

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\
 Data File : VX007101.D
 Acq On : 17 Jan 2019 20:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:24:35 AM

Quant Time: Jan 18 07:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	531108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	784524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	707375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	359479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	271056	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	5.51	113	251959	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	8.71	98	911476	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.13	95	321942	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	209380	48.007	ug/l	99
3) Chloromethane	1.32	50	234583	46.202	ug/l	98
4) Vinyl Chloride	1.41	62	263540	48.253	ug/l	100
5) Bromomethane	1.64	94	253649	43.468	ug/l	97
6) Chloroethane	1.71	64	173667	45.539	ug/l	99
7) Trichlorofluoromethane	1.92	101	437177	49.540	ug/l	97
8) Diethyl Ether	2.19	74	174373	49.667	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	251512	47.605	ug/l	99
10) Methyl Iodide	2.51	142	365749	51.321	ug/l	98
11) Tert butyl alcohol	3.08	59	339924	259.616	ug/l	98
12) 1,1-Dichloroethene	2.37	96	233557	47.847	ug/l	99
13) Acrolein	2.30	56	147175	260.496	ug/l	99
14) Allyl chloride	2.73	41	414766	49.580	ug/l	98
15) Acrylonitrile	3.15	53	779406	259.304	ug/l	99
16) Acetone	2.45	43	676071	246.381	ug/l	99
17) Carbon Disulfide	2.57	76	544541	43.330	ug/l	98
18) Methyl Acetate	2.78	43	433608	54.566	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	870729	51.394	ug/l	99
20) Methylene Chloride	2.85	84	269214	51.600	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	254892	46.858	ug/l	98
22) Diisopropyl ether	3.87	45	784496	49.881	ug/l	94
23) Vinyl Acetate	3.82	43	3256551	245.534	ug/l	98
24) 1,1-Dichloroethane	3.70	63	425754	48.413	ug/l	99
25) 2-Butanone	4.70	43	995559	253.563	ug/l	100
26) 2,2-Dichloropropane	4.59	77	297229	43.954	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	282473	47.078	ug/l	98
28) Bromochloromethane	5.02	49	187777	48.736	ug/l	97
29) Tetrahydrofuran	5.15	42	644245	252.488	ug/l	98
30) Chloroform	5.21	83	455006	49.417	ug/l	99
31) Cyclohexane	5.57	56	362986	46.375	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	389228	49.874	ug/l	99
36) 1,1-Dichloropropene	5.80	75	321225	47.095	ug/l	100
37) Ethyl Acetate	4.85	43	372097	50.885	ug/l	98
38) Carbon Tetrachloride	5.78	117	336601	49.049	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\
 Data File : VX007101.D
 Acq On : 17 Jan 2019 20:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:24:35 AM

Quant Time: Jan 18 07:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	396006	45.542	ug/l	98
40) Benzene	6.14	78	1003968	48.239	ug/l	99
41) Methacrylonitrile	5.06	41	202904	48.166	ug/l	98
42) 1,2-Dichloroethane	6.20	62	345560	48.048	ug/l	99
43) Isopropyl Acetate	6.46	43	602446	52.230	ug/l	98
44) Trichloroethene	7.21	130	296379	47.522	ug/l	95
45) 1,2-Dichloropropane	7.52	63	257016	49.121	ug/l	98
46) Dibromomethane	7.66	93	183944	50.022	ug/l	97
47) Bromodichloromethane	7.90	83	329398	52.626	ug/l	96
48) Methyl methacrylate	7.77	41	304281	51.369	ug/l	97
49) 1,4-Dioxane	7.75	88	139387	1030.682	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1946057	262.528	ug/l	99
52) Toluene	8.79	92	647039	48.370	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	363307	52.345	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	394210	51.431	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	278042	51.929	ug/l	99
56) Ethyl methacrylate	9.18	69	410930	52.572	ug/l	95
57) 1,3-Dichloropropane	9.37	76	440352	50.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1046194	260.319	ug/l	99
59) 2-Hexanone	9.49	43	1474888	261.091	ug/l	99
60) Dibromochloromethane	9.59	129	290244	55.826	ug/l	98
61) 1,2-Dibromoethane	9.67	107	299817	50.864	ug/l	99
64) Tetrachloroethene	9.34	164	285457	46.611	ug/l	96
65) Chlorobenzene	10.14	112	759930	49.256	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	277998	53.563	ug/l	99
67) Ethyl Benzene	10.25	91	1242552	48.785	ug/l	99
68) m/p-Xylenes	10.36	106	969837	96.647	ug/l	98
69) o-Xylene	10.70	106	481329	49.183	ug/l	98
70) Styrene	10.71	104	776134	50.074	ug/l	99
71) Bromoform	10.86	173	218336	47.302	ug/l #	98
73) Isopropylbenzene	11.02	105	1264343	49.879	ug/l	99
74) N-amyl acetate	10.90	43	533707	52.295	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	408026	50.704	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	378196m	51.917	ug/l	
77) Bromobenzene	11.26	156	344420	49.313	ug/l	99
78) n-propylbenzene	11.36	91	1409092	50.638	ug/l	99
79) 2-Chlorotoluene	11.42	91	818796	48.881	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1045926	49.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	111220	46.372	ug/l	99
82) 4-Chlorotoluene	11.51	91	963446	49.676	ug/l	100
83) tert-Butylbenzene	11.77	119	1072864	50.769	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1067039	50.099	ug/l	100
85) sec-Butylbenzene	11.94	105	1271378	50.376	ug/l	100
86) p-Isopropyltoluene	12.07	119	1141494	50.566	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	613981	48.635	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	612476	51.202	ug/l	100
89) n-Butylbenzene	12.39	91	972452	50.533	ug/l	99
90) Hexachloroethane	12.60	117	181250	50.276	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	607688	48.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	85693	53.843	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007101.D
Acq On : 17 Jan 2019 20:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

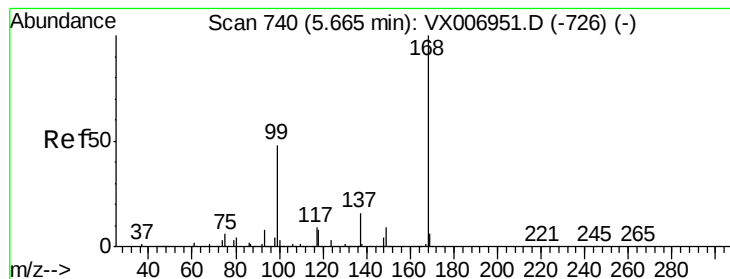
Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM

Quant Time: Jan 18 07:00:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	432408	50.590	ug/l	100
94) Hexachlorobutadiene	13.78	225	198648	52.373	ug/l	99
95) Naphthalene	13.83	128	1342037	51.816	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	431402	50.809	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: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 531108

Ion Ratio Lower Upper

168 100

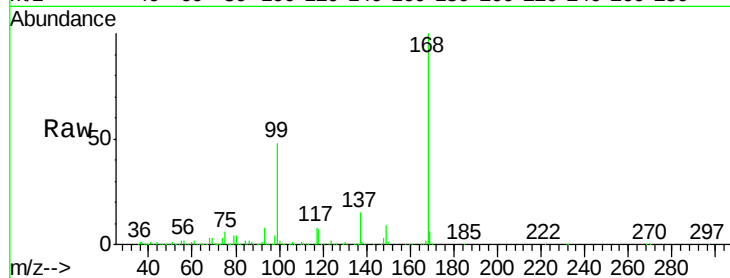
99 47.7 41.8 62.8

Manual Integrations

APPROVED

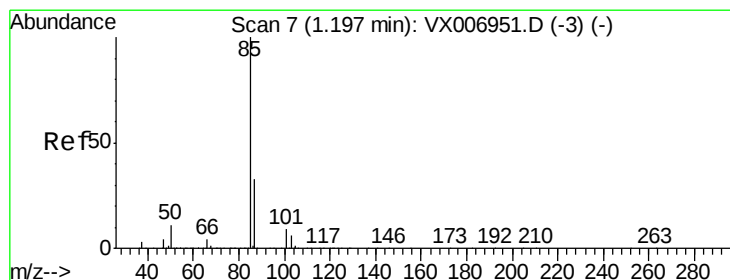
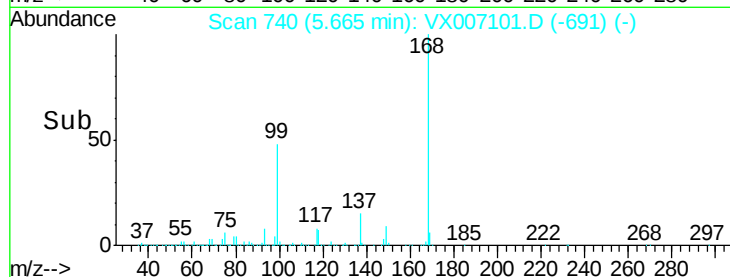
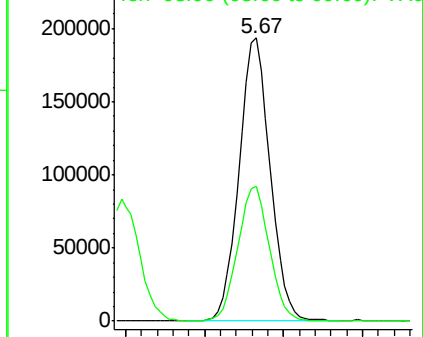
MMDadoda

