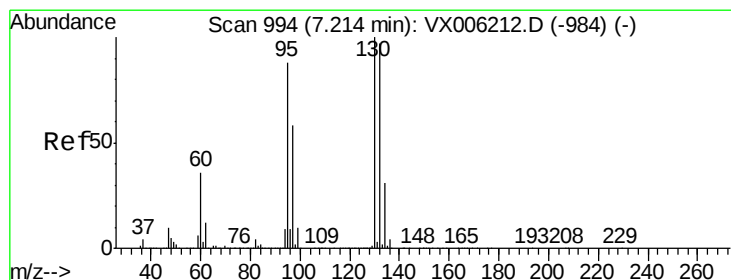
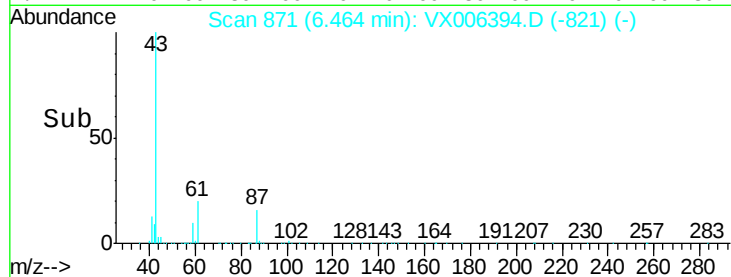
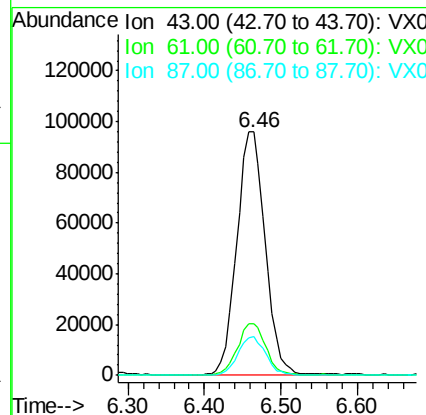
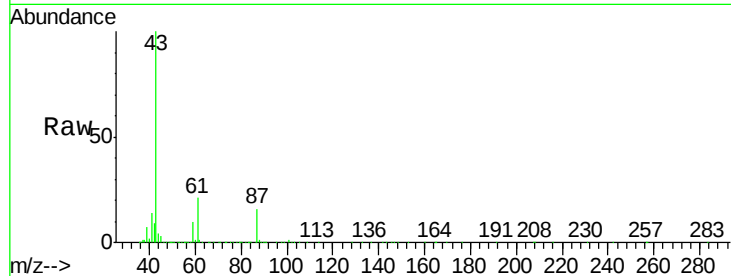
Isopropyl Acetate
 Concen: 17.898 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.8	25.2
87	15.6	11.9	17.9

Manual Integrations
 APPROVED

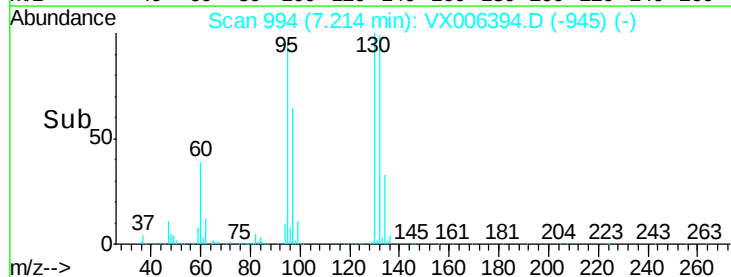
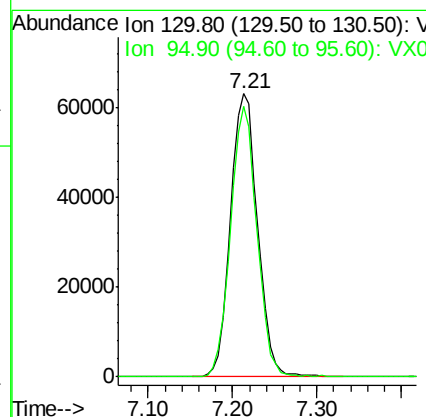
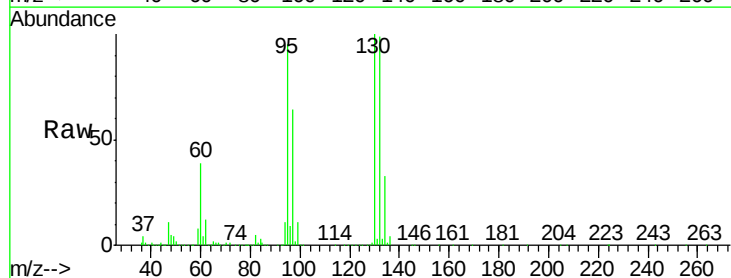
MMDadoda
 12/11/2018 10:54:12 AM

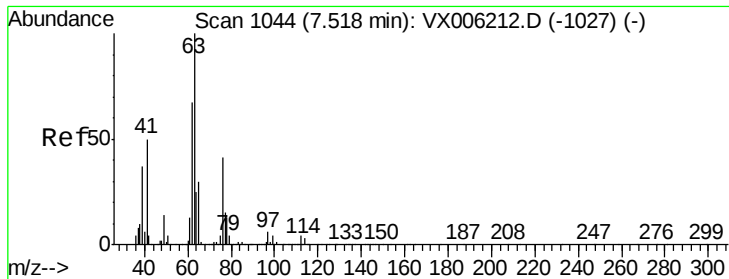


#44

Trichloroethene
 Concen: 20.658 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	175.8





#45

1,2-Dichloropropane

Concen: 19.404 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 63 Resp: 108790

Ion Ratio Lower Upper

63 100

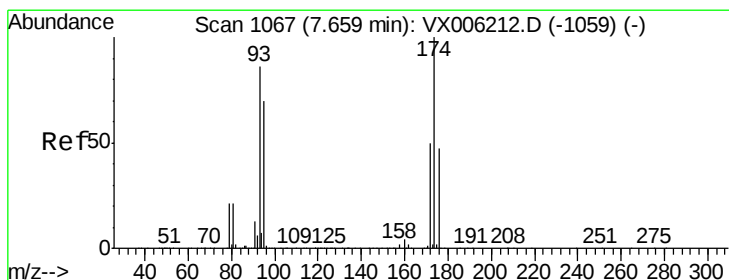
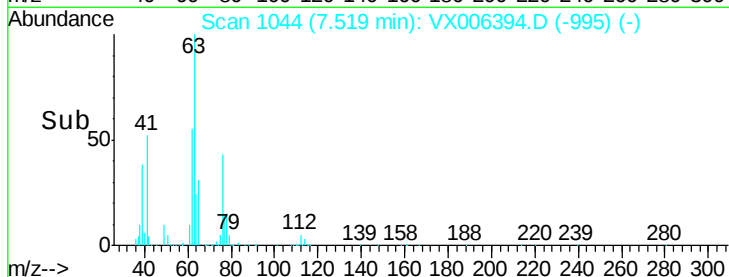
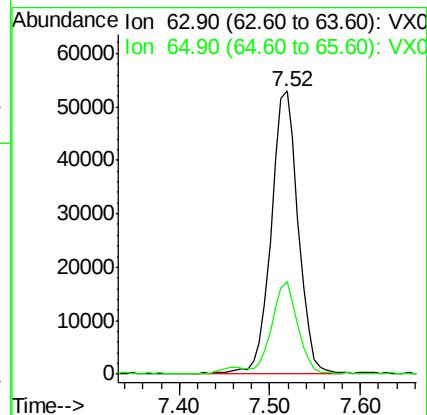
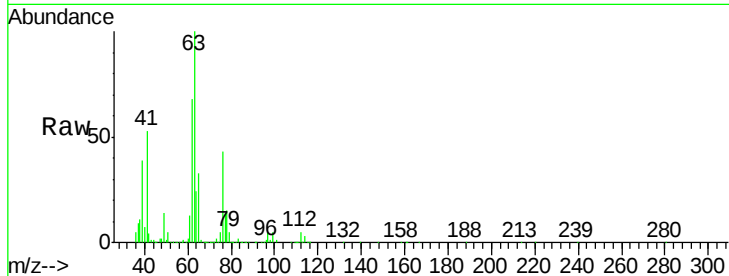
65 32.3 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:12 AM



#46

Dibromomethane

Concen: 19.302 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

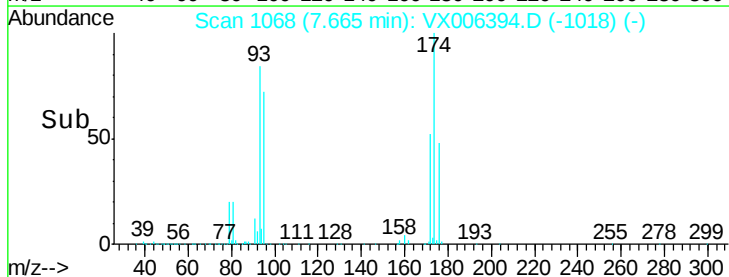
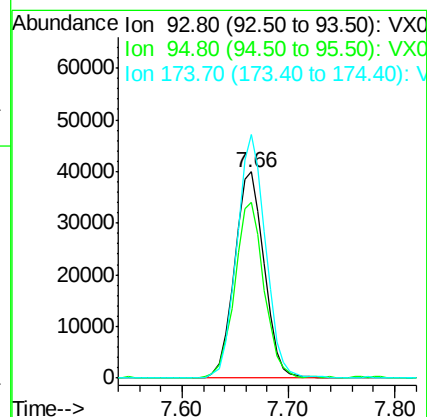
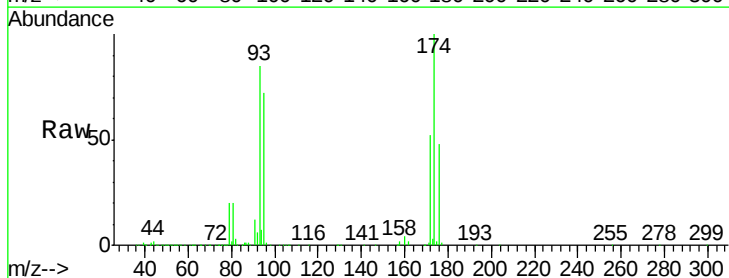
Tgt Ion: 93 Resp: 78158

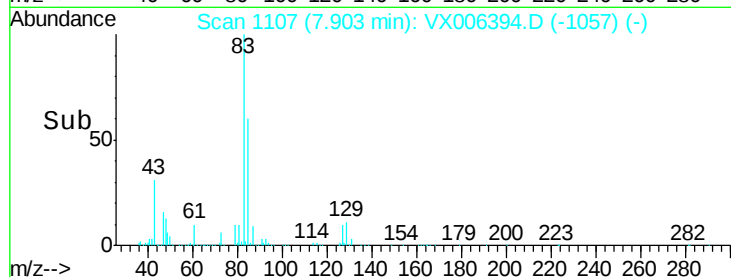
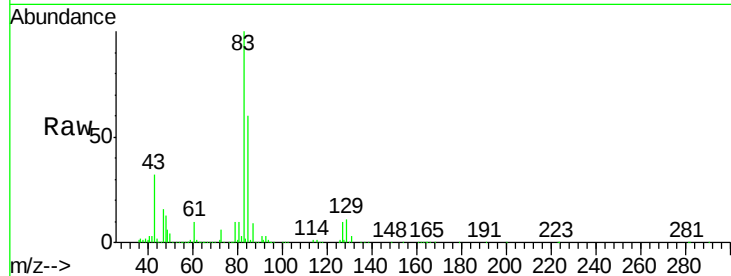
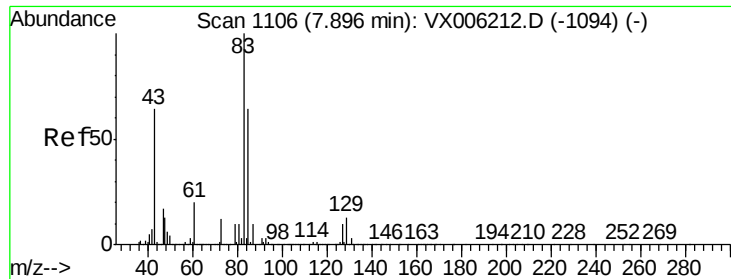
Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

174 114.7 97.2 145.8





#47

Bromodichloromethane

Concen: 18.134 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006394.D

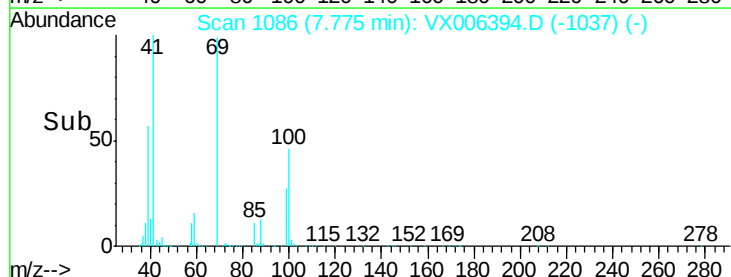
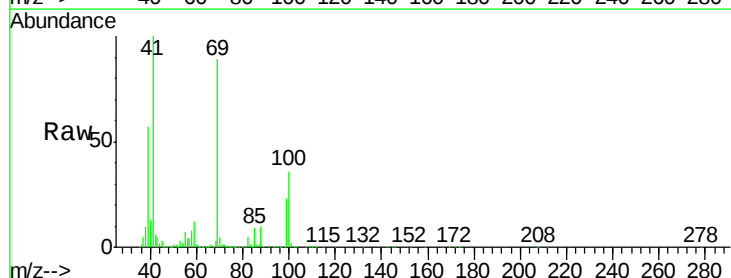
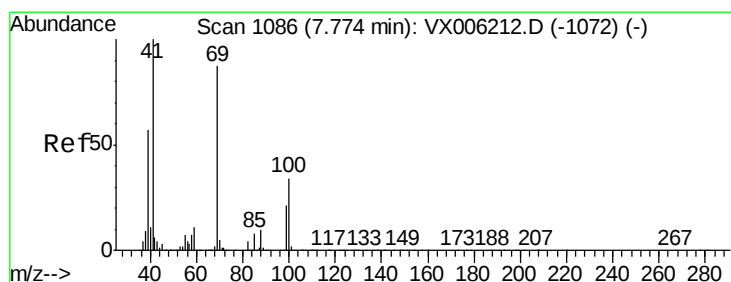
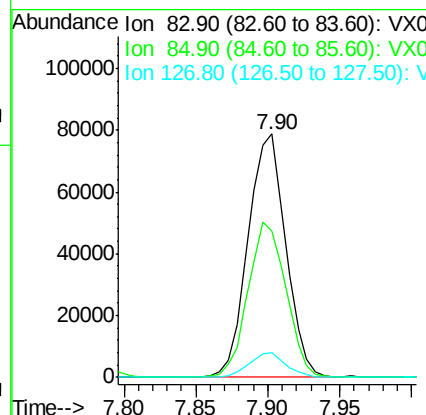
Acq: 11 Dec 2018 02:52

Tot Ion:	83	Resp:	142193
Ion Ratio	Lower	Upper	
83	100		
85	60.4	51.4	77.0
127	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#48

Methyl methacrylate

Concen: 18.635 ug/l

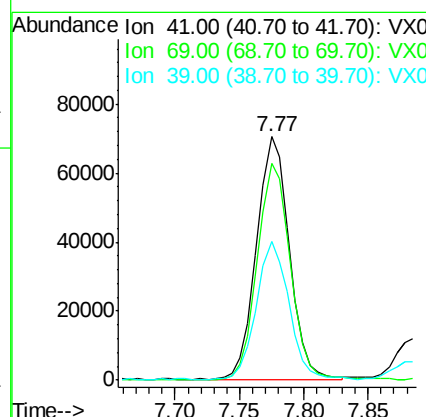
RT: 7.77 min Scan# 1086

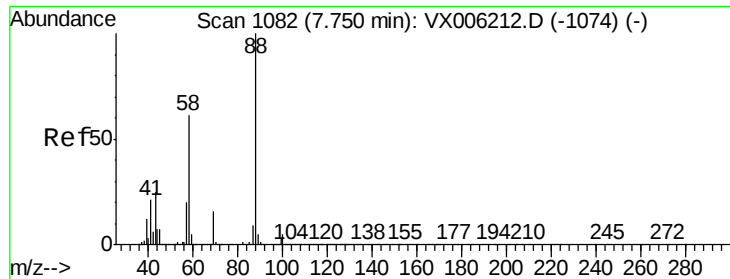
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	41	Resp:	124672
Ion Ratio	Lower	Upper	
41	100		
69	89.0	70.3	105.5
39	56.0	45.3	67.9





#49

1,4-Dioxane

Concen: 399.760 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

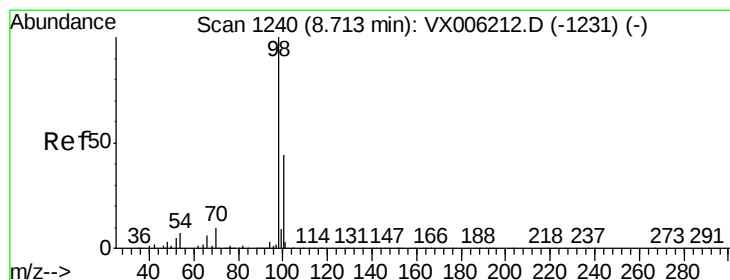
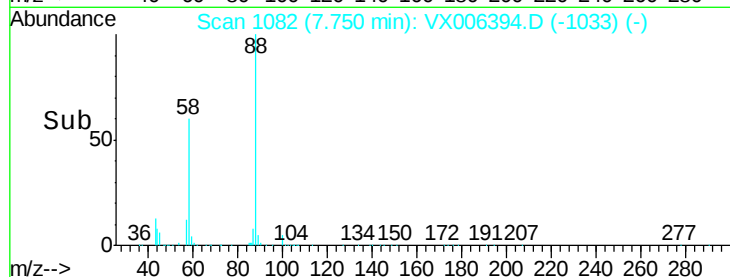
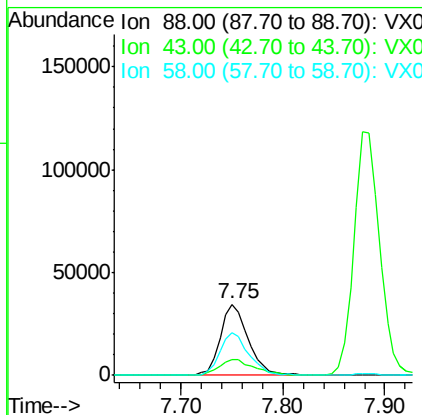
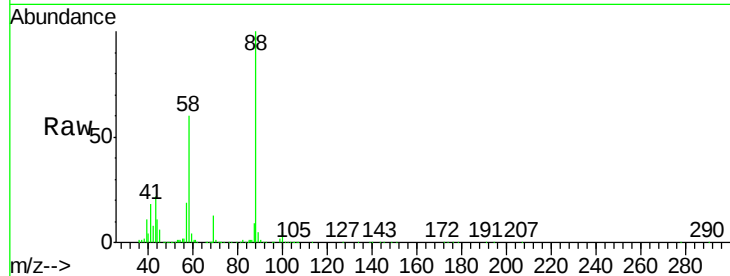
ClientSampleId :