1/18/2019 10:24:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.007 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007101.D

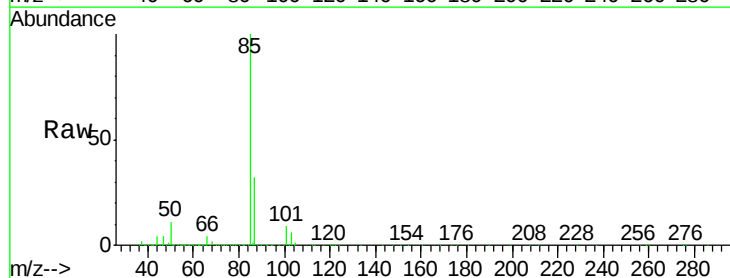
Acq: 17 Jan 2019 20:42

Tgt Ion: 85 Resp: 209380

Ion Ratio Lower Upper

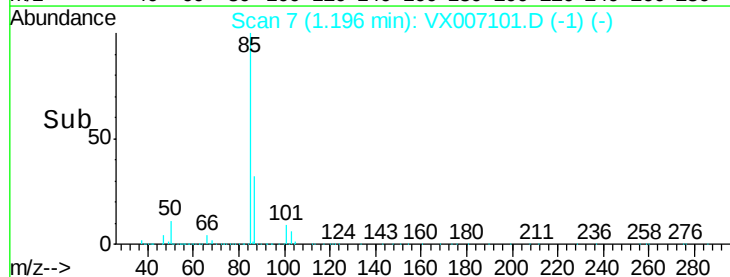
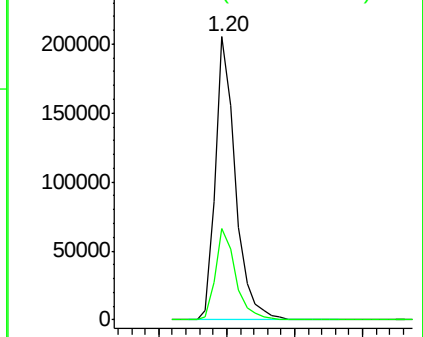
85 100

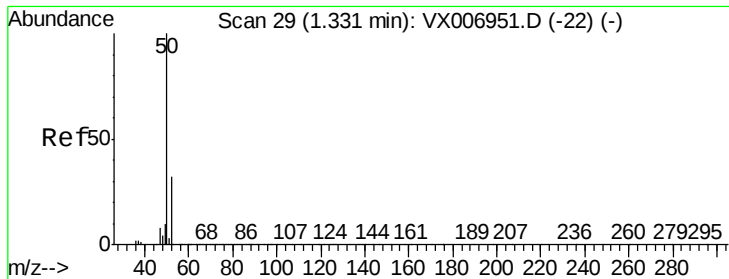
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.202 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 234583

Ion Ratio Lower Upper

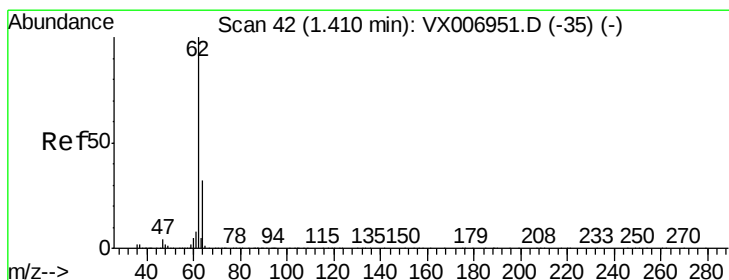
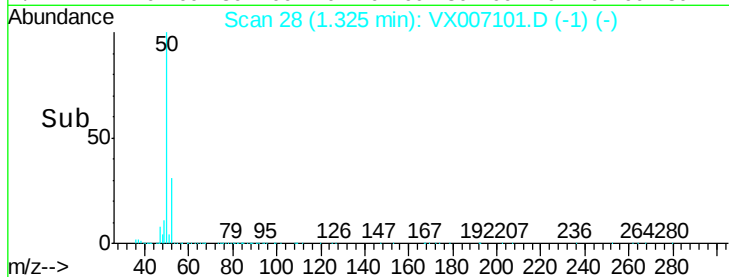
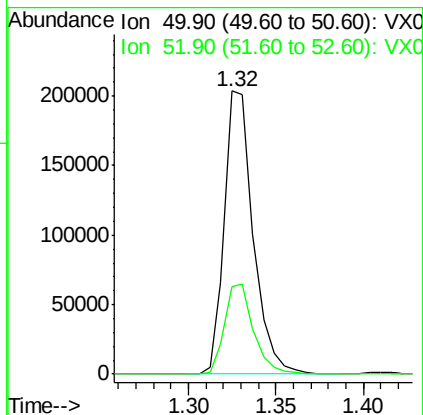
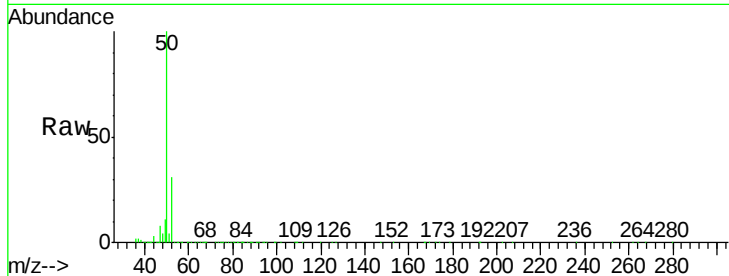
50 100

52 30.7 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#4

Vinyl Chloride

Concen: 48.253 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007101.D

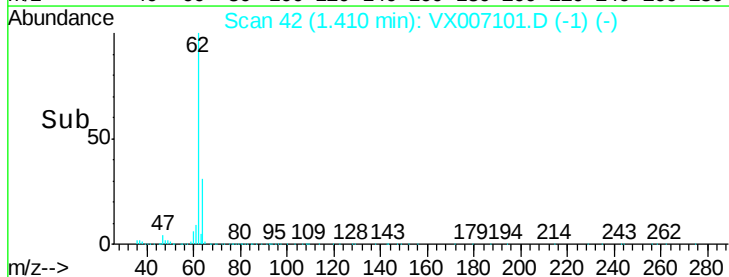
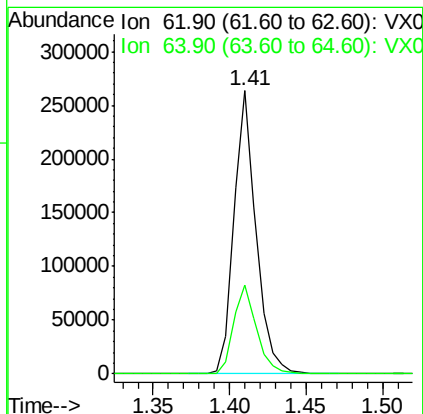
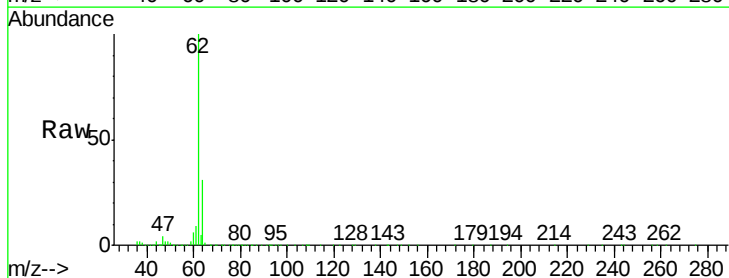
Acq: 17 Jan 2019 20:42

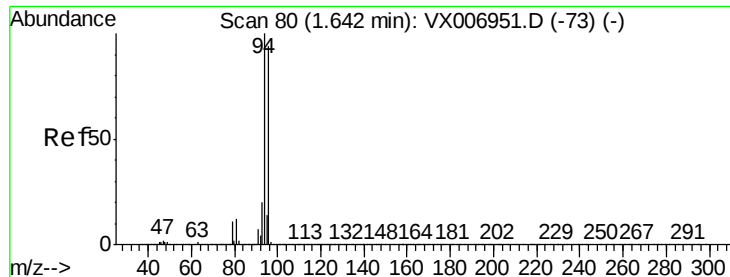
Tgt Ion: 62 Resp: 263540

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 43.468 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 253649