VX1210WBSD02

Tot Ion:	88	Resp:	65917
Ion	Ratio	Lower	Upper
88	100		
43	26.8	23.2	34.8
58	62.4	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#50

Toluene-d8

Concen: 50.160 ug/l

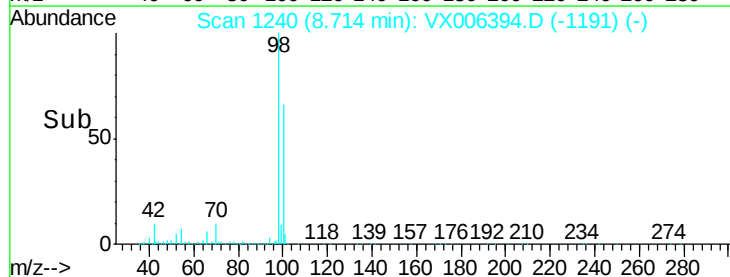
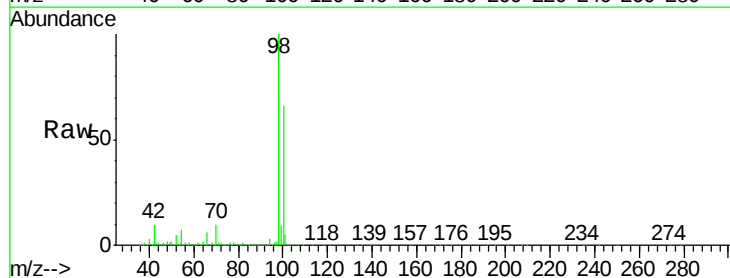
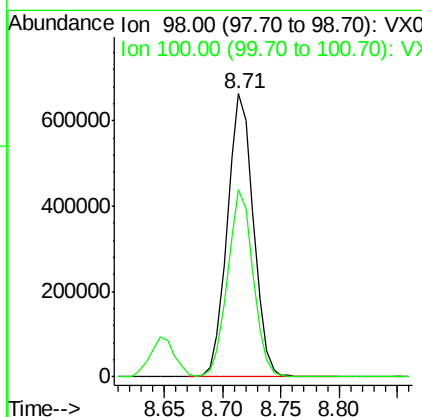
RT: 8.71 min Scan# 1240

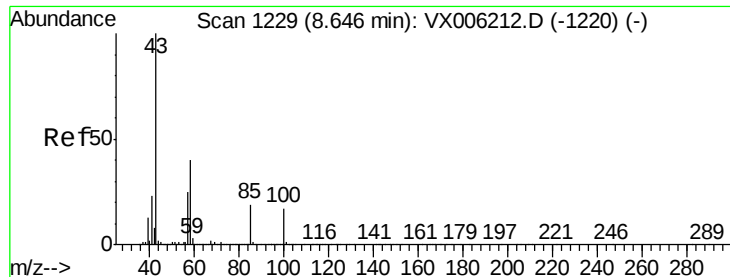
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	98	Resp:	1033220
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





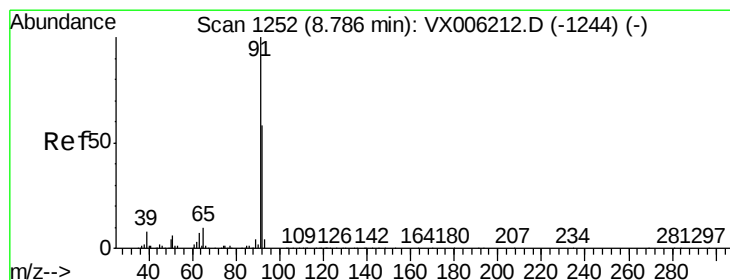
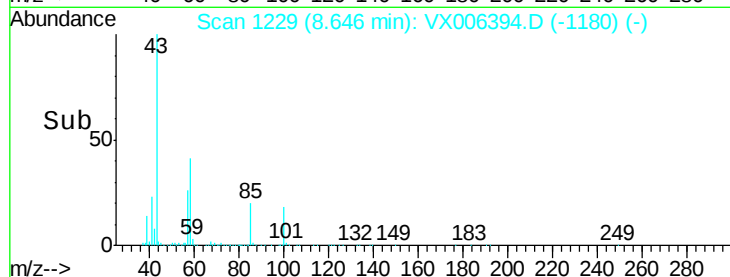
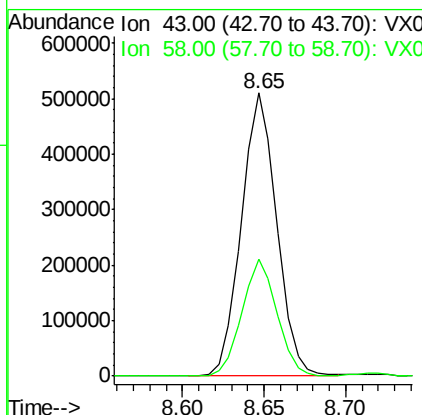
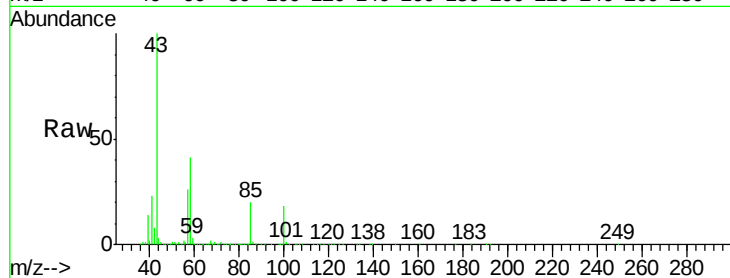
#51
4-Methyl-2-Pentanone
Concen: 96.244 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.3	46.9

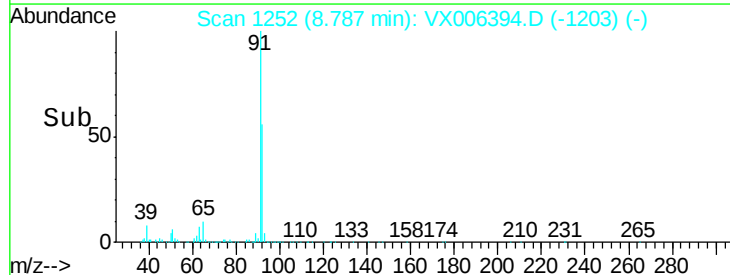
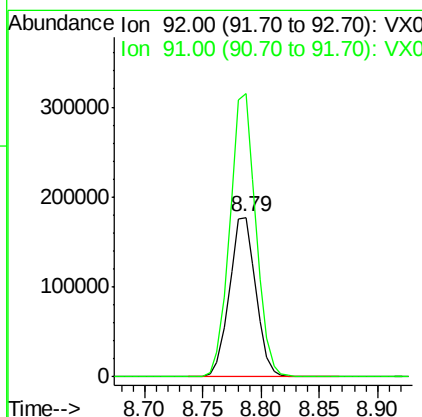
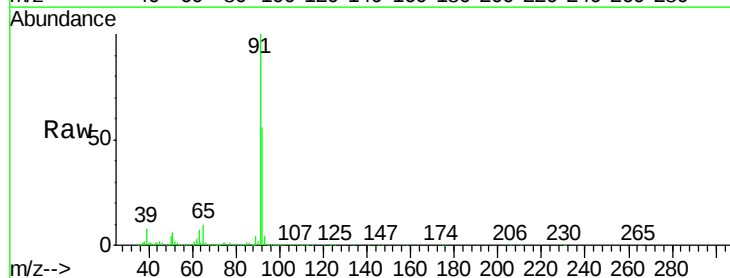
Manual Integrations
APPROVED

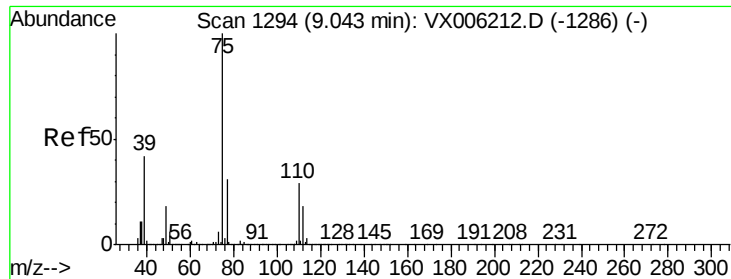
MMDadoda
12/11/2018 10:54:12 AM



#52
Toluene
Concen: 19.282 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	139.2	208.8





#53

t-1,3-Dichloropropene

Concen: 16.430 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 75 Resp: 150670

Ion Ratio Lower Upper

75 100

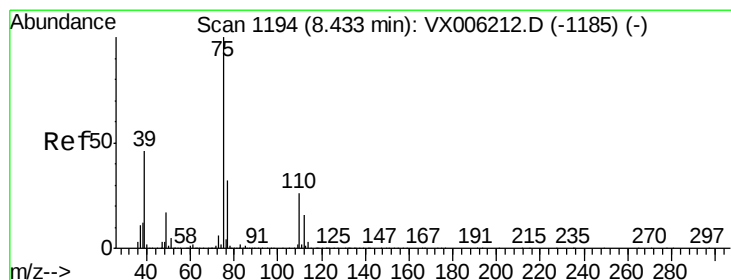
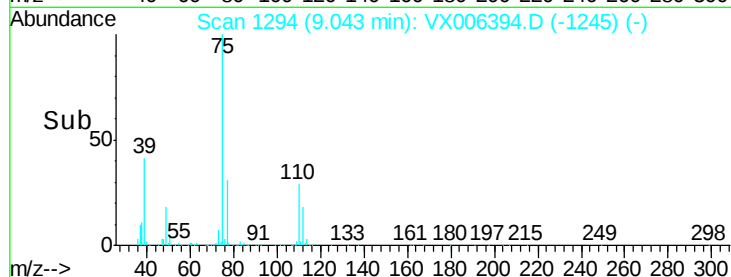
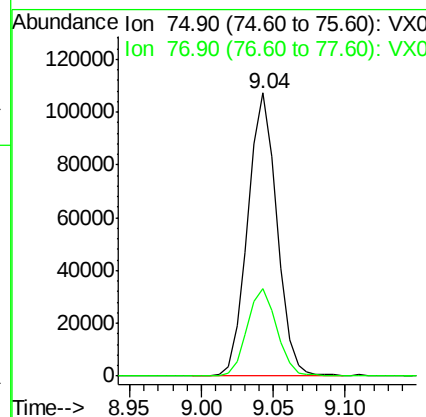
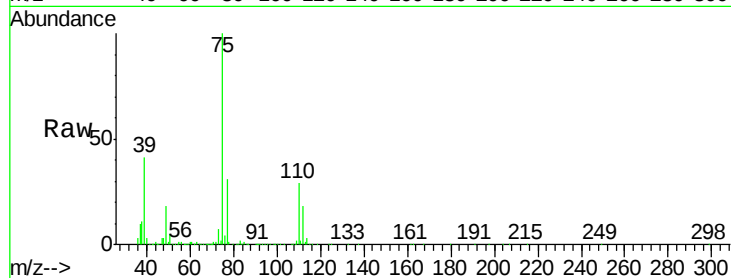
77 31.1 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:12 AM



#54

cis-1,3-Dichloropropene

Concen: 17.134 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

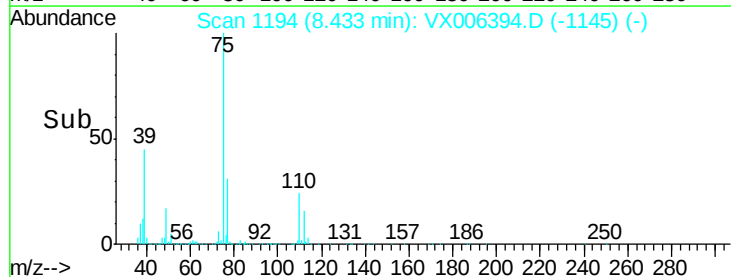
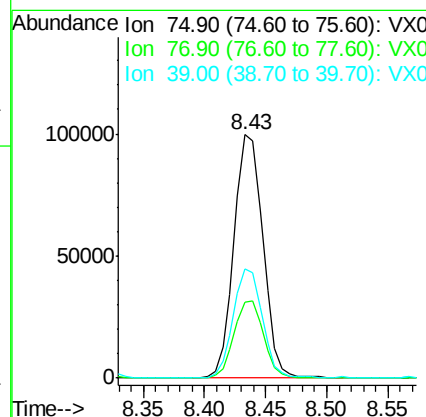
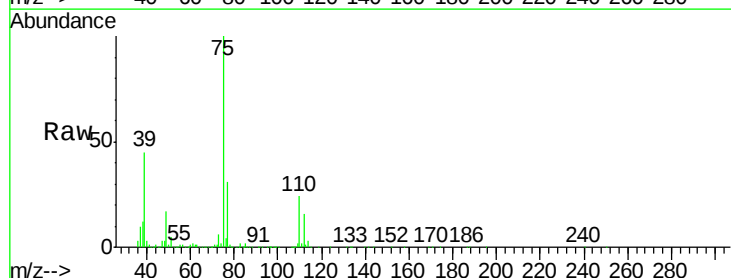
Tgt Ion: 75 Resp: 163160

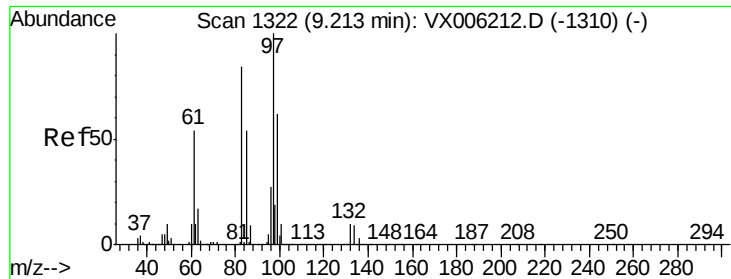
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 44.4 36.5 54.7





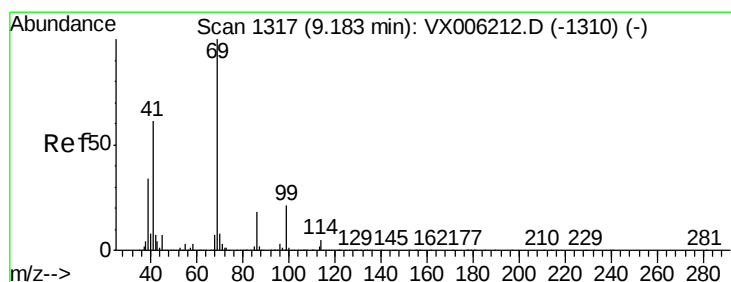
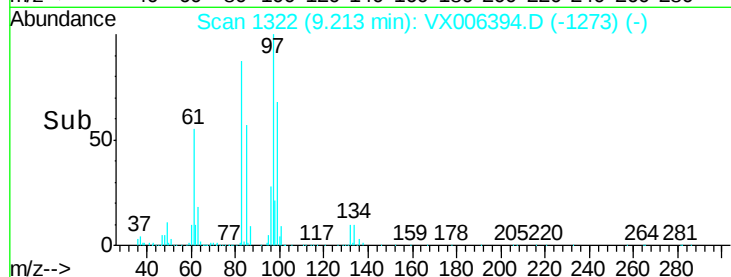
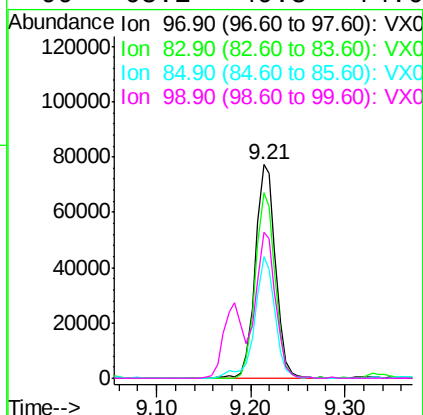
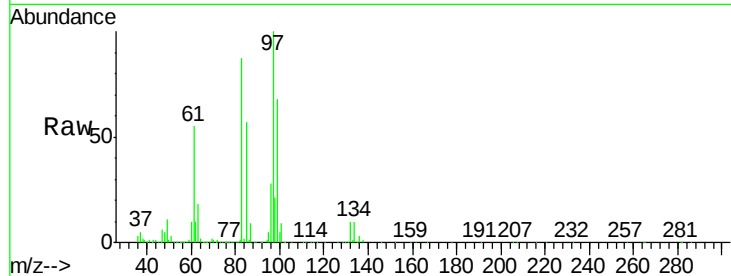
#55
1,1,2-Trichloroethane
Concen: 19.986 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion:	97	Resp:	117840
Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.1	100.7
85	57.0	43.2	64.8
99	68.1	49.8	74.6

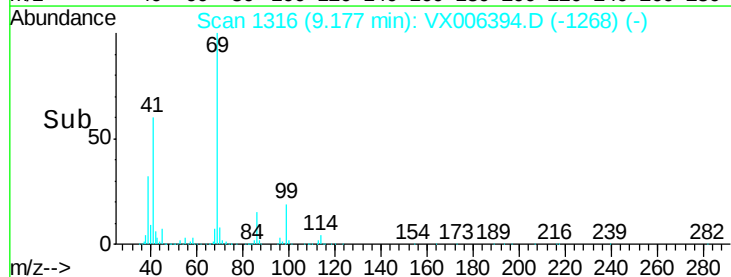
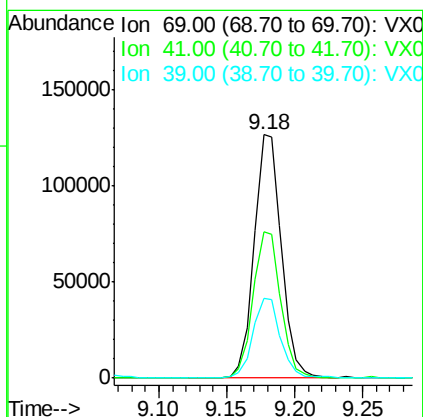
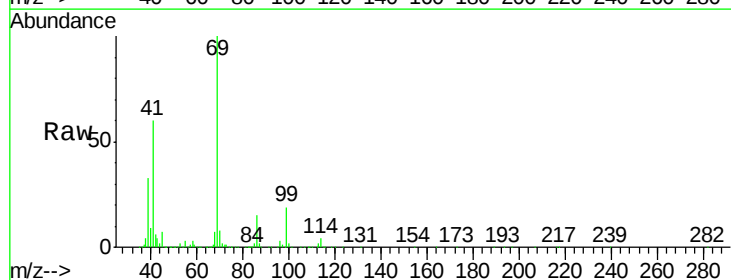
Manual Integrations
APPROVED

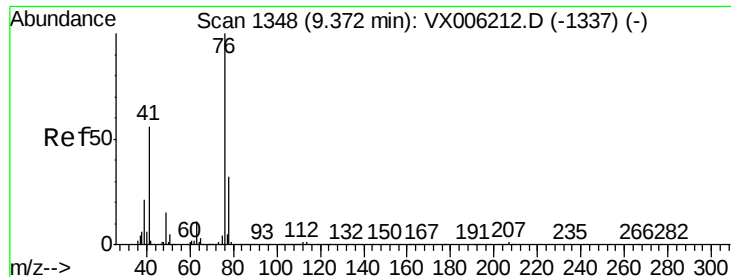
MMDadoda
12/11/2018 10:54:12 AM



#56
Ethyl methacrylate
Concen: 19.282 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion:	69	Resp:	177731
Ion	Ratio	Lower	Upper
69	100		
41	60.5	50.6	76.0
39	33.0	27.6	41.4





#57

1,3-Dichloropropane

Concen: 20.126 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 76 Resp: 187643

Ion Ratio Lower Upper

76 100

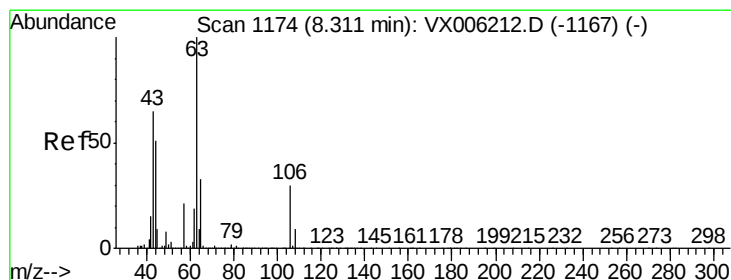
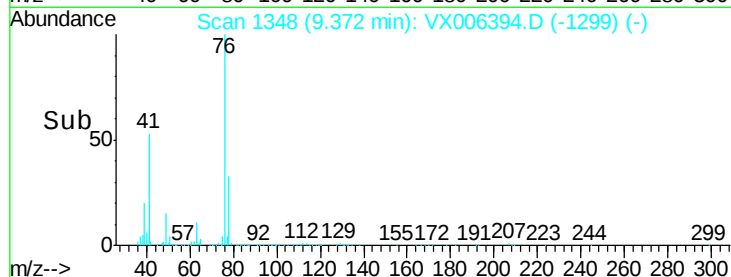
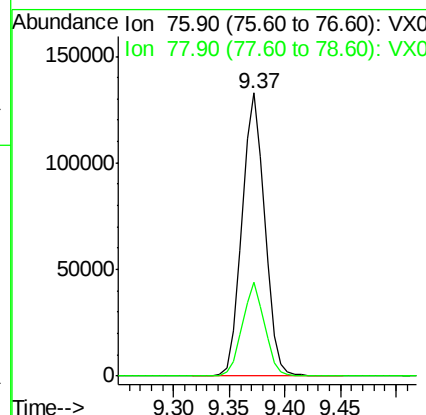
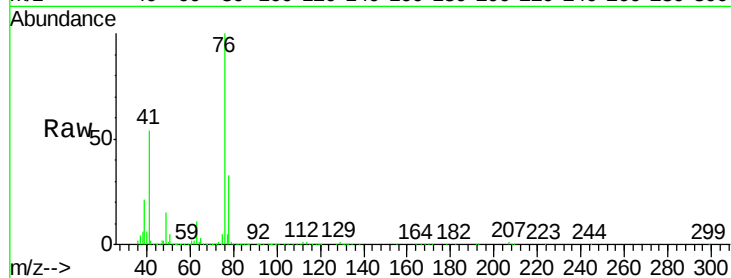
78 32.8 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

12/11/2018 10:54:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.665 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006394.D

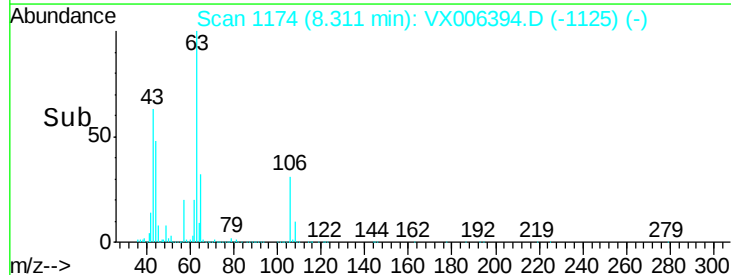
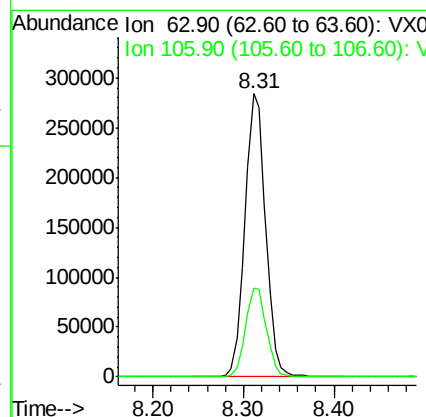
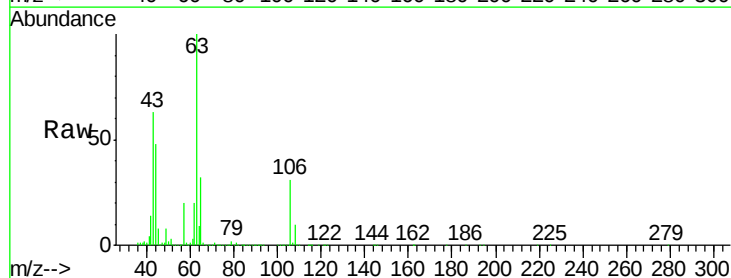
Acq: 11 Dec 2018 02:52

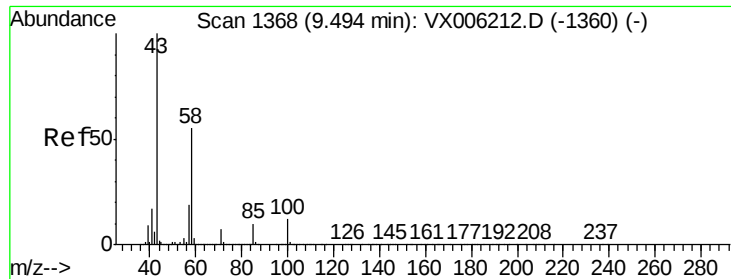
Tgt Ion: 63 Resp: 447461

Ion Ratio Lower Upper

63 100

106 31.8 24.9 37.3





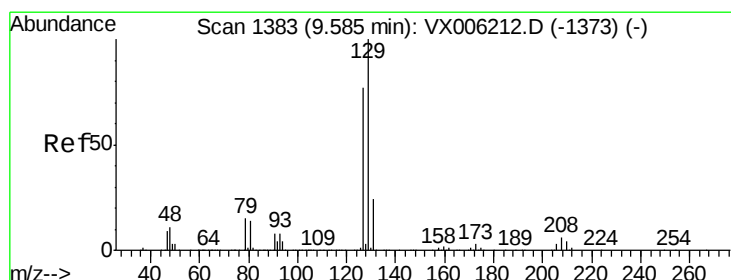
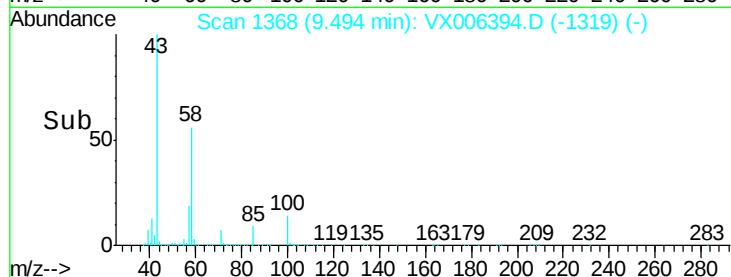
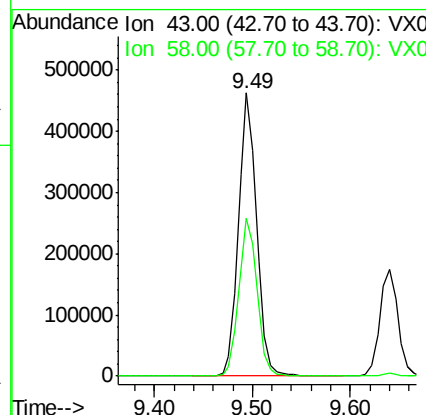
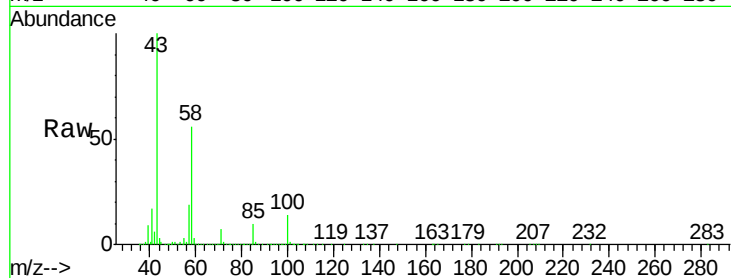
#59
2-Hexanone
Concen: 97.246 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.7	83.1

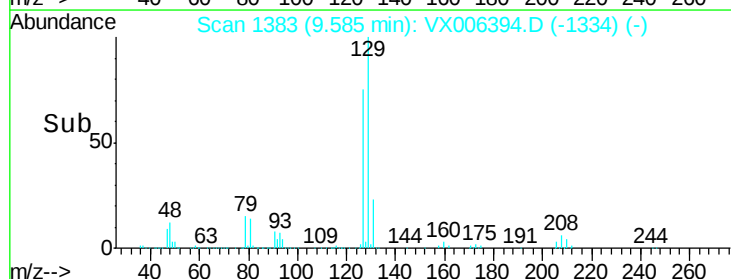
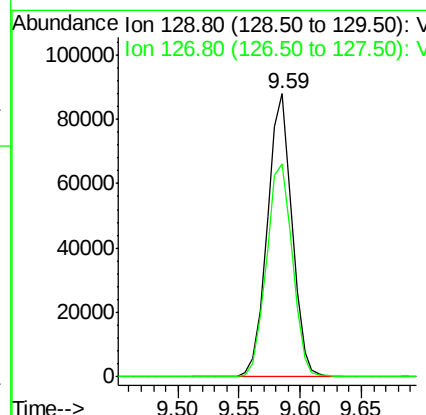
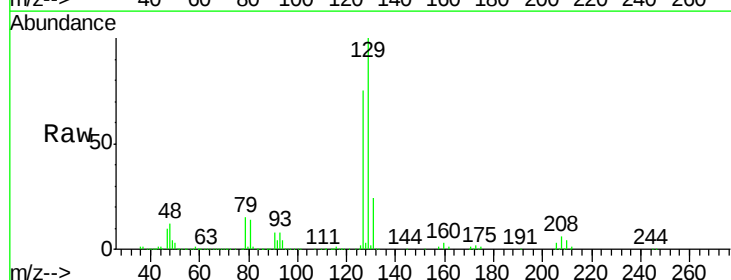
Manual Integrations
APPROVED

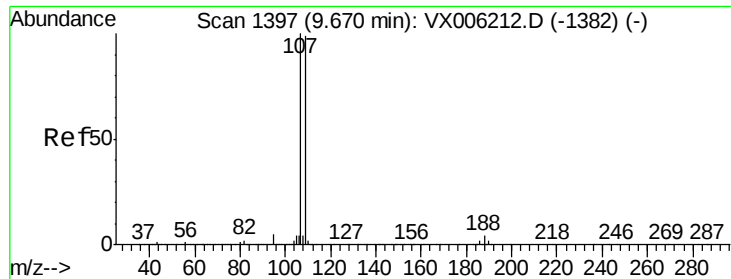
MMDadoda
12/11/2018 10:54:12 AM



#60
Dibromochloromethane
Concen: 17.010 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.6	115.8





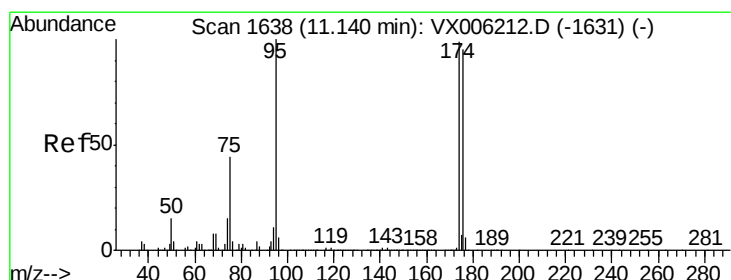
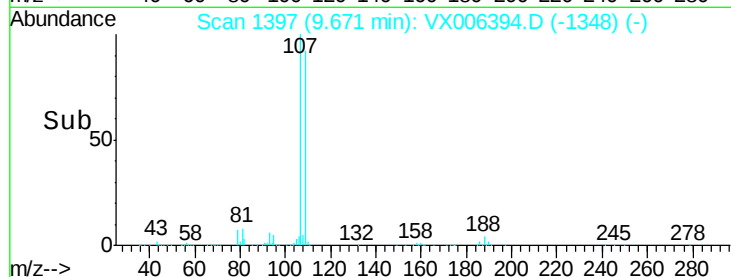
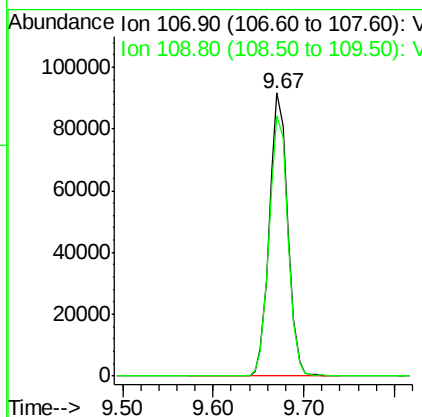
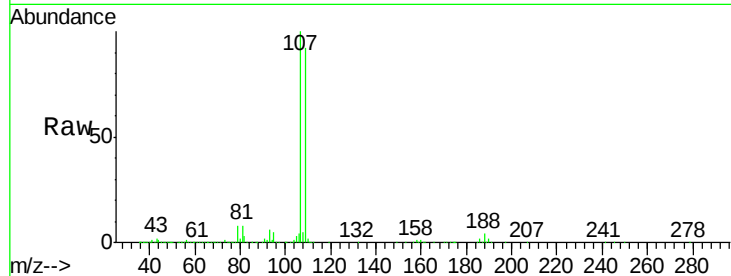
#61
 1,2-Dibromoethane
 Concen: 19.535 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.3	114.5

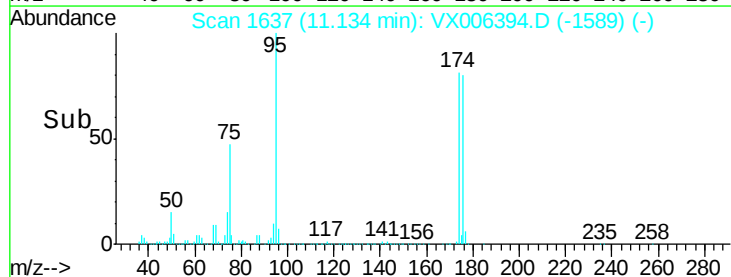
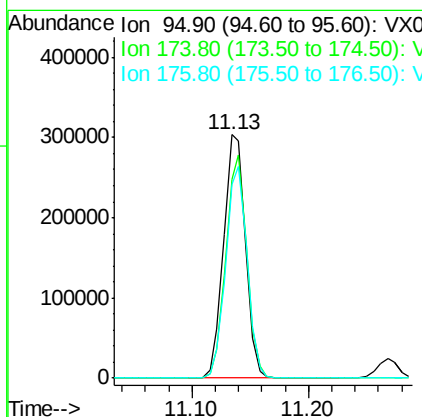
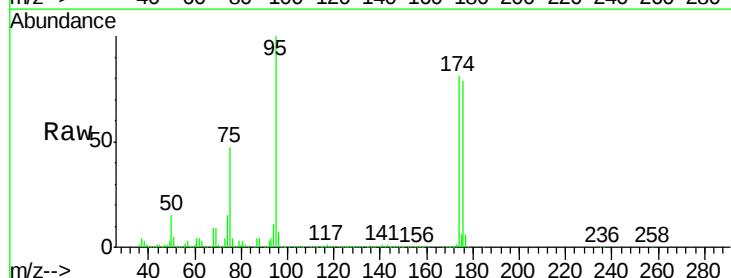
Manual Integrations
 APPROVED