Ion Ratio Lower Upper

94 100

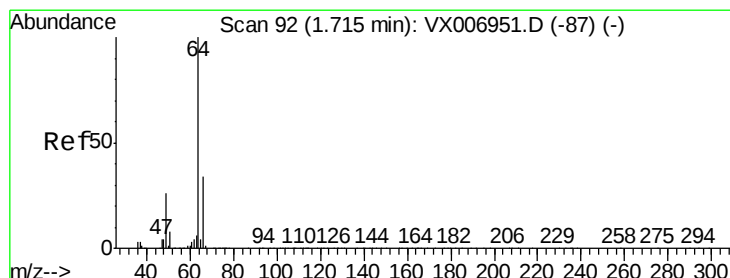
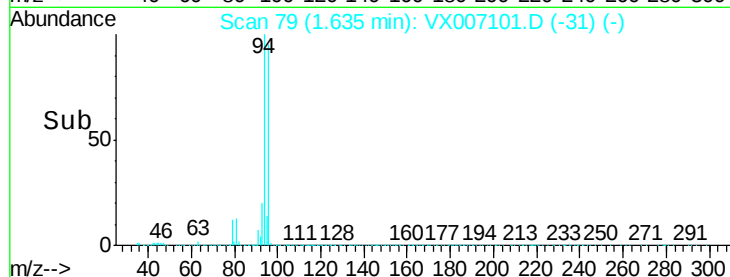
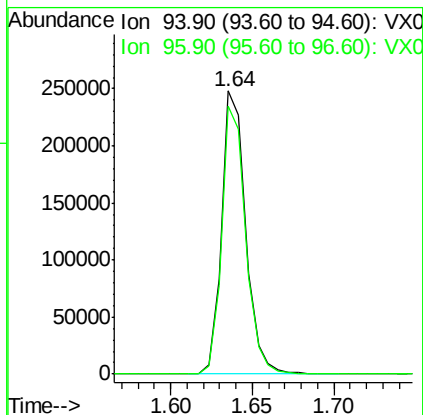
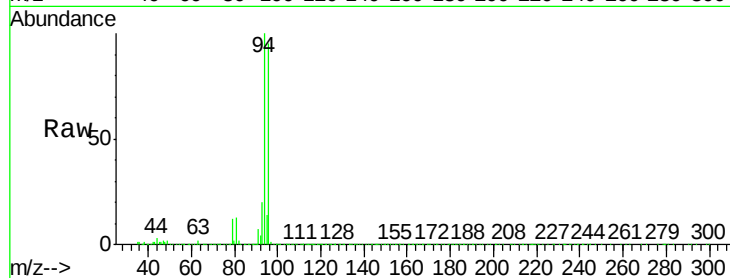
96 94.9 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#6

Chloroethane

Concen: 45.539 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007101.D

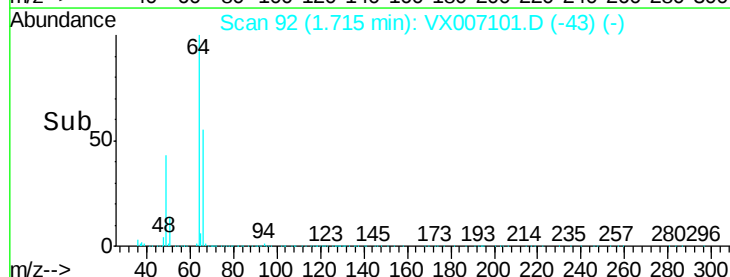
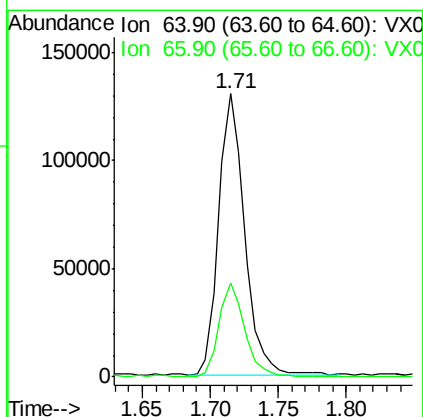
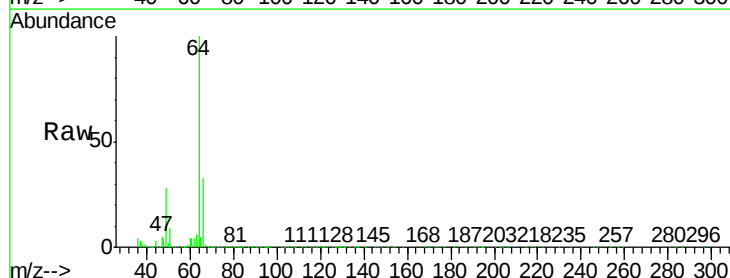
Acq: 17 Jan 2019 20:42

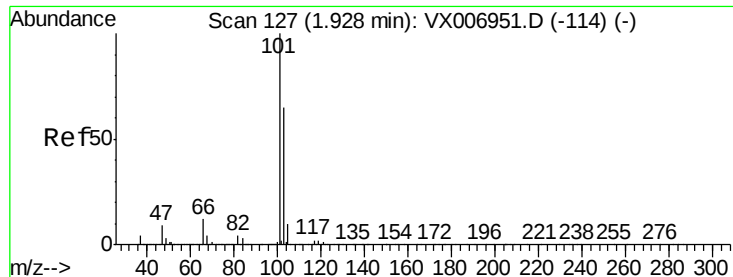
Tgt Ion: 64 Resp: 173667

Ion Ratio Lower Upper

64 100

66 33.5 26.4 39.6





#7

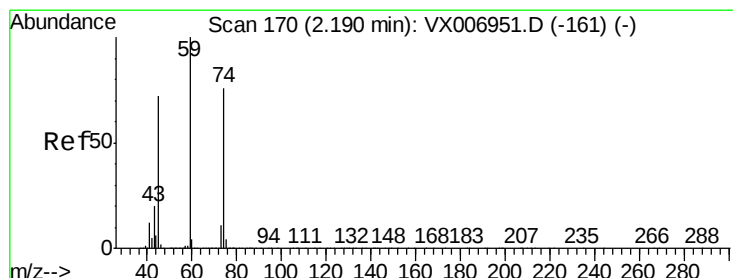
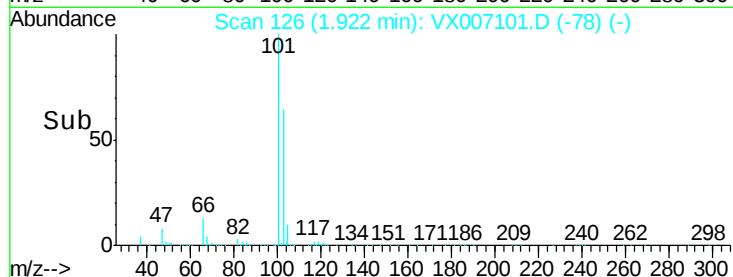
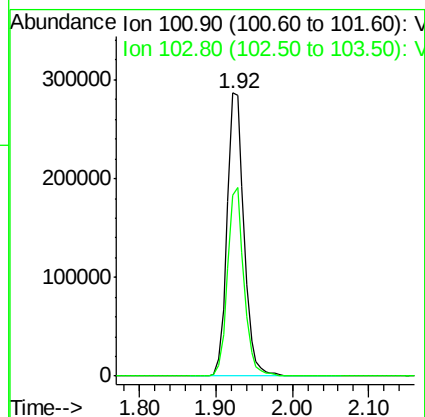
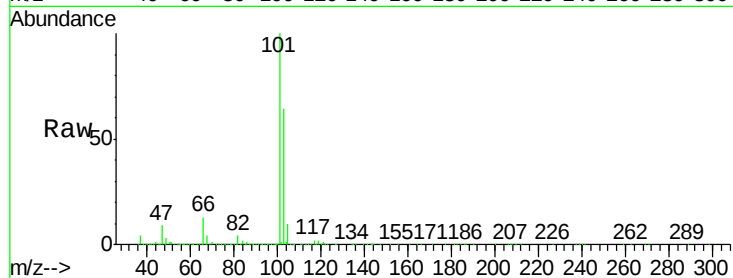
Trichlorofluoromethane
Concen: 49.540 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.2	79.8