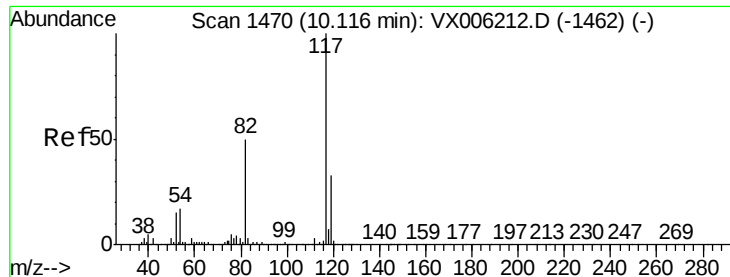
MMDadoda
 12/11/2018 10:54:12 AM



#62
 4-Bromofluorobenzene
 Concen: 50.756 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	187.0
176	85.4	0.0	181.8





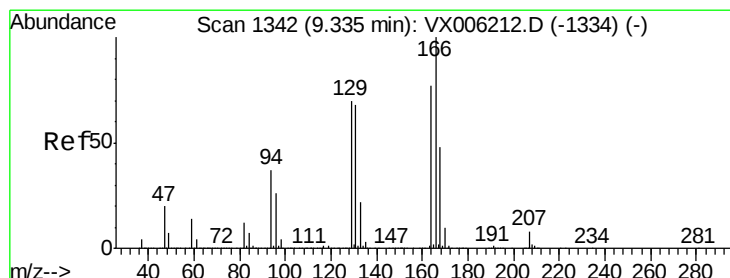
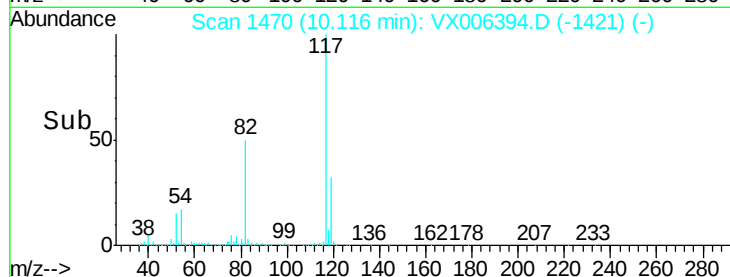
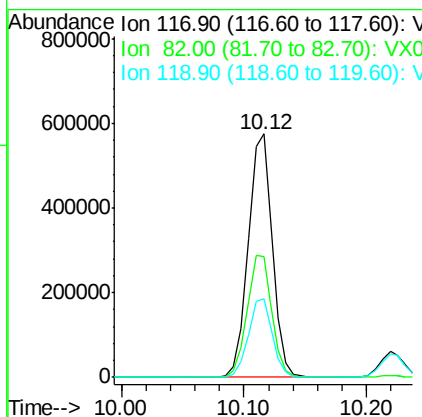
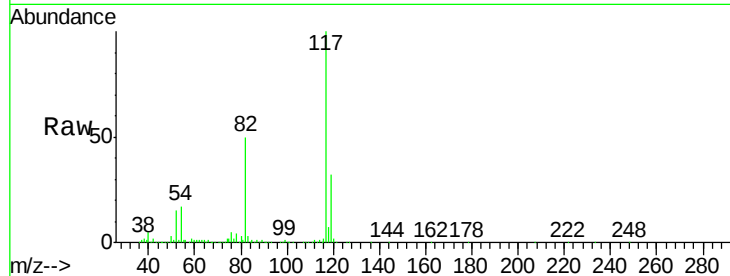
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	791201		
82	49.7	39.6	59.4	
119	32.3	26.3	39.5	

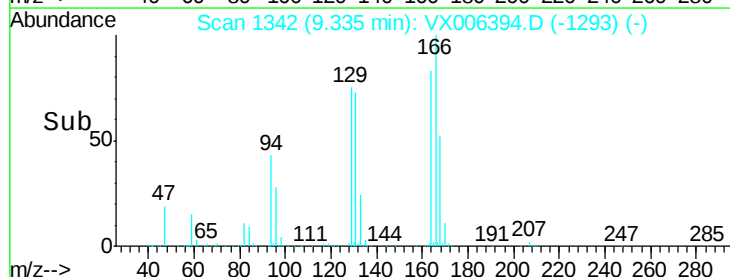
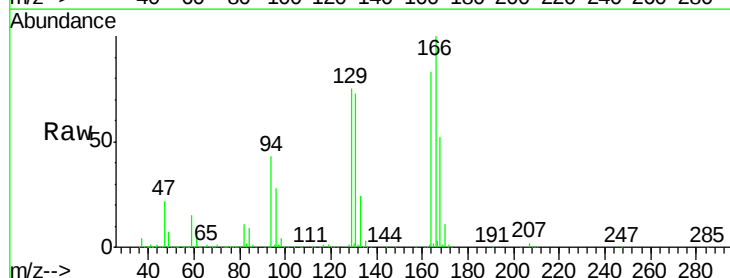
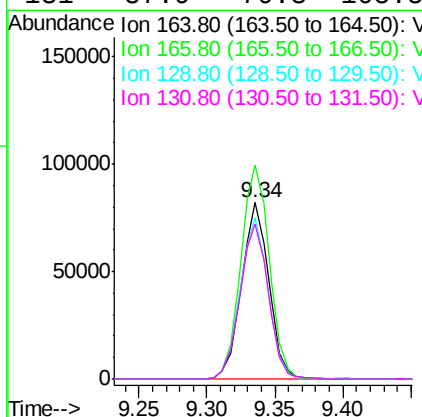
Manual Integrations
APPROVED

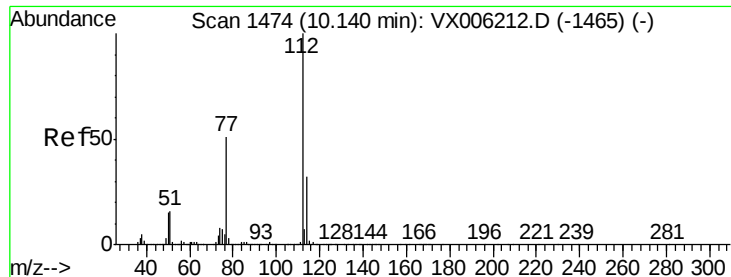
MMDadoda
12/11/2018 10:54:12 AM



#64
Tetrachloroethene
Concen: 19.259 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114755		
166	121.0	104.2	156.2	
129	91.2	72.6	108.8	
131	87.9	70.3	105.5	





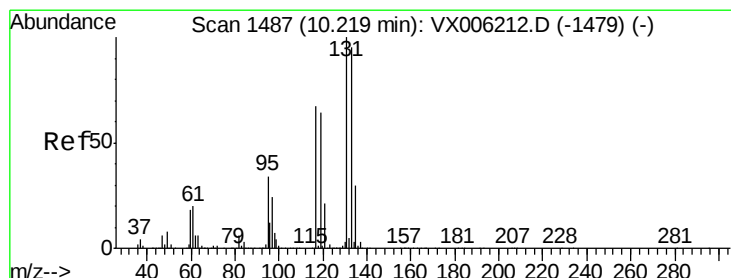
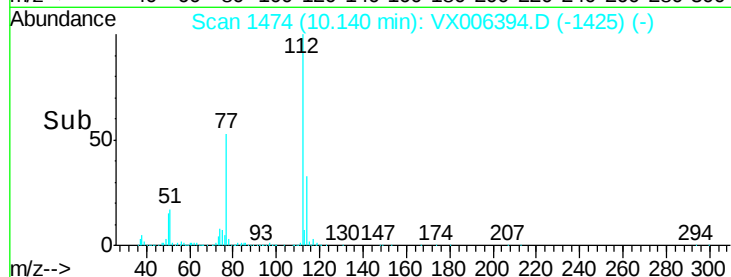
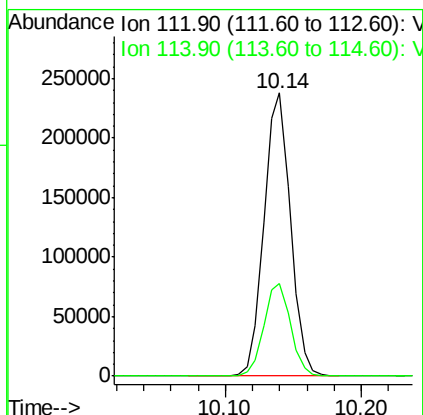
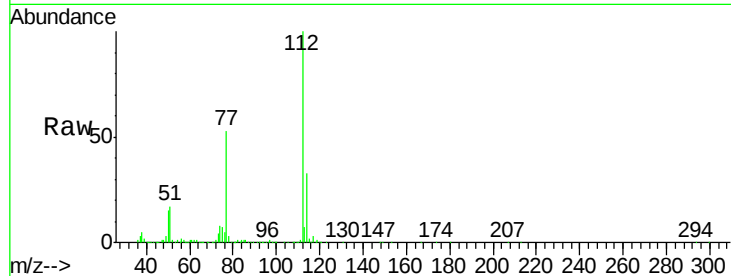
#65
Chlorobenzene
Concen: 19.383 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

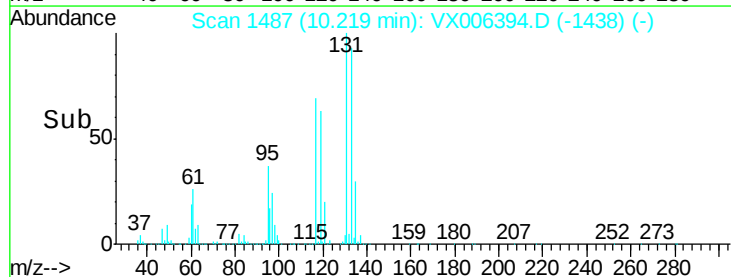
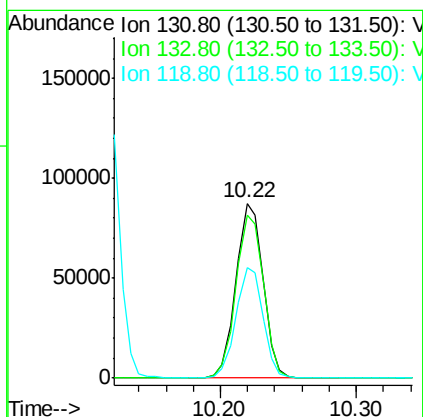
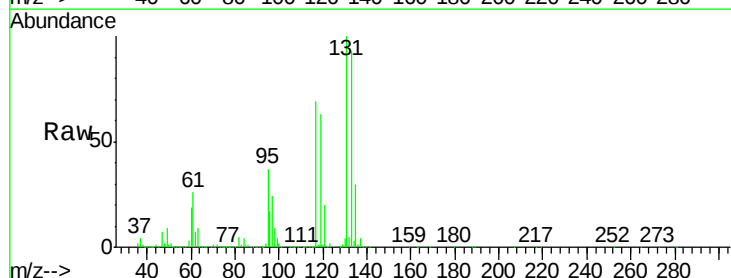
Manual Integrations
APPROVED

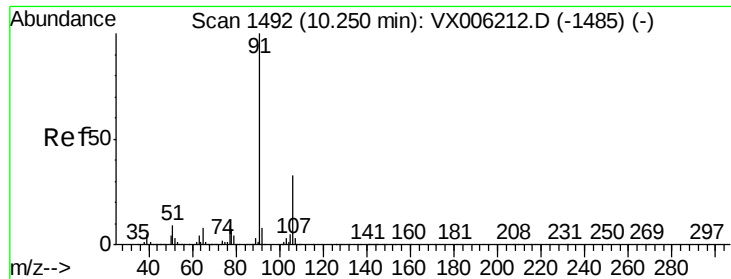
MMDadoda
12/11/2018 10:54:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.646 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.1	144.4
119	63.1	32.1	96.3





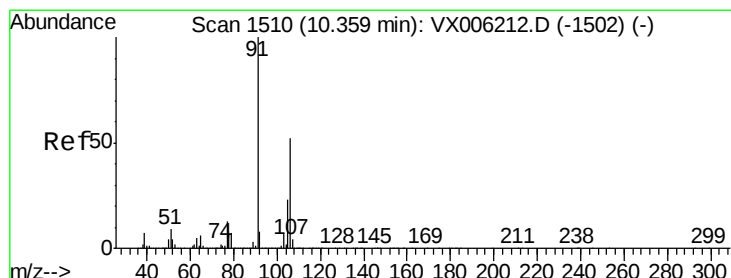
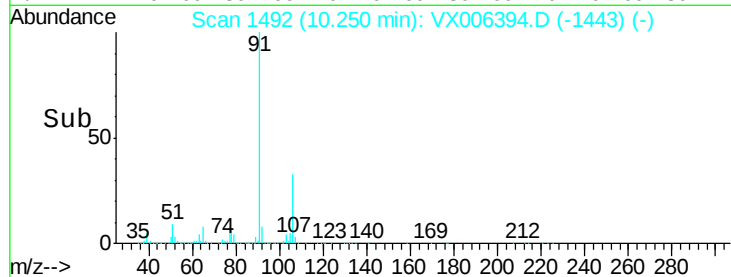
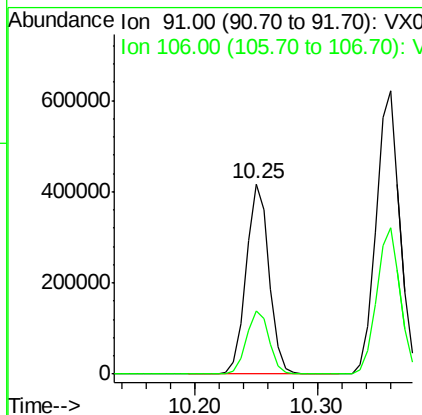
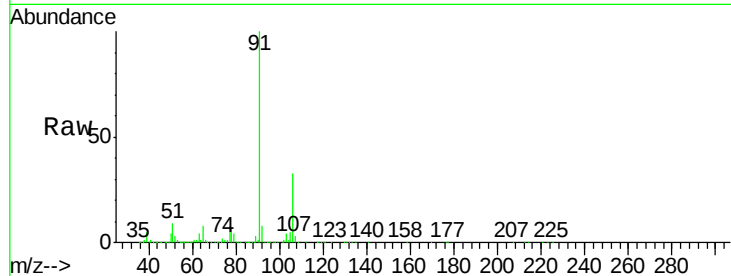
#67
Ethyl Benzene
Concen: 19.351 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion: 91 Resp: 540555
Ion Ratio Lower Upper
91 100
106 33.0 26.5 39.7

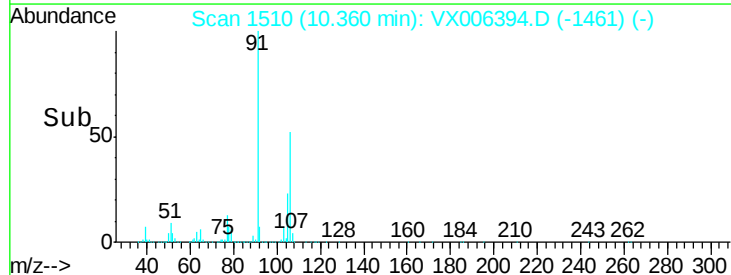
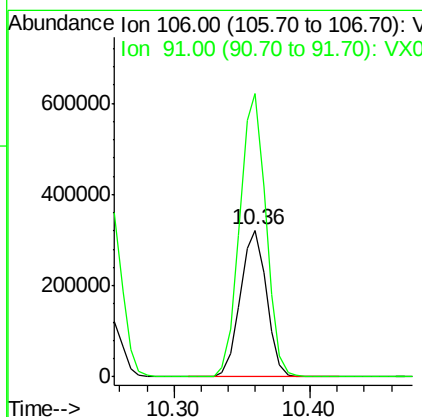
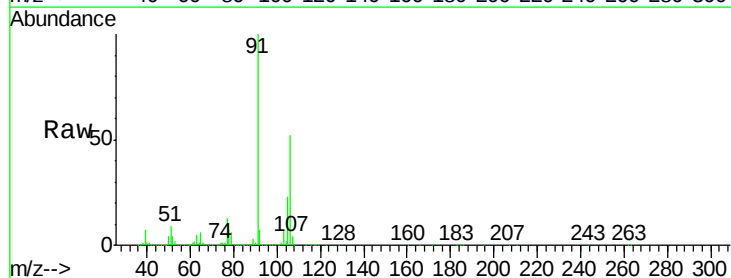
Manual Integrations
APPROVED

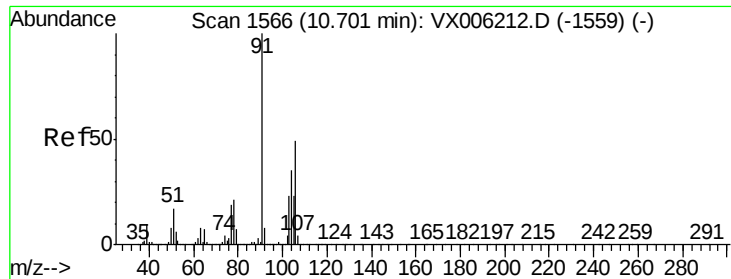
MMDadoda
12/11/2018 10:54:12 AM



#68
m/p-Xylenes
Concen: 38.535 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion: 106 Resp: 431193
Ion Ratio Lower Upper
106 100
91 193.6 155.2 232.8