Manual Integrations
APPROVED

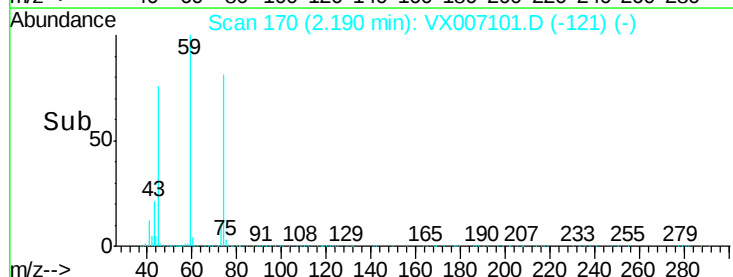
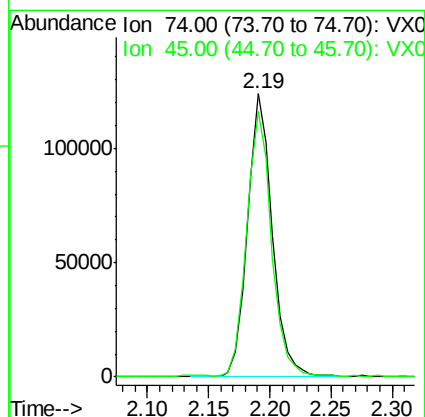
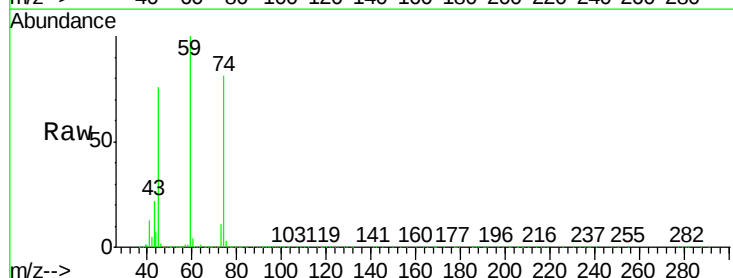
MMDadoda
1/18/2019 10:24:35 AM

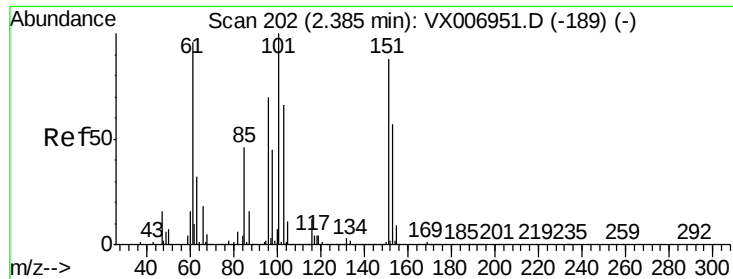


#8

Diethyl Ether
Concen: 49.667 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.605 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

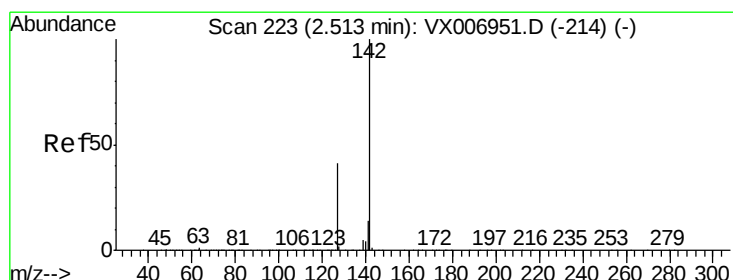
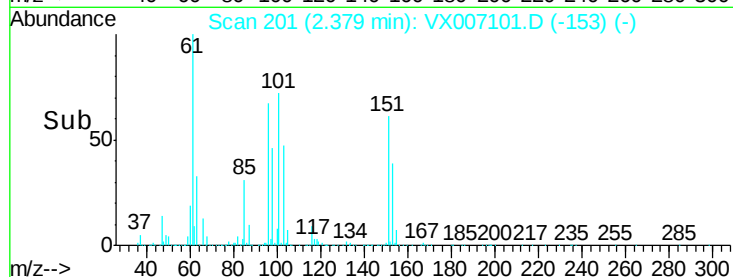
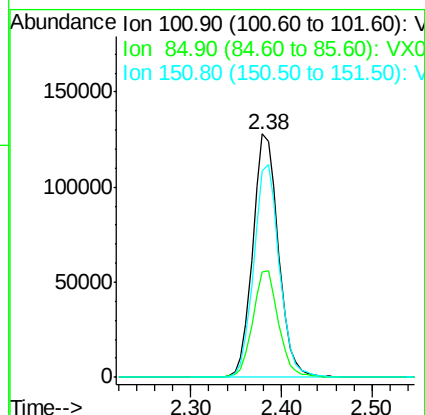
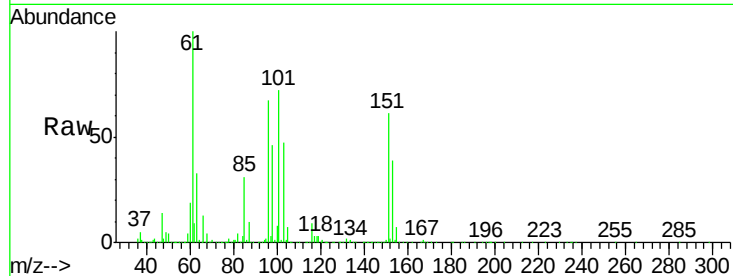
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	251512
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.1	52.7
151	87.0	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#10

Methyl Iodide

Concen: 51.321 ug/l

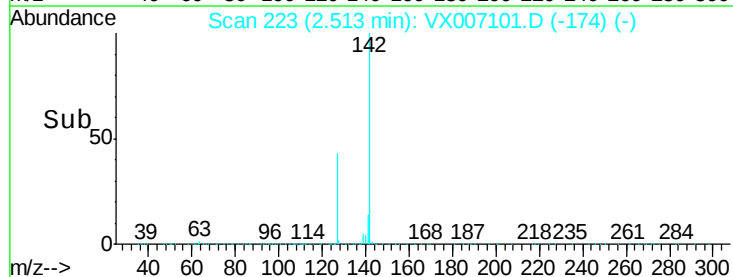
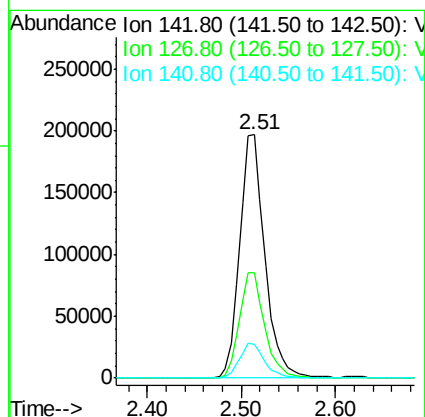
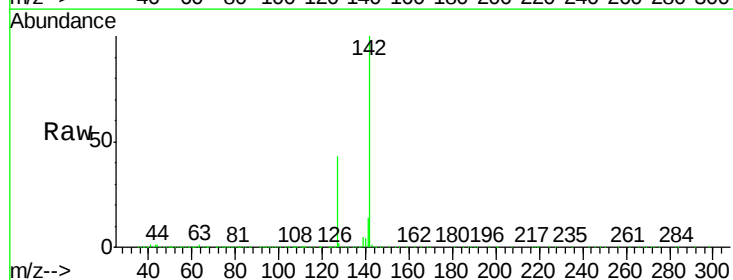
RT: 2.51 min Scan# 223

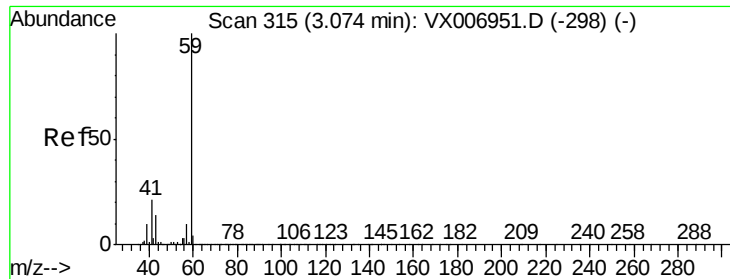
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	142	Resp:	365749
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.9	50.9
141	14.4	11.4	17.0