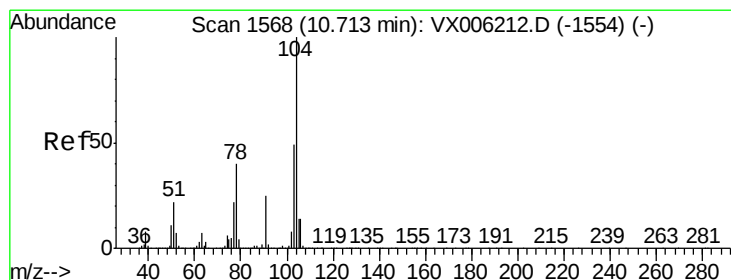
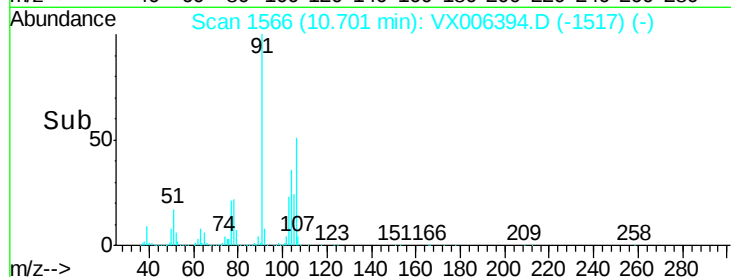
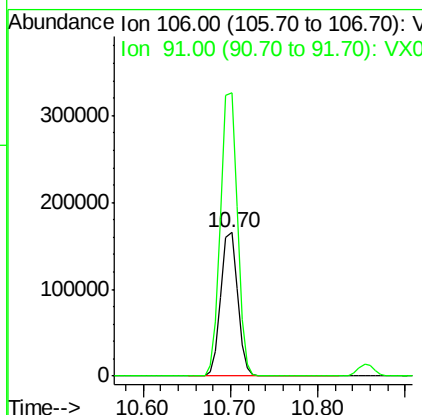
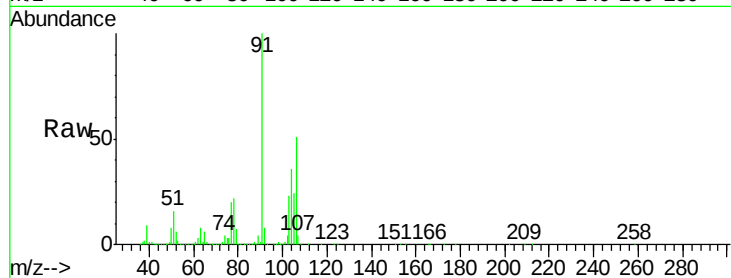
#69
o-Xylene
Concen: 19.843 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.9	101.8	305.6

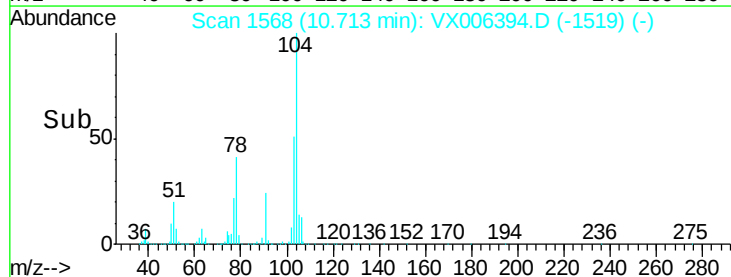
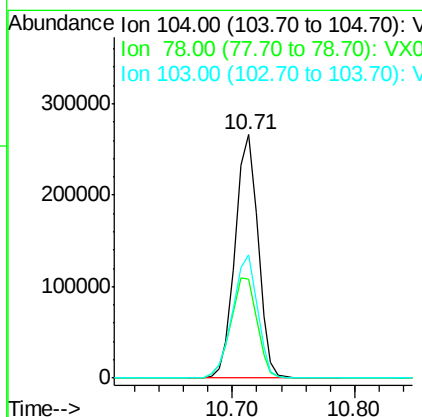
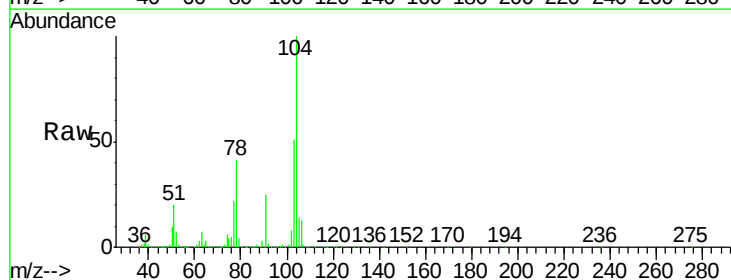
Manual Integrations
APPROVED

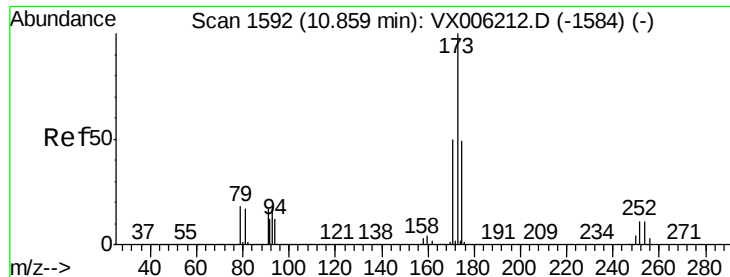
MMDadoda
12/11/2018 10:54:12 AM



#70
Styrene
Concen: 19.241 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.2	55.8
103	55.0	43.5	65.3





#71

Bromoform

Concen: 15.490 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

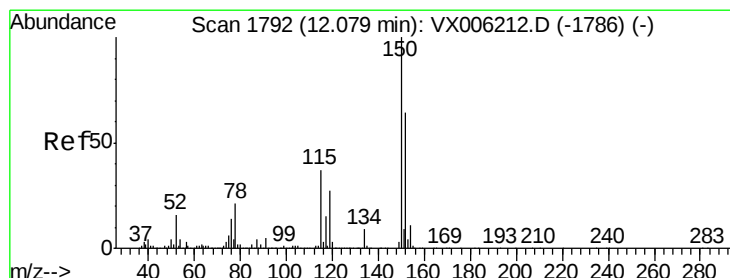
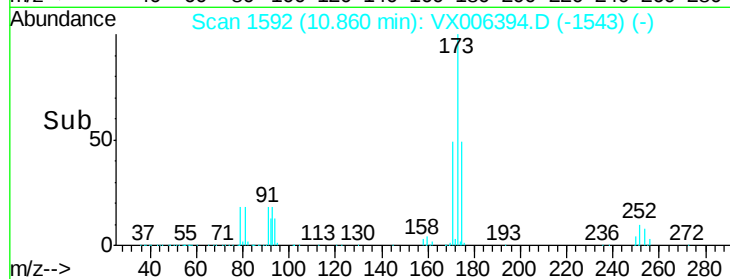
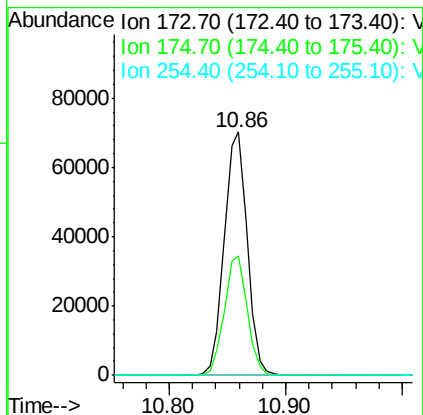
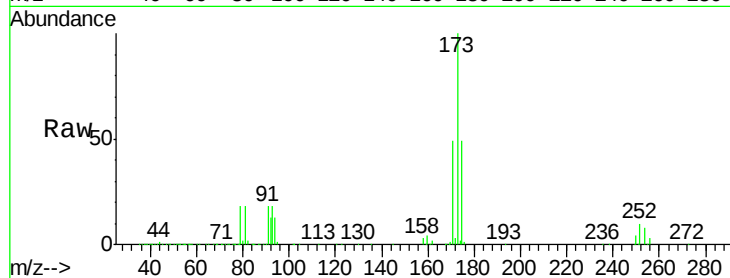
ClientSampleId :

VX1210WBSD02

Tot Ion:	173	Resp:	95419
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.6	73.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

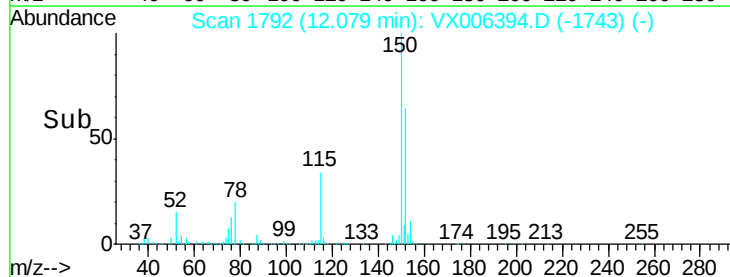
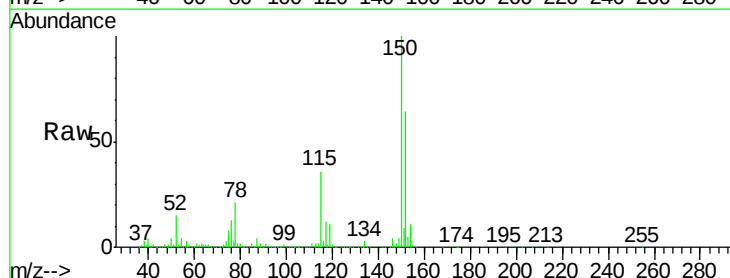
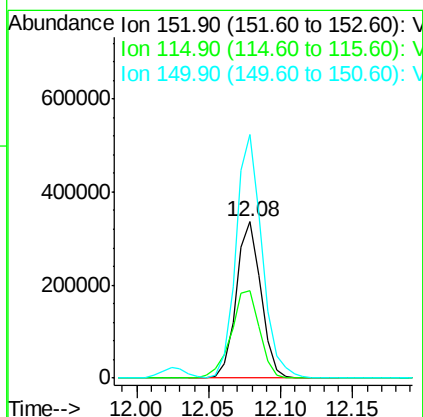
RT: 12.08 min Scan# 1792

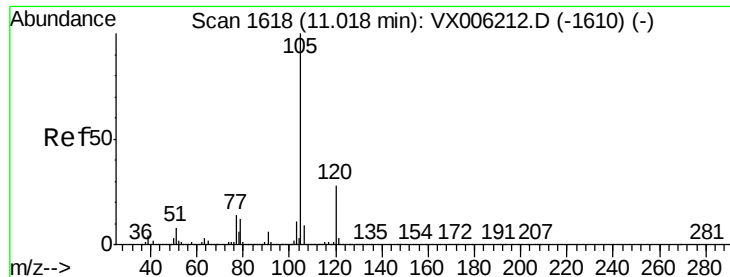
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	152	Resp:	401482
Ion Ratio	Lower	Upper	
152	100		
115	65.3	39.0	116.9
150	163.8	0.0	345.8





#73

Isopropylbenzene

Concen: 20.423 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 105 Resp: 566239

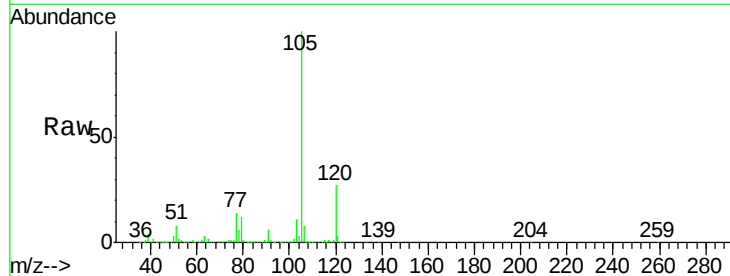
Ion Ratio Lower Upper

105 100

120 27.6 14.1 42.3

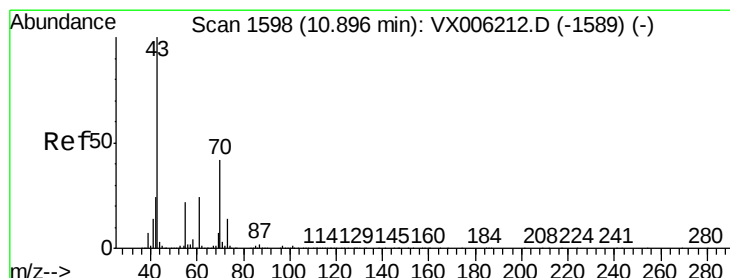
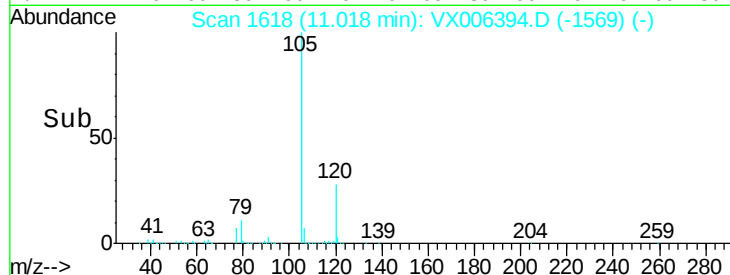
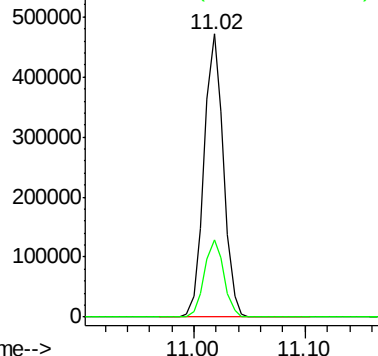
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.139 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion: 43 Resp: 216563

Ion Ratio Lower Upper

43 100

70 46.2 34.1 51.1

55 25.0 17.8 26.8

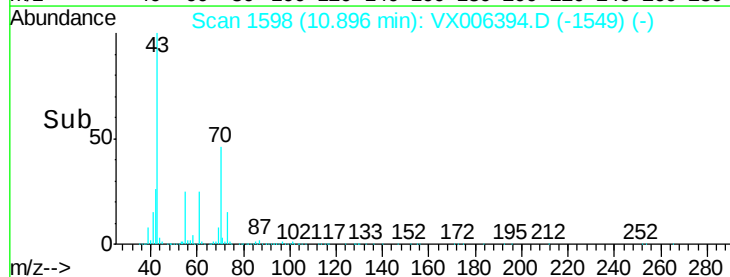
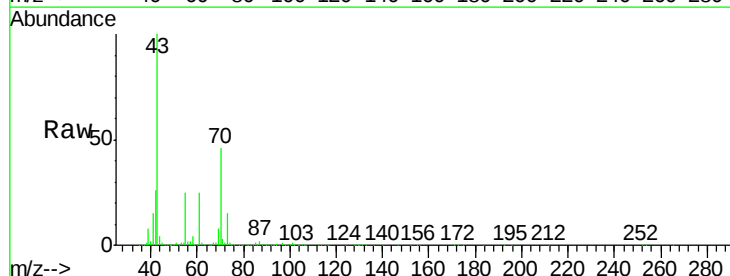
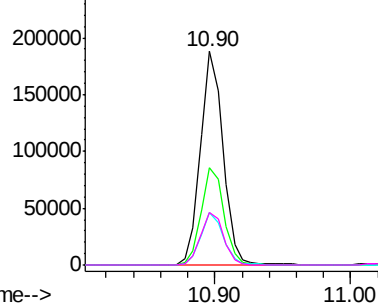
61 25.0 19.7 29.5

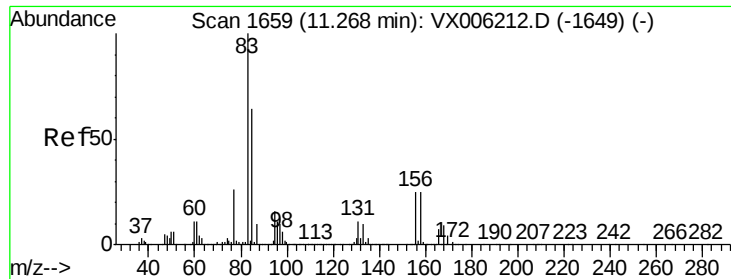
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.832 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

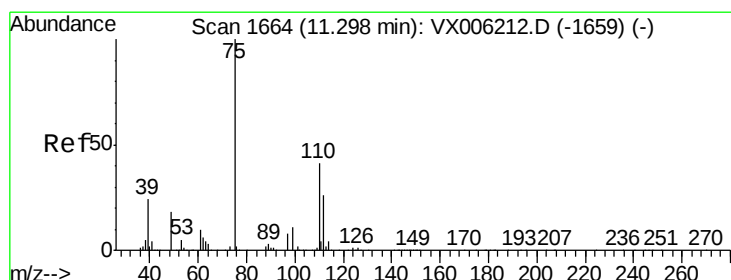
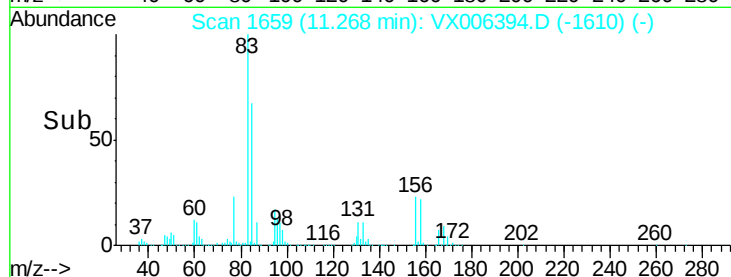
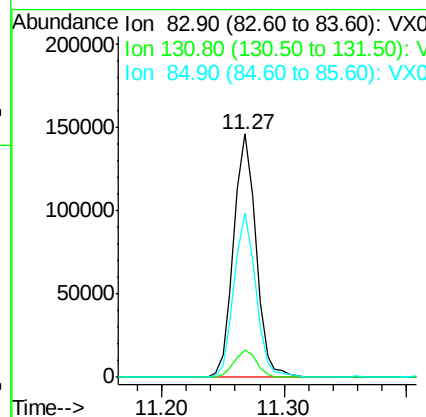
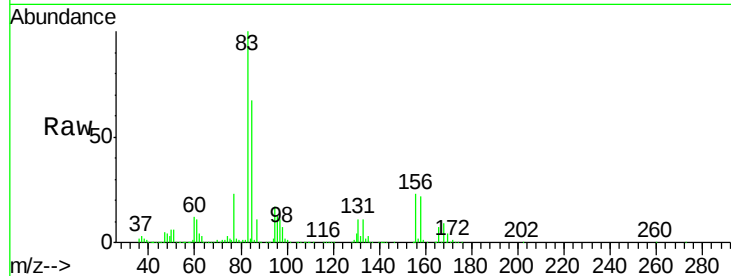
ClientSampleId :

VX1210WBSD02

Tot Ion:	83	Resp:	184781
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	66.3	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#76

1,2,3-Trichloropropane

Concen: 22.165 ug/l m

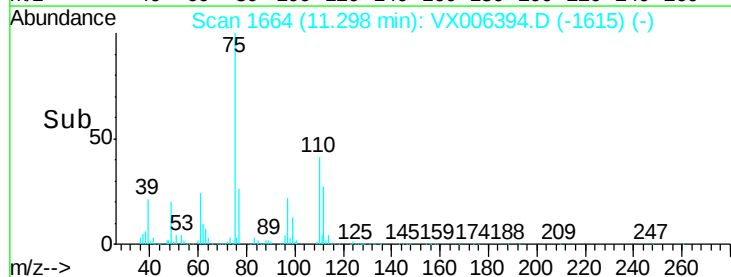
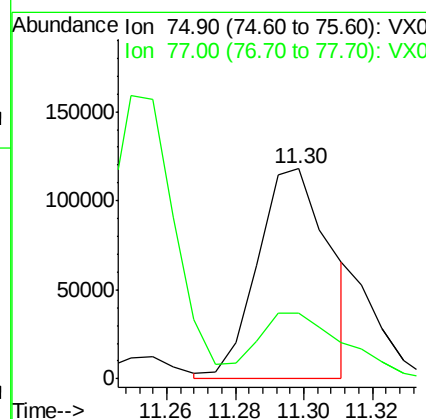
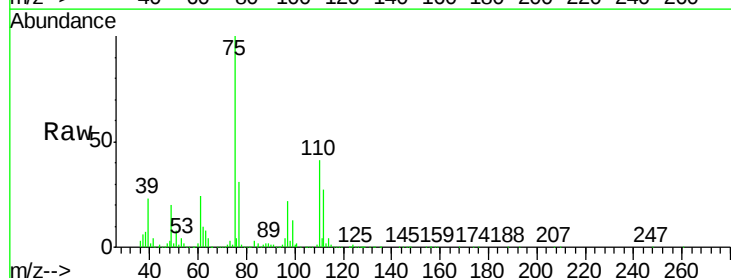
RT: 11.30 min Scan# 1664

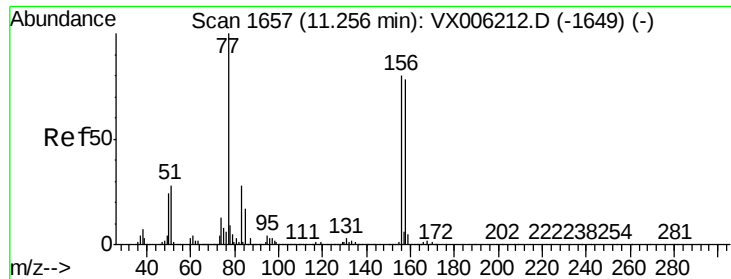
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	75	Resp:	171766
Ion Ratio	Lower	Upper	
75	100		
77	37.0	19.9	59.7





#77

Bromobenzene

Concen: 20.085 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

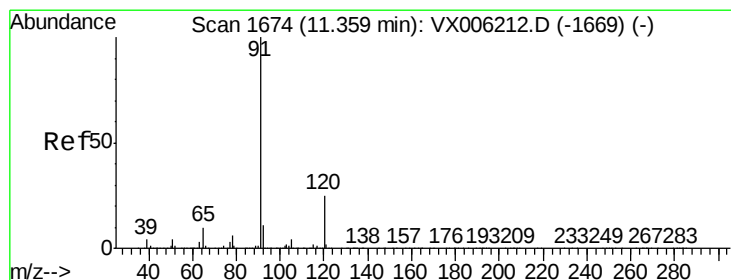
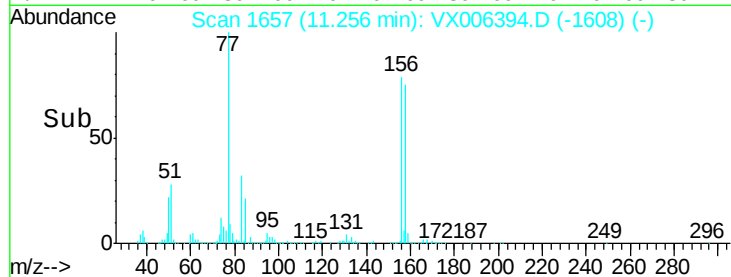
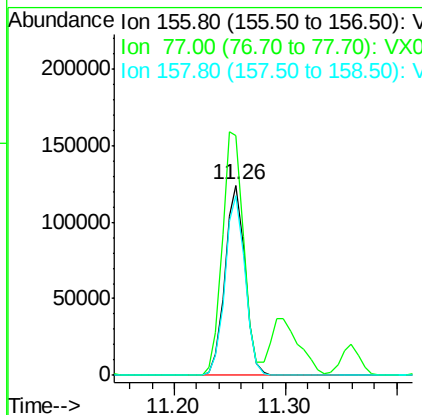
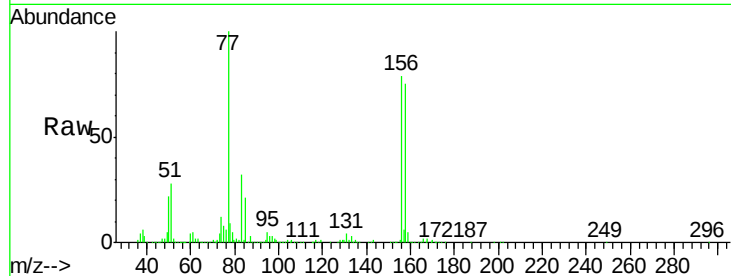
ClientSampleId :

VX1210WBSD02

Tot Ion:	156	Resp:	154544
Ion Ratio	Lower	Upper	
156	100		
77	135.7	66.2	198.6
158	94.8	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#78

n-propylbenzene

Concen: 19.770 ug/l

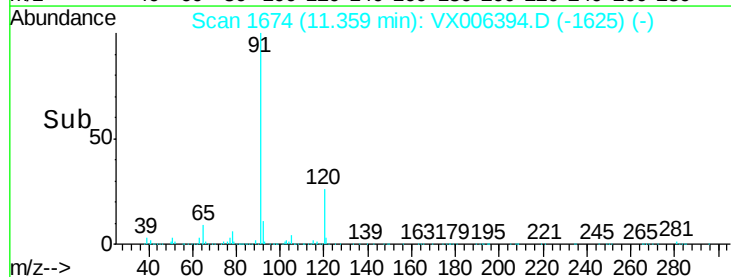
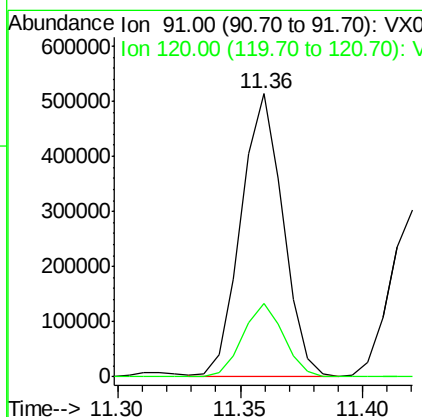
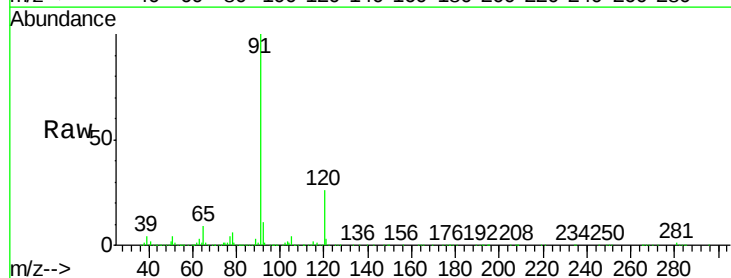
RT: 11.36 min Scan# 1674

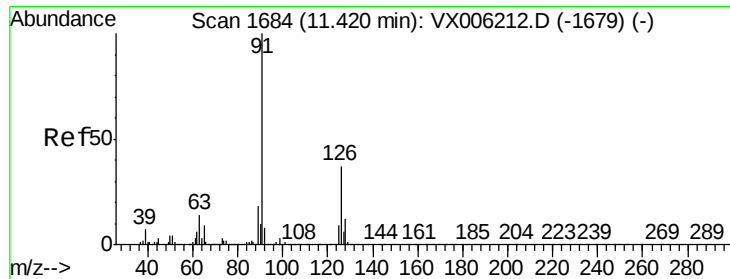
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	91	Resp:	609323
Ion Ratio	Lower	Upper	
91	100		
120	25.5	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.359 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion: 91 Resp: 372931

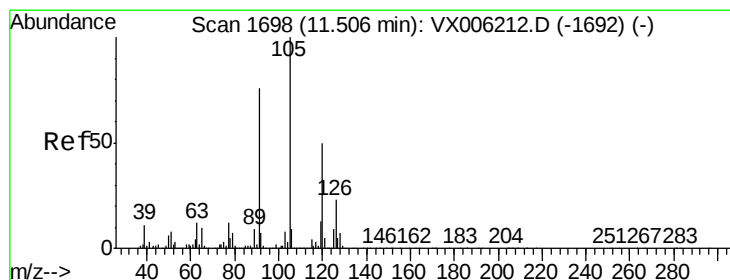
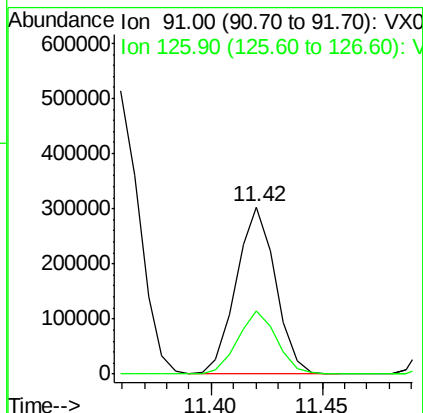
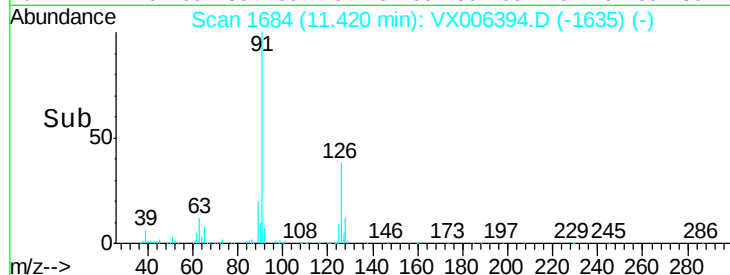
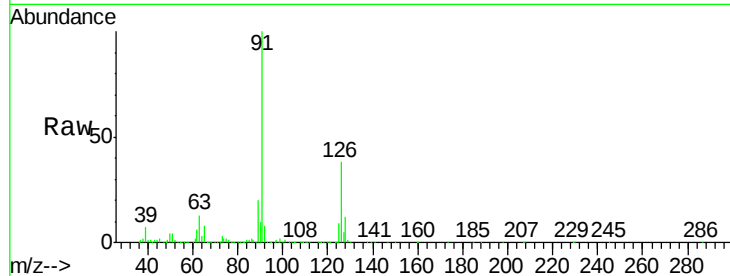
Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.980 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006394.D

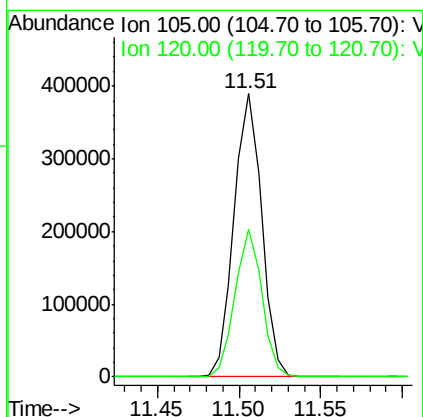
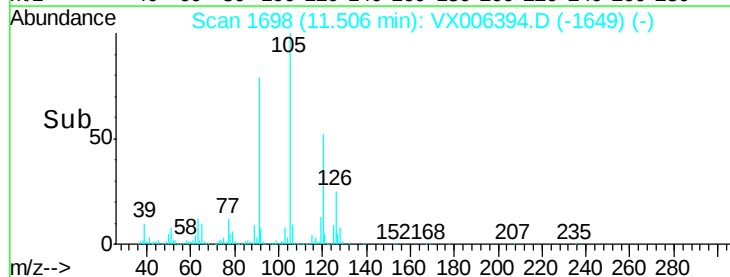
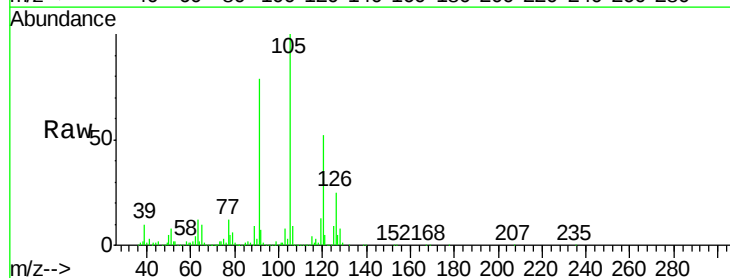
Acq: 11 Dec 2018 02:52

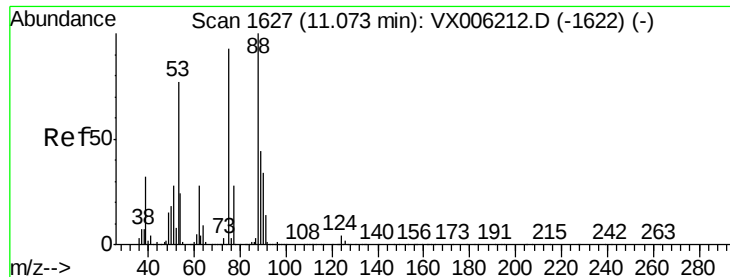
Tgt Ion: 105 Resp: 460924

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.765 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

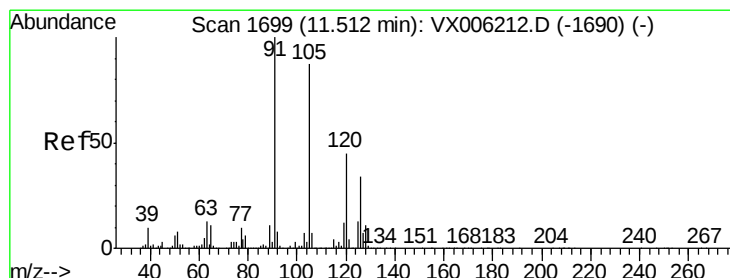
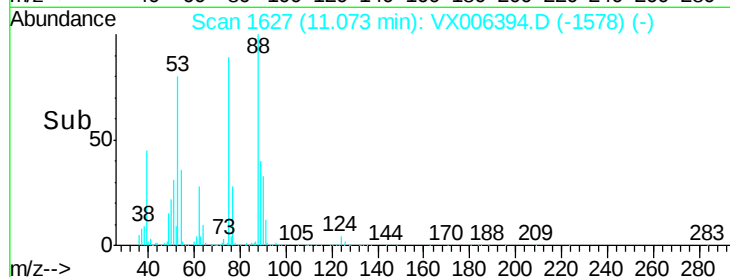
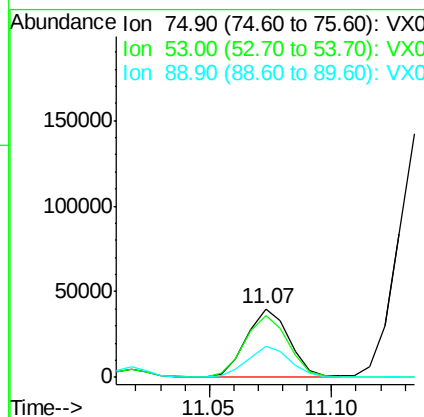
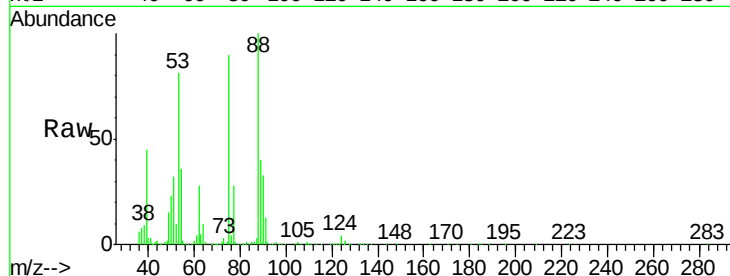
ClientSampleId :

VX1210WBSD02

Tot Ion:	75	Resp:	48757
Ion Ratio	Lower	Upper	
75	100		
53	91.6	64.4	96.6
89	45.5	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#82

4-Chlorotoluene

Concen: 19.890 ug/l

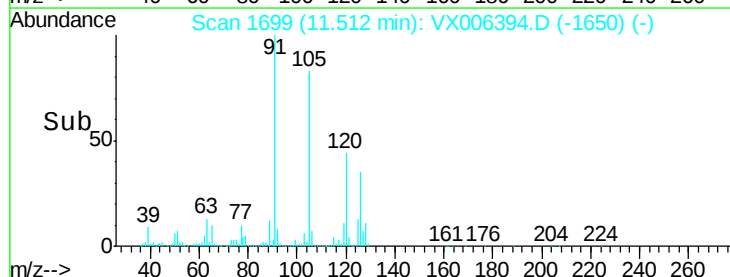
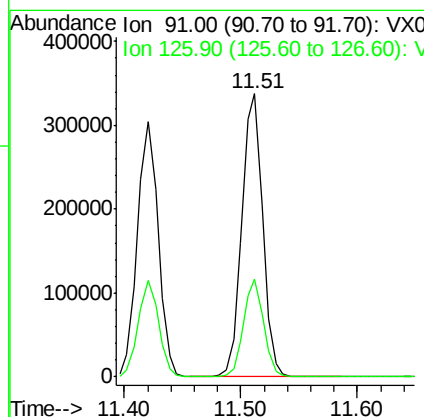
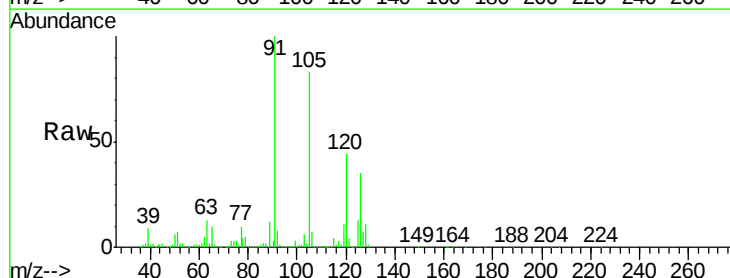
RT: 11.51 min Scan# 1699