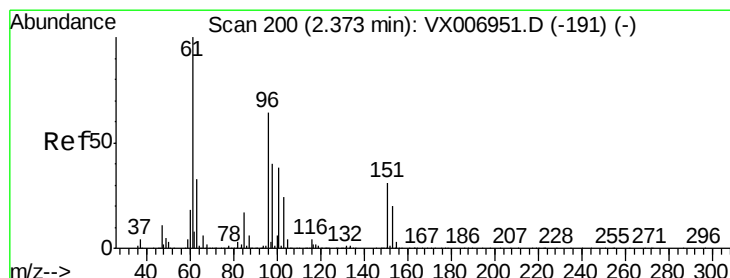
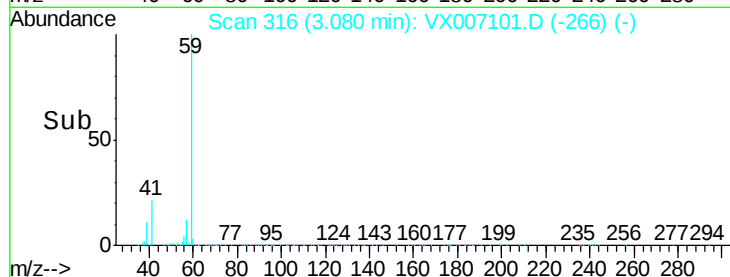
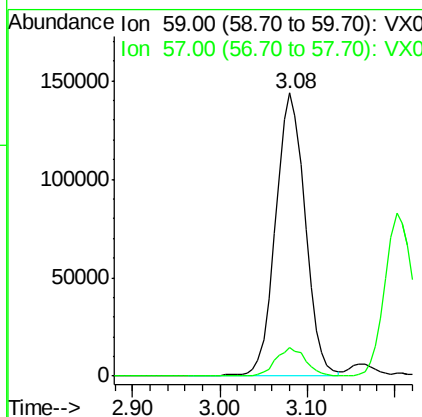
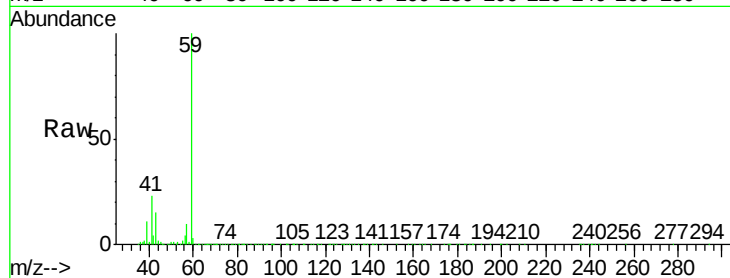
#11
Tert butyl alcohol
Concen: 259.616 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 339924
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

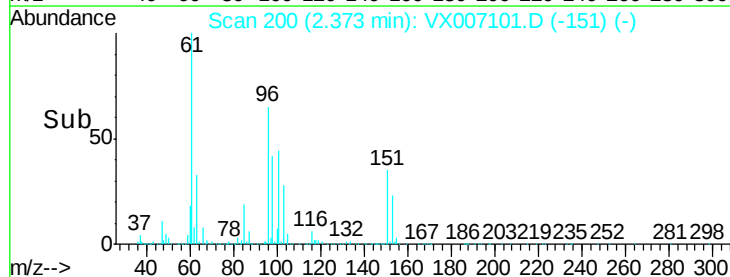
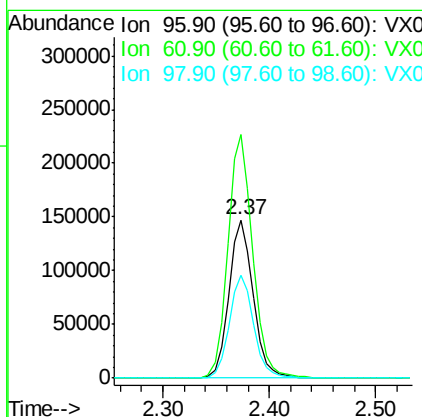
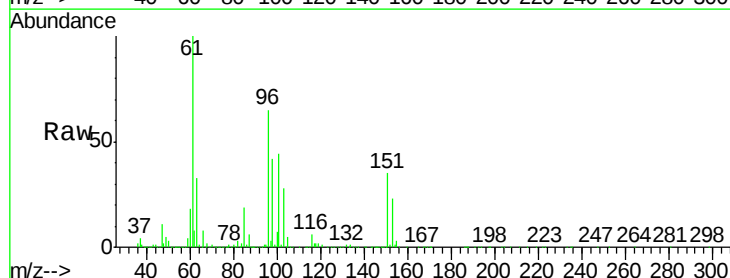
Manual Integrations
APPROVED

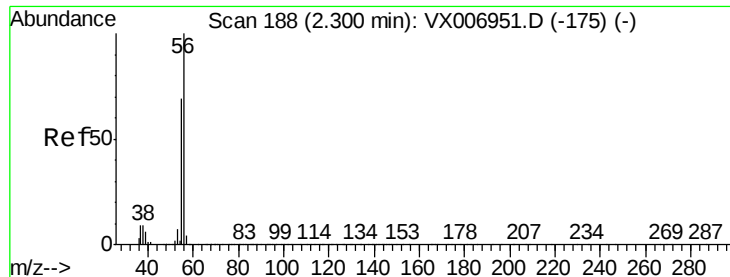
MMDadoda
1/18/2019 10:24:35 AM



#12
1,1-Dichloroethene
Concen: 47.847 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion: 96 Resp: 233557
Ion Ratio Lower Upper
96 100
61 154.2 121.4 182.2
98 65.3 51.9 77.9





#13

Acrolein

Concen: 260.496 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 147175

Ion Ratio Lower Upper

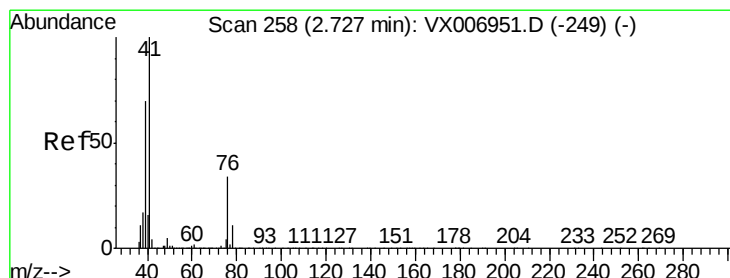
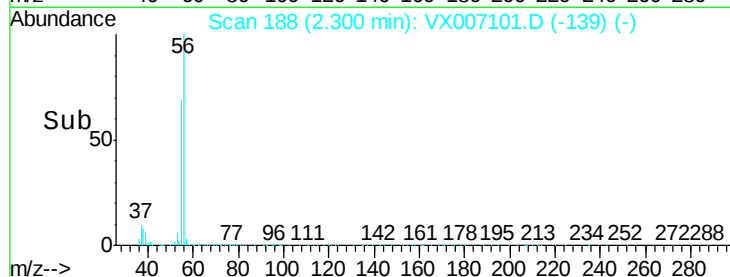
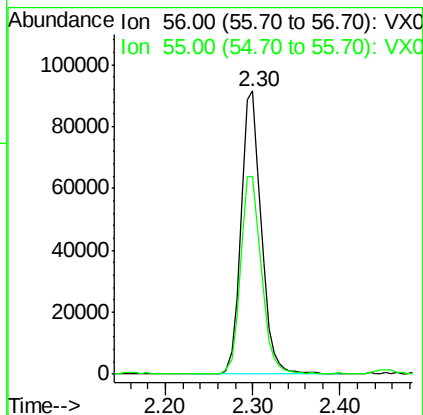
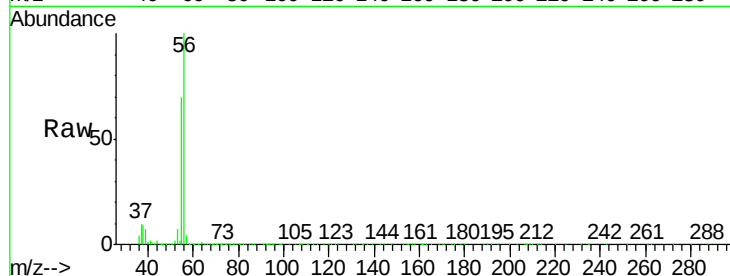
56 100

55 71.6 58.2 87.4

Manual Integrations
APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#14

Allyl chloride

Concen: 49.580 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

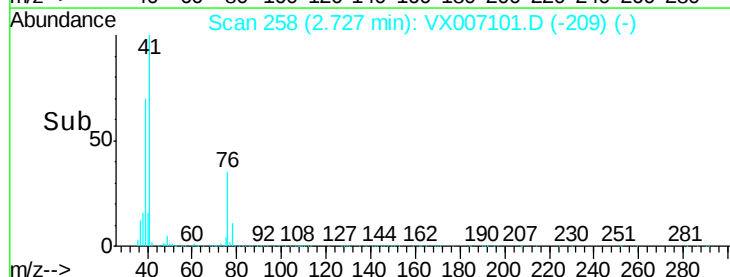
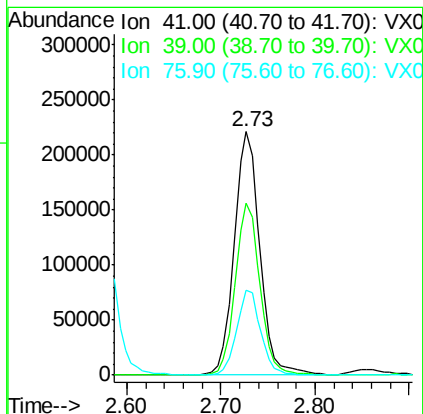
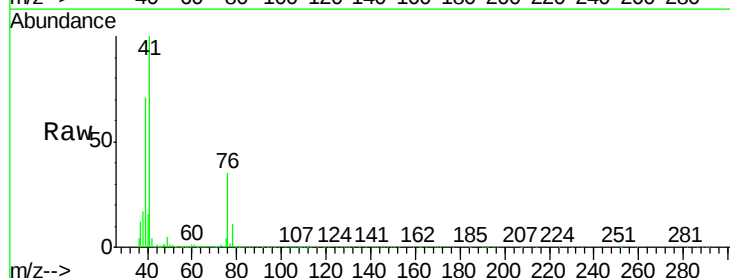
Tgt Ion: 41 Resp: 414766