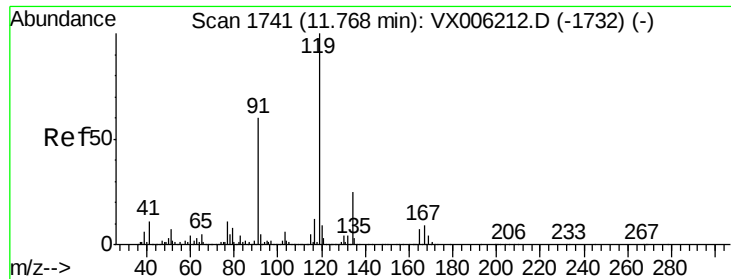
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	91	Resp:	423620
Ion Ratio	Lower	Upper	
91	100		
126	33.3	16.4	49.4





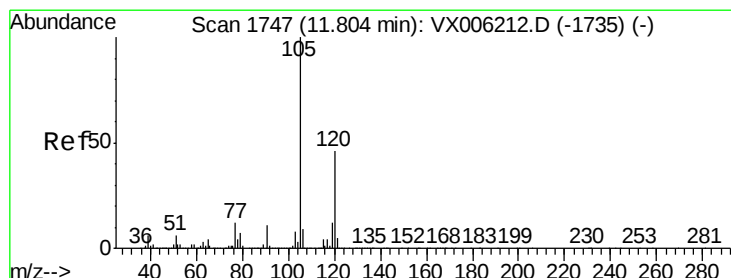
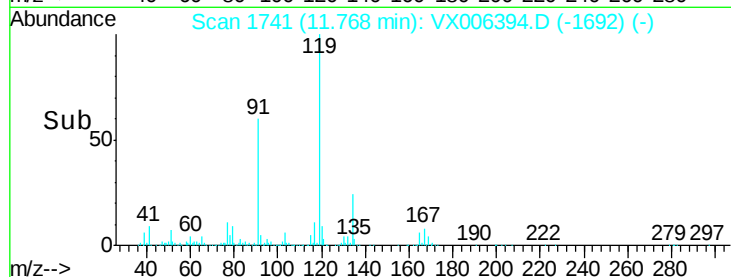
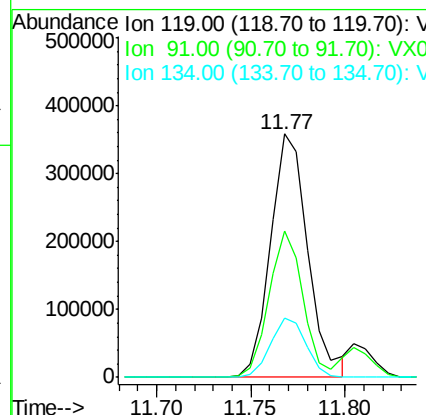
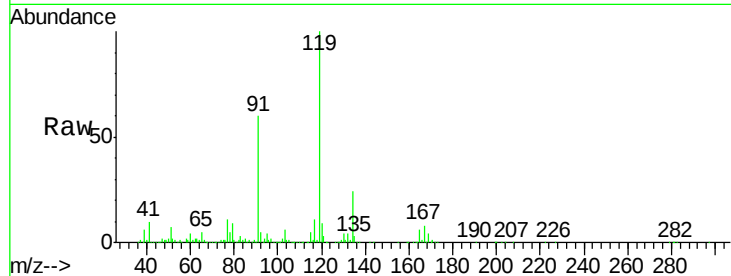
#83
 tert-Butylbenzene
 Concen: 19.962 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	26.4	79.2
134	23.3	11.6	34.7

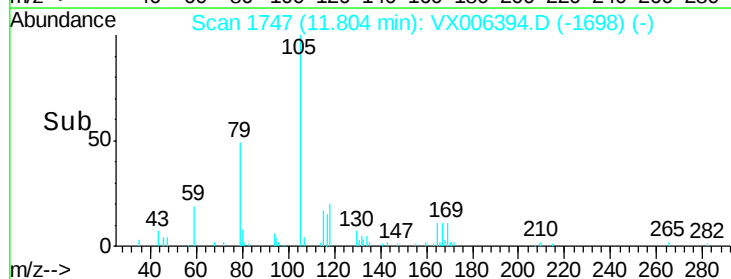
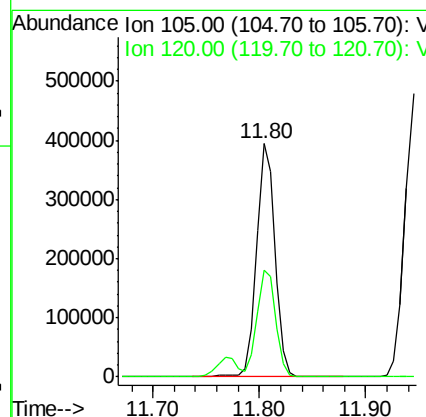
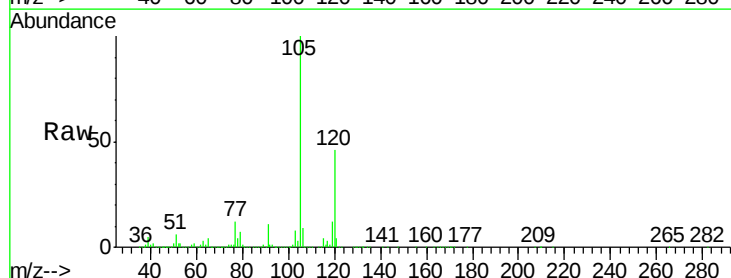
Manual Integrations
 APPROVED

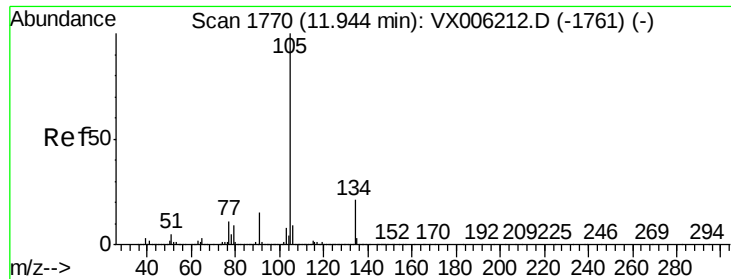
MMDadoda
 12/11/2018 10:54:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.068 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 20.178 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBSD02

Tot Ion:105 Resp: 565001

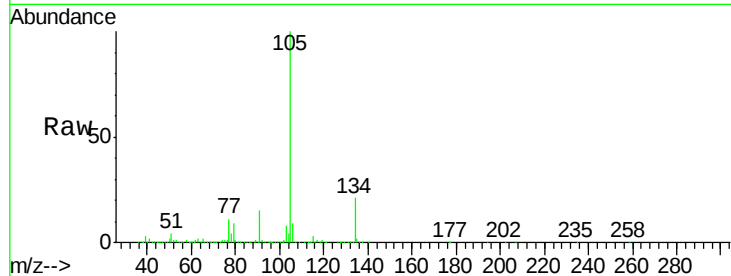
Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.4

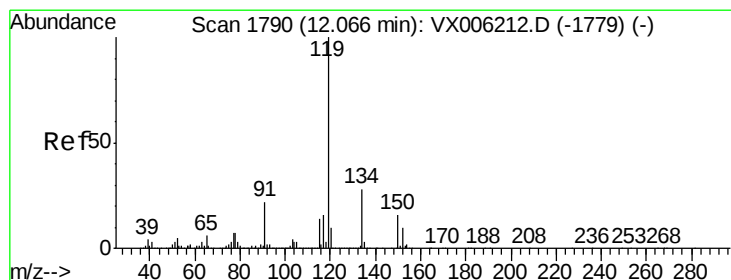
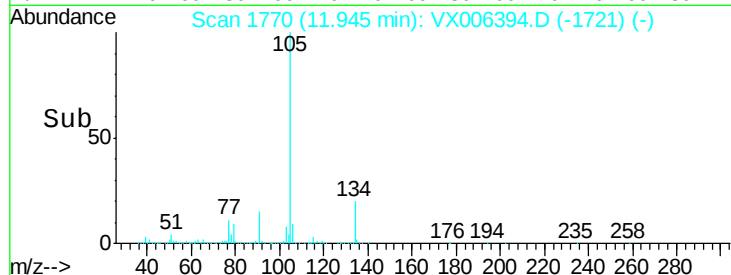
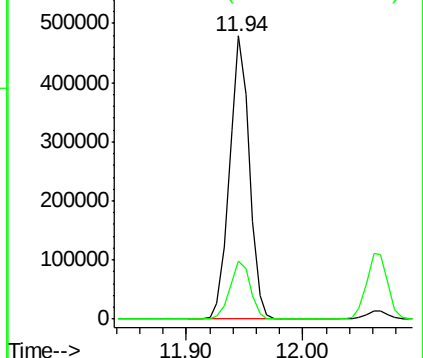
Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.897 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

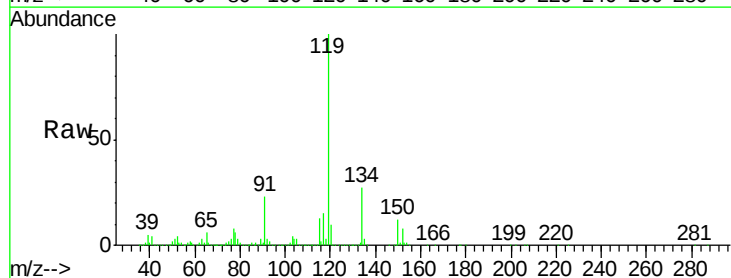
Tgt Ion:119 Resp: 501693

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

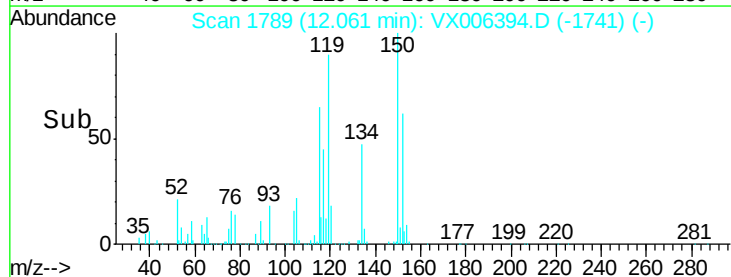
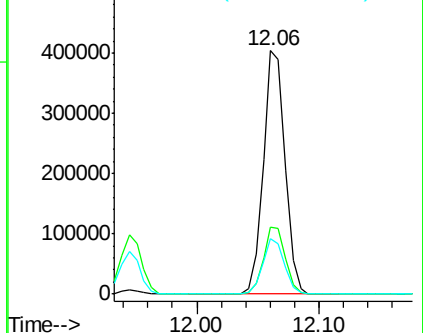
91 22.8 11.3 33.8

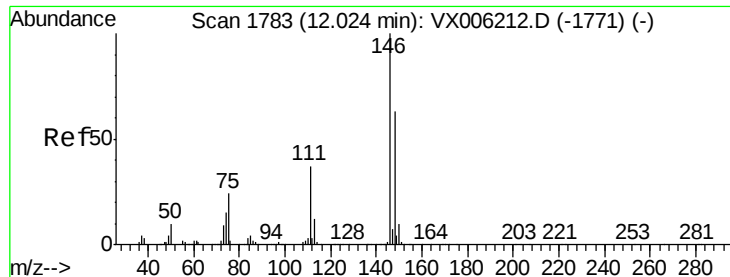


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





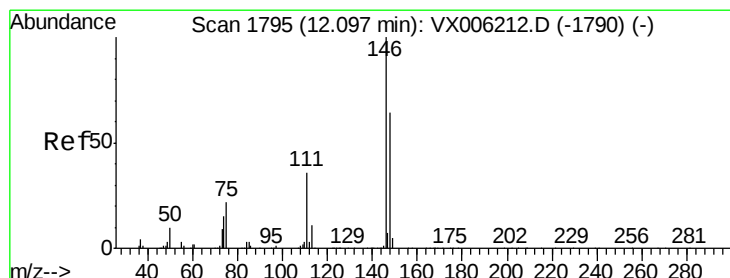
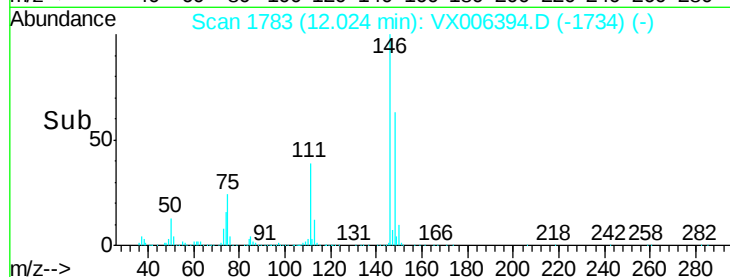
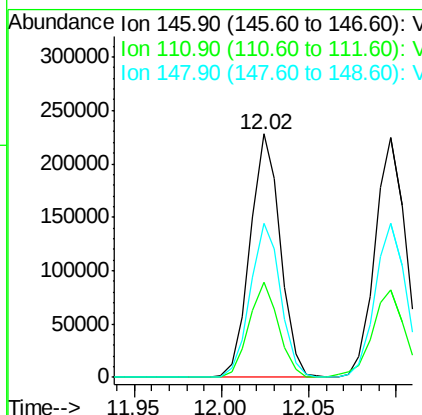
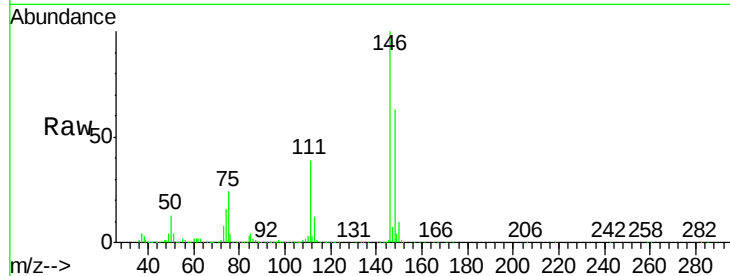
#87
 1,3-Dichlorobenzene
 Concen: 19.990 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.2
148	63.5	32.0	96.0

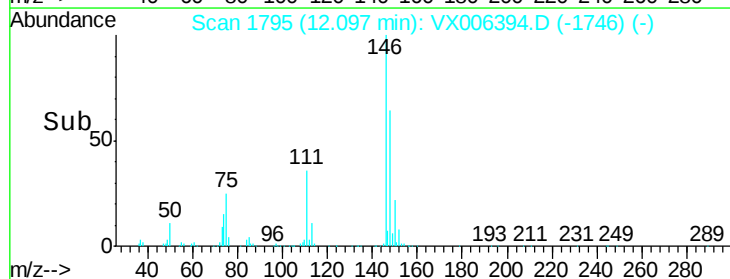
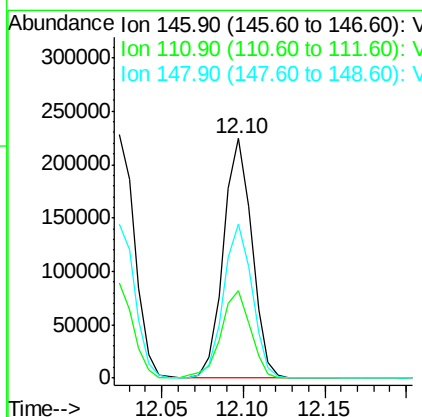
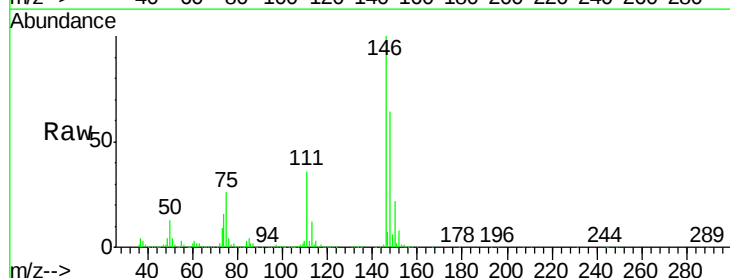
Manual Integrations
 APPROVED

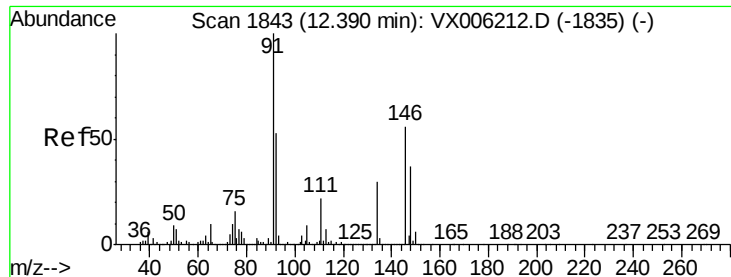
MMDadoda
 12/11/2018 10:54:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.616 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.3	54.8
148	64.3	31.9	95.9