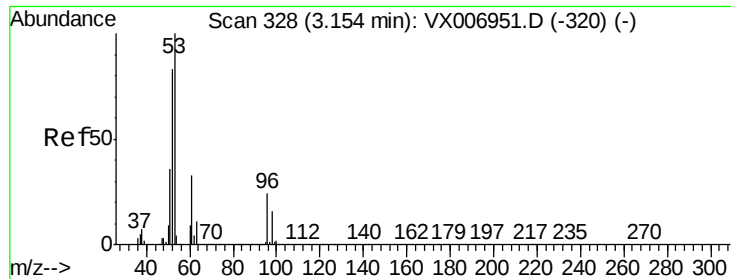
Ion Ratio Lower Upper

41 100

39 68.0 53.6 80.4

76 32.7 27.4 41.2





#15

Acrylonitrile

Concen: 259.304 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

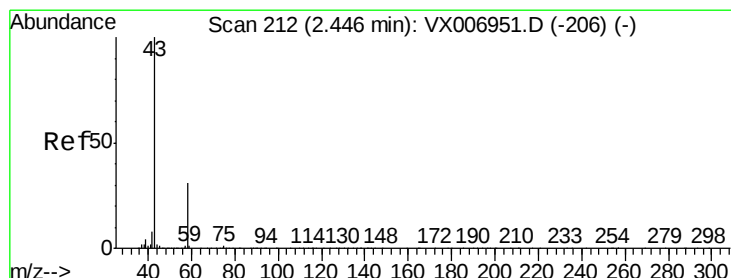
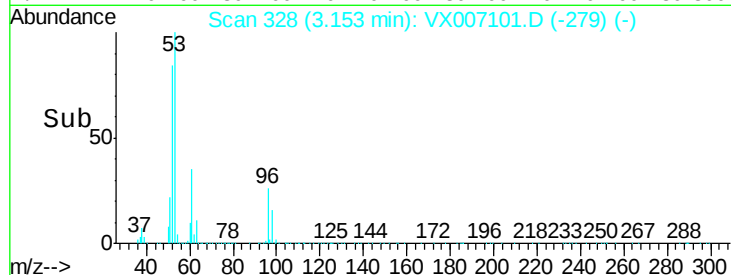
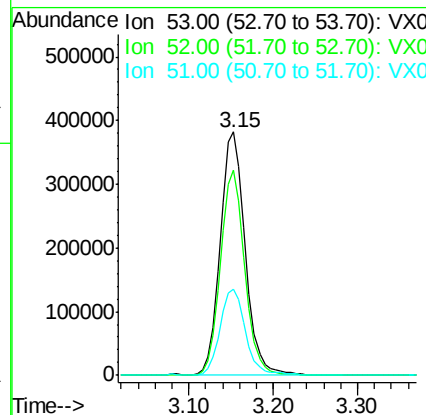
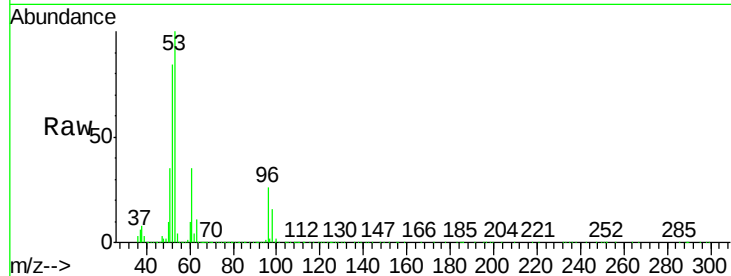
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	779406
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.0	99.0
51	36.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#16

Acetone

Concen: 246.381 ug/l

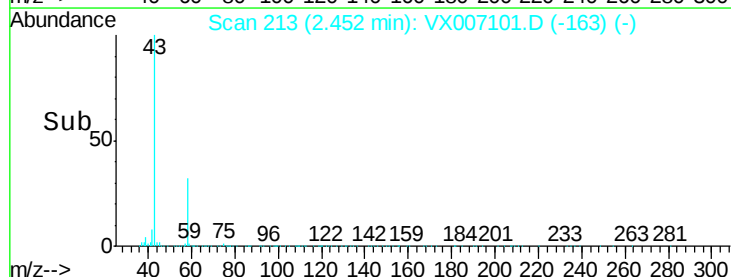
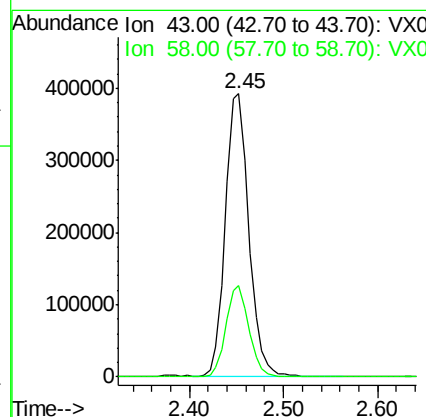
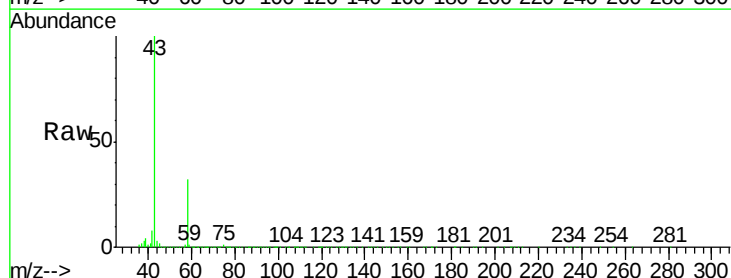
RT: 2.45 min Scan# 213

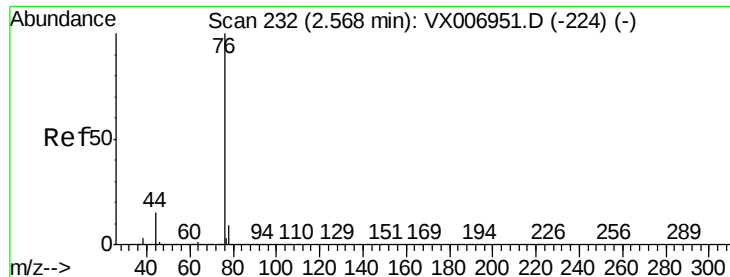
Delta R.T. 0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	43	Resp:	676071
Ion Ratio	Lower	Upper	
43	100		
58	32.1	25.0	37.6





#17

Carbon Disulfide

Concen: 43.330 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 544541

Ion Ratio Lower Upper

76 100

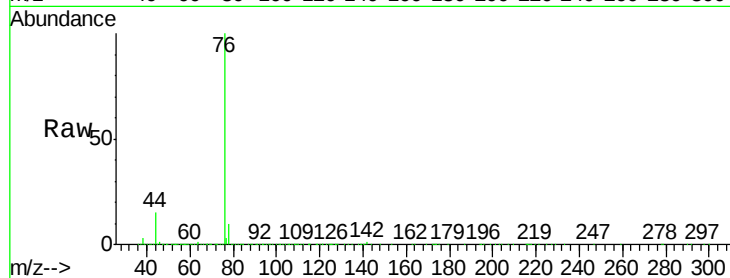
78 9.5 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

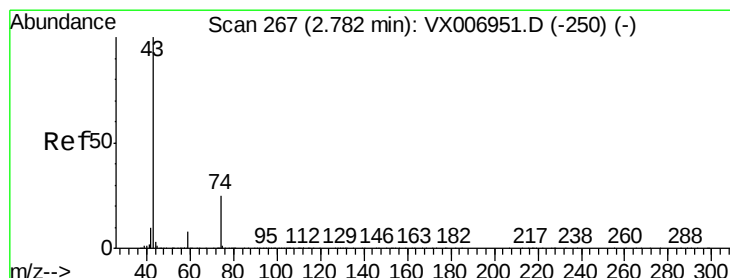
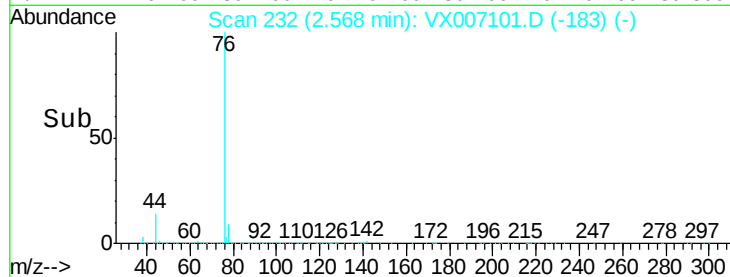
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 54.566 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007101.D

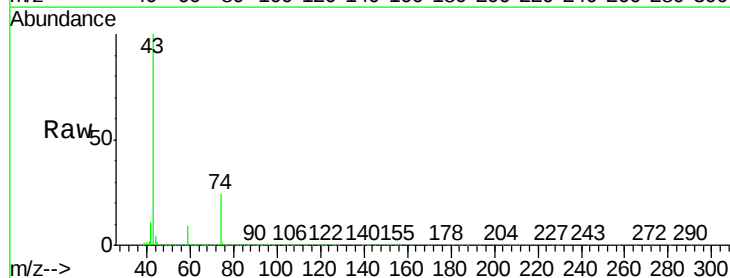
Acq: 17 Jan 2019 20:42

Tgt Ion: 43 Resp: 433608

Ion Ratio Lower Upper

43 100

74 23.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250000

200000

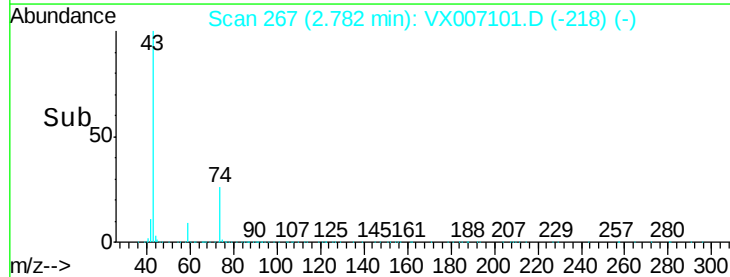
150000

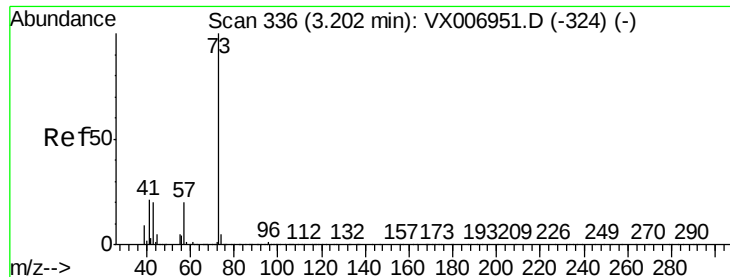
100000

50000

0

Time-->





#19

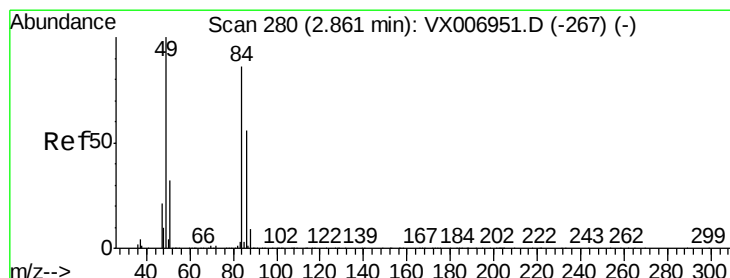
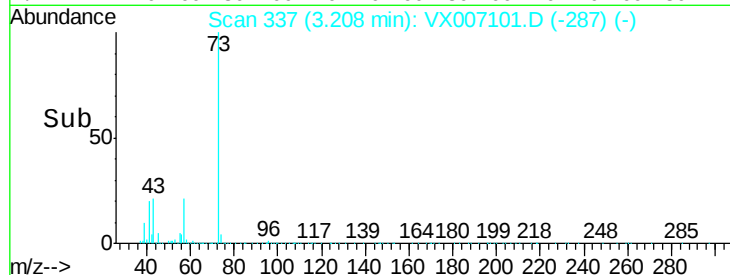
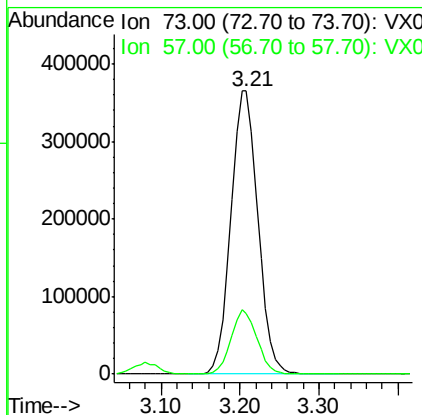
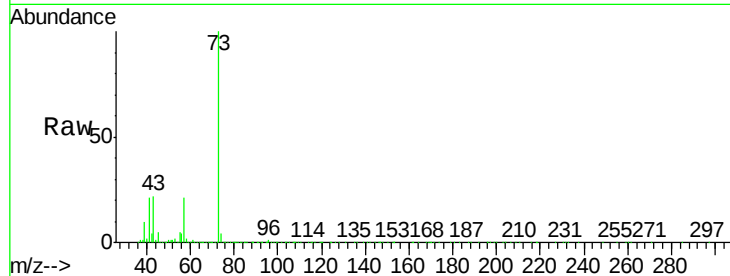
Methyl tert-butyl Ether
Concen: 51.394 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

Manual Integrations
APPROVED

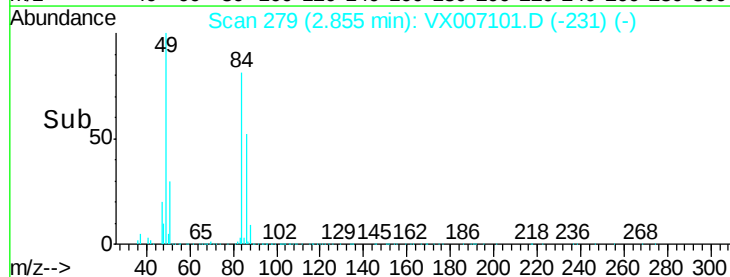
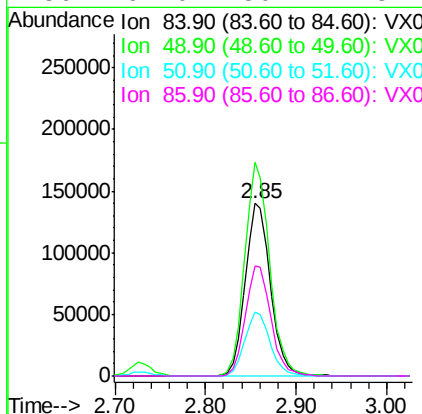
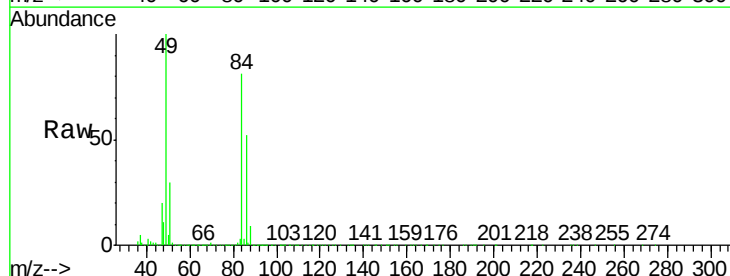
MMDadoda
1/18/2019 10:24:35 AM

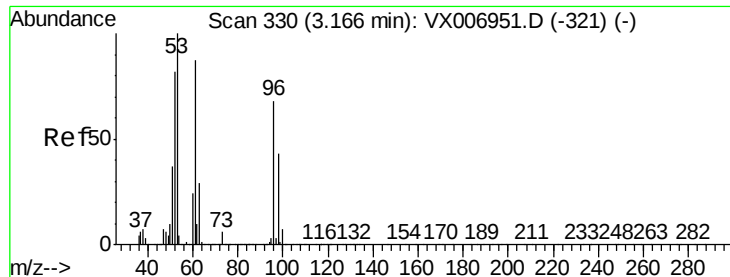


#20

Methylene Chloride
Concen: 51.600 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	91.8	137.6
51	36.8	28.5	42.7
86	64.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.858 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