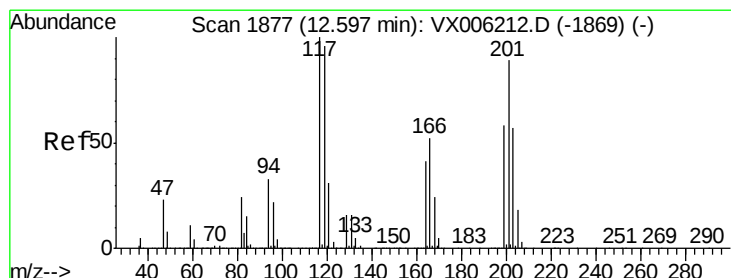
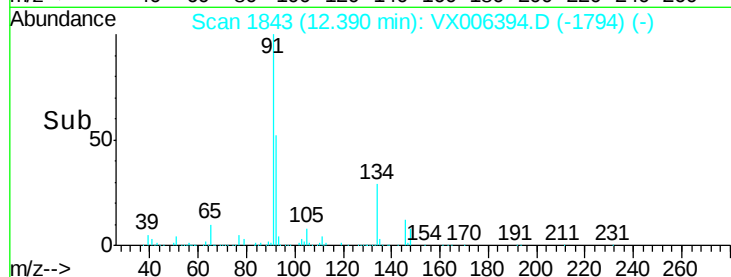
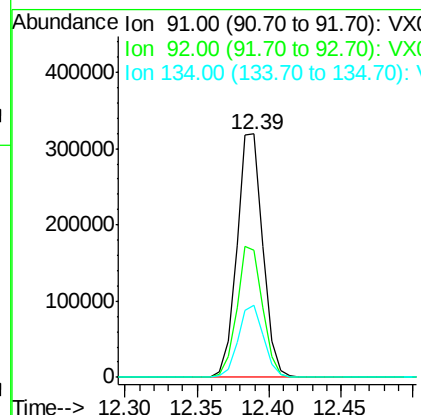
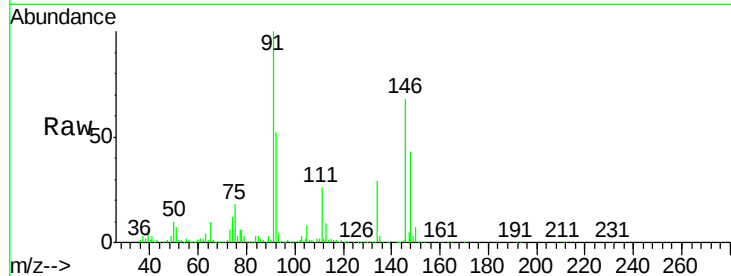
#89
n-Butylbenzene
Concen: 18.660 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	29.1	14.8	44.3

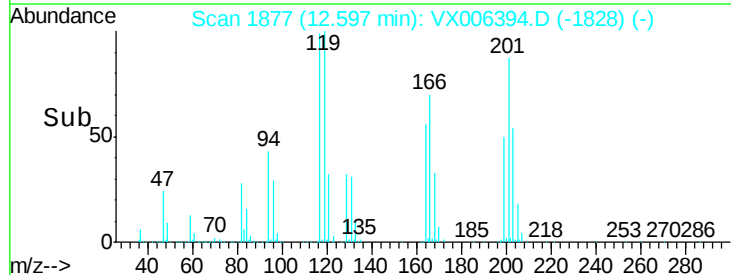
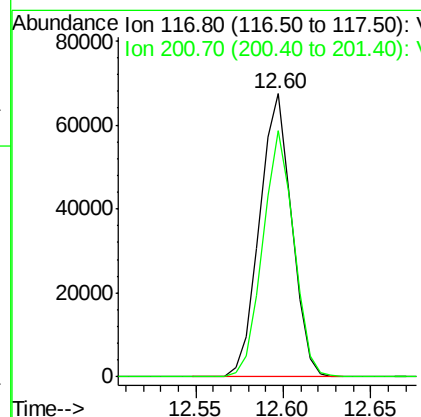
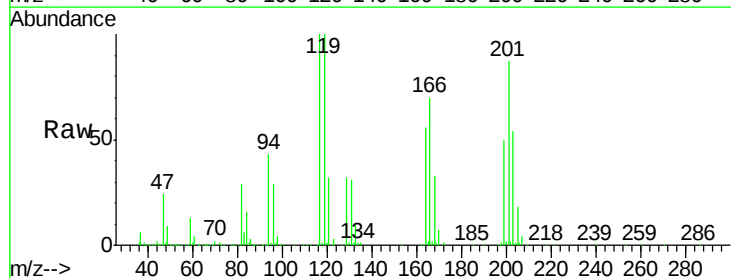
Manual Integrations
APPROVED

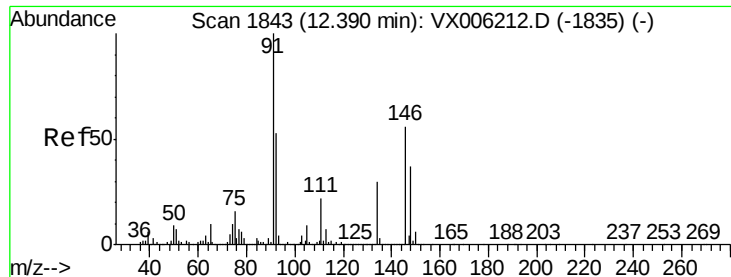
MMDadoda
12/11/2018 10:54:12 AM



#90
Hexachloroethane
Concen: 16.802 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006394.D
Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	44.7	134.1





#91

1,2-Dichlorobenzene

Concen: 20.331 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

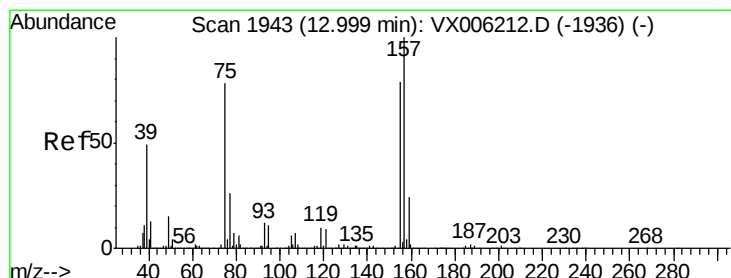
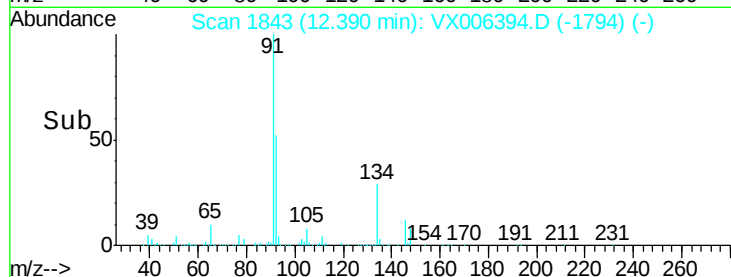
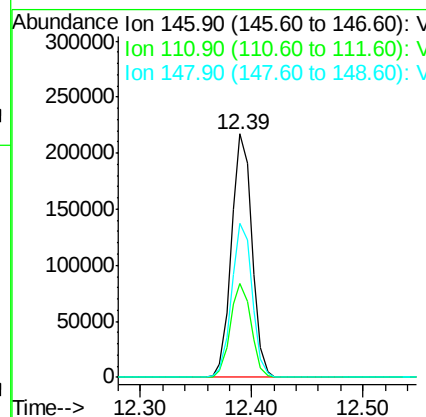
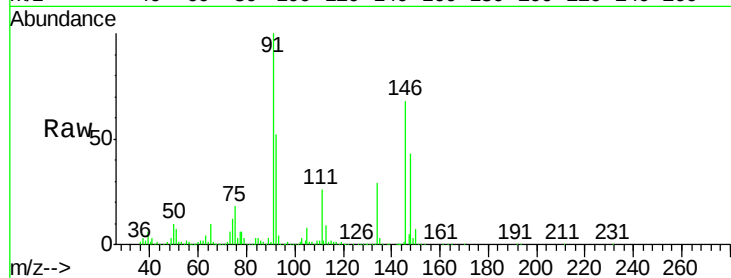
ClientSampleId :

VX1210WBSD02

Tot Ion:	146	Resp:	276255
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.1	57.3
148	63.3	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.737 ug/l

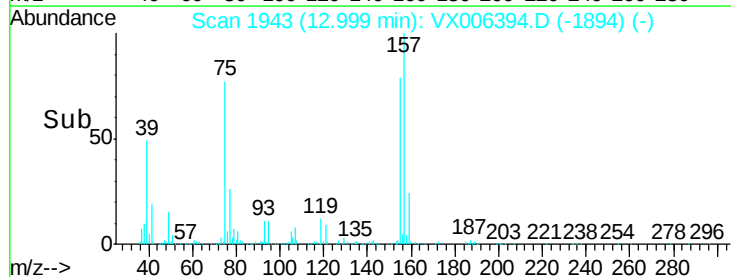
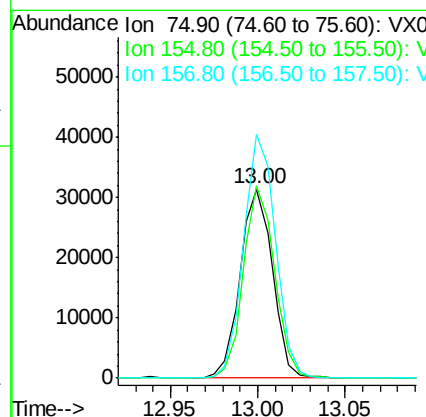
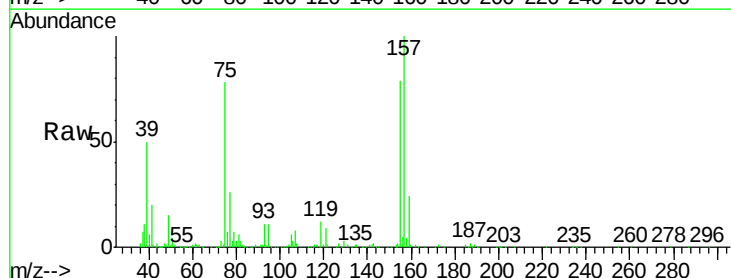
RT: 13.00 min Scan# 1943

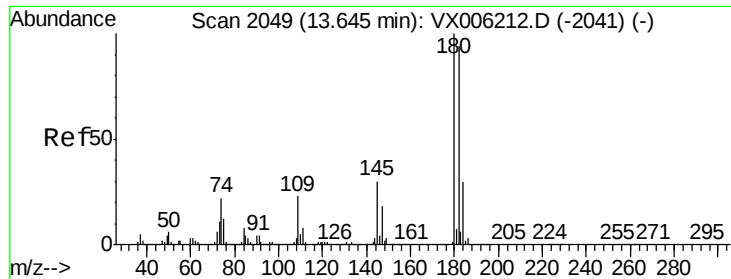
Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	75	Resp:	40329
Ion Ratio	Lower	Upper	
75	100		
155	98.6	53.4	160.3
157	127.4	68.0	203.8





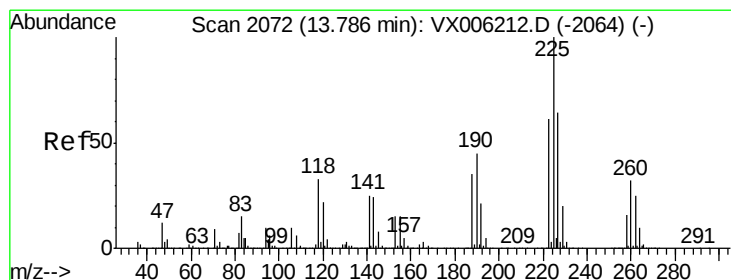
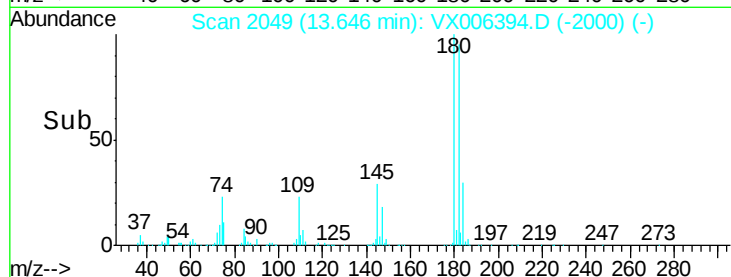
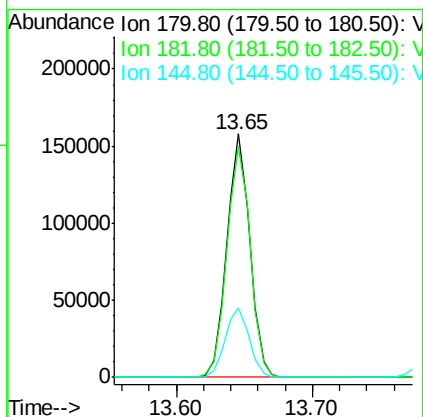
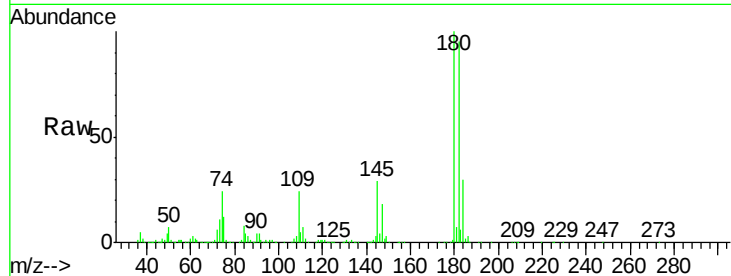
#93
 1,2,4-Trichlorobenzene
 Concen: 18.568 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184073		
182	96.7	47.3	141.9	
145	29.8	14.6	43.8	

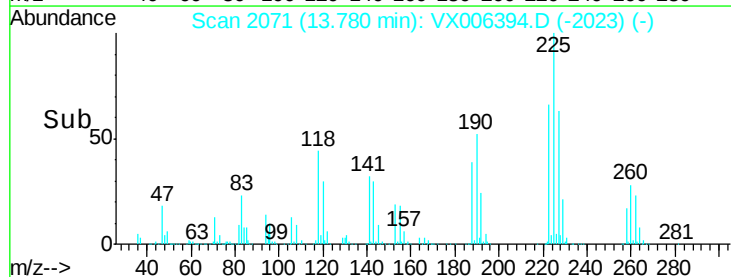
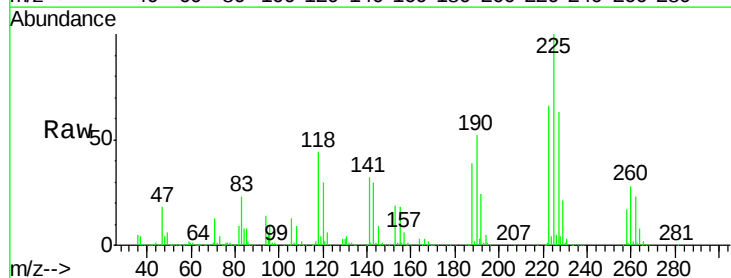
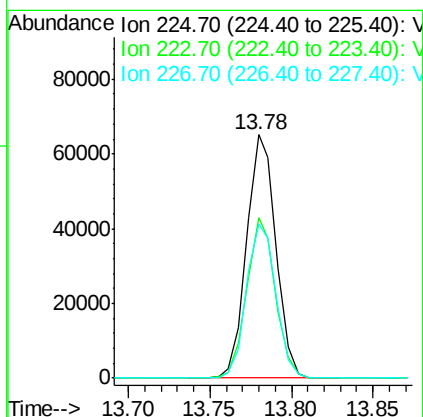
Manual Integrations
 APPROVED

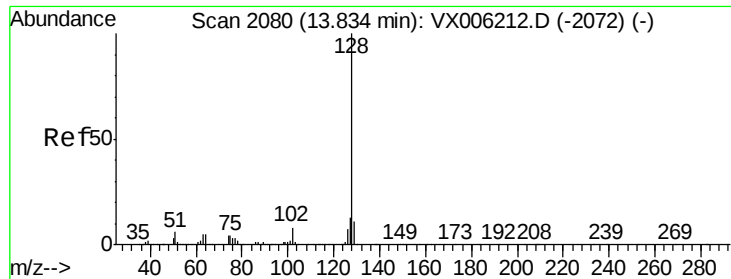
MMDadoda
 12/11/2018 10:54:12 AM



#94
 Hexachlorobutadiene
 Concen: 18.568 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006394.D
 Acq: 11 Dec 2018 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81403		
223	64.5	31.2	93.6	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 20.023 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Instrument :

MSVOA_X

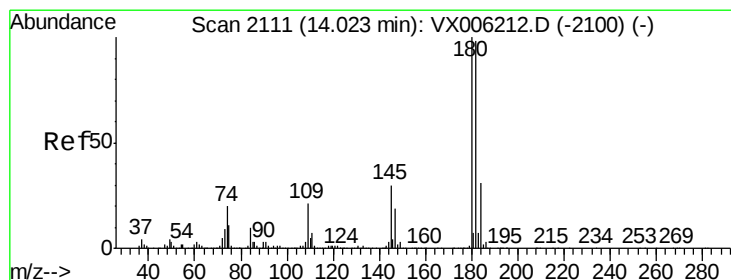
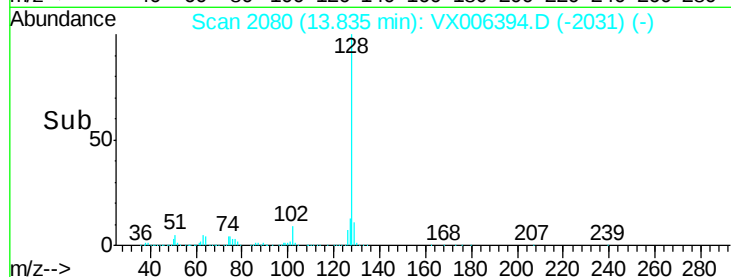
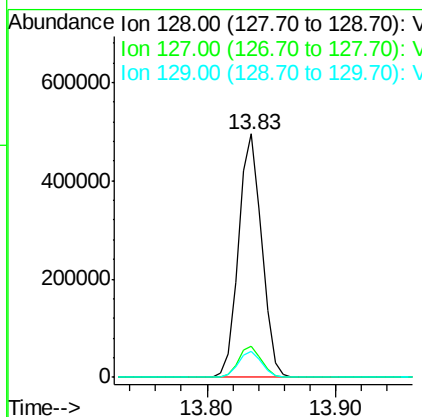
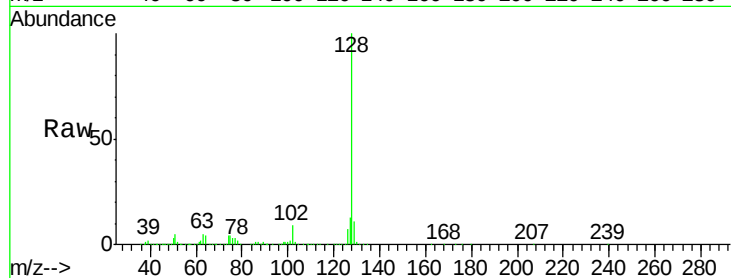
ClientSampleId :

VX1210WBSD02

Tot Ion:	128	Resp:	617454
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:54:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.491 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006394.D

Acq: 11 Dec 2018 02:52

Tgt Ion:	180	Resp:	191374
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.4	145.2
145	31.8	15.6	46.8