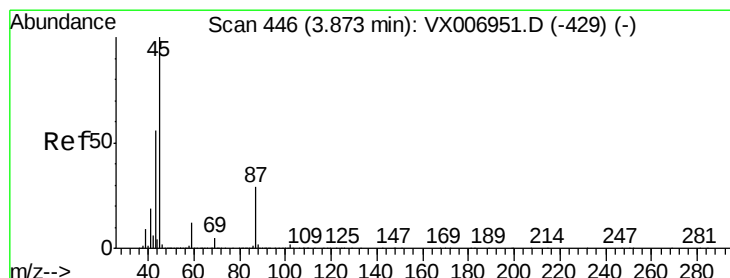
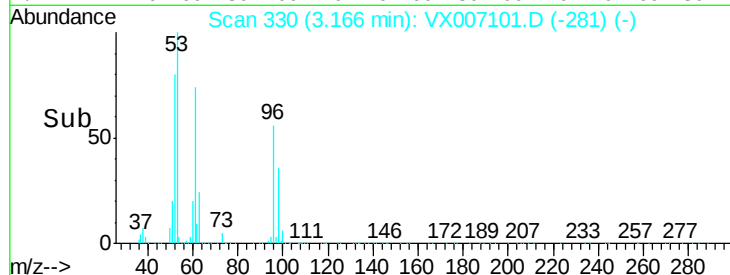
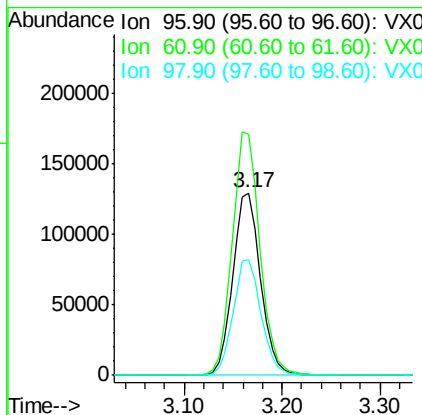
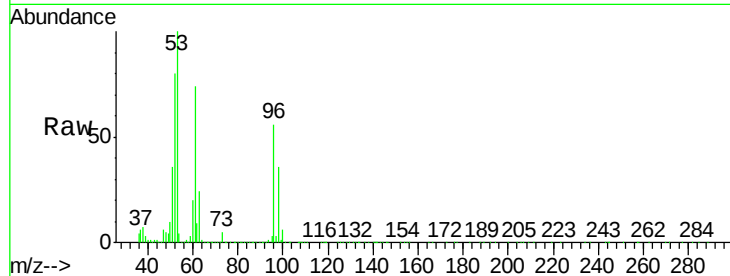
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	254892
Ion	Ratio	Lower	Upper
96	100		
61	132.2	103.7	155.5
98	63.5	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#22

Diisopropyl ether

Concen: 49.881 ug/l

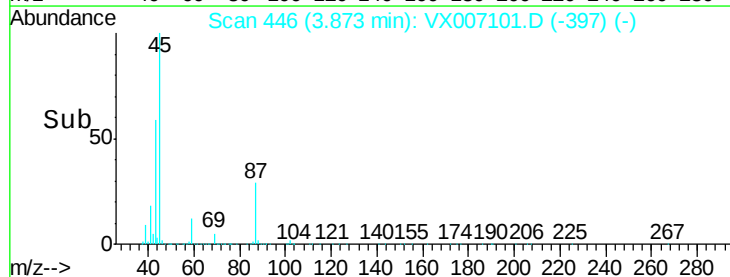
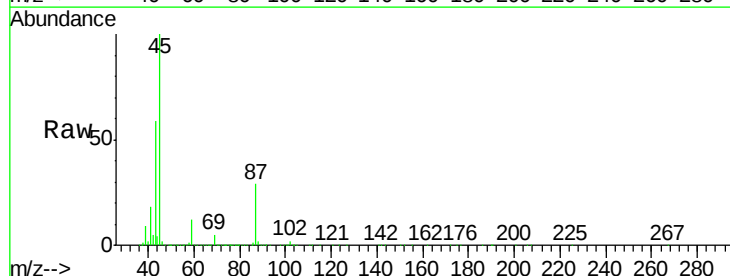
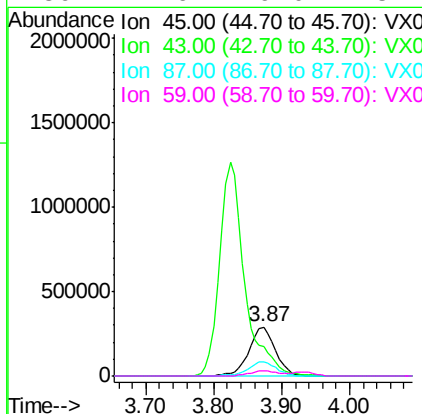
RT: 3.87 min Scan# 446

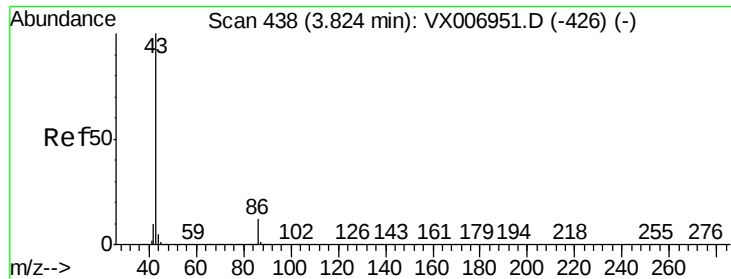
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	45	Resp:	784496
Ion	Ratio	Lower	Upper
45	100		
43	59.1	51.2	76.8
87	28.7	25.8	38.6
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 245.534 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3256551

Ion Ratio Lower Upper

43 100

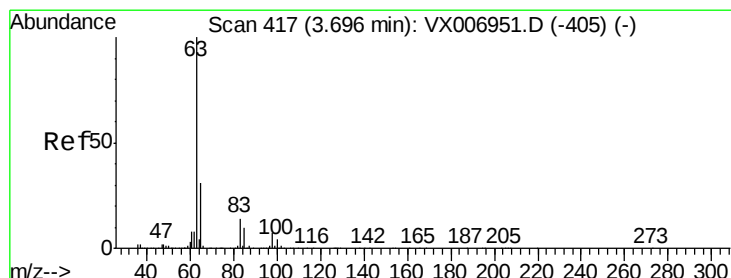
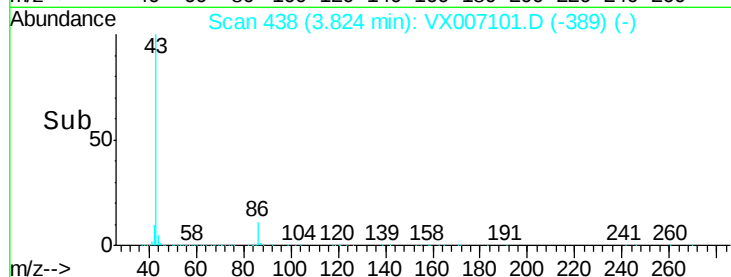
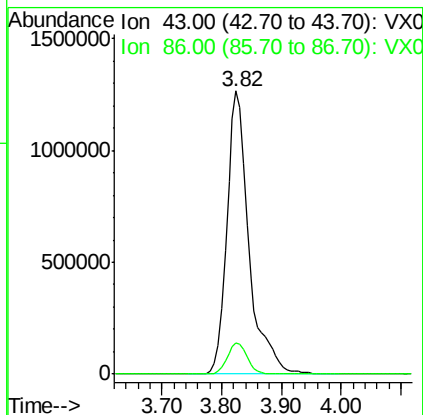
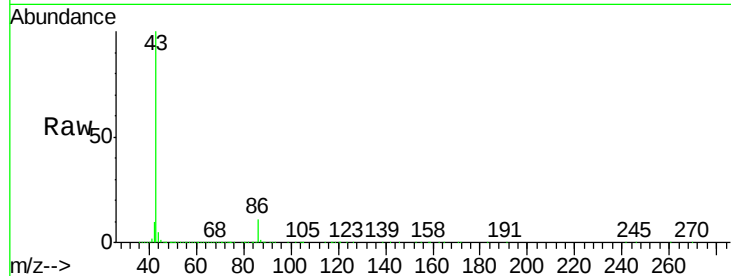
86 10.9 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#24

1,1-Dichloroethane

Concen: 48.413 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

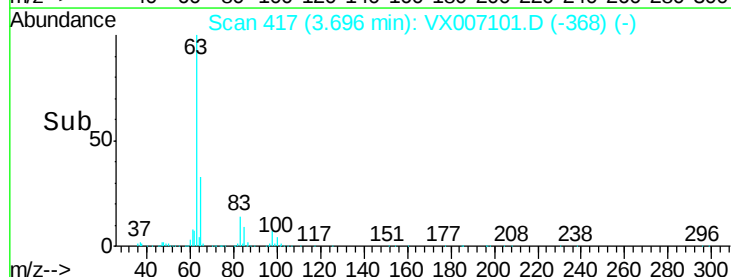
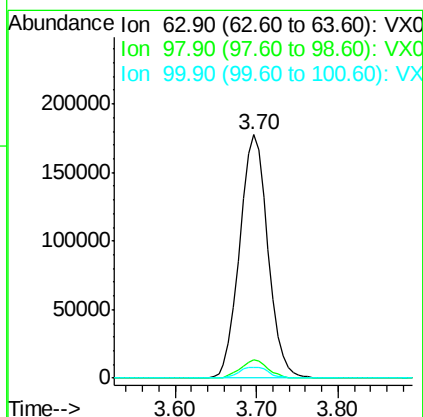
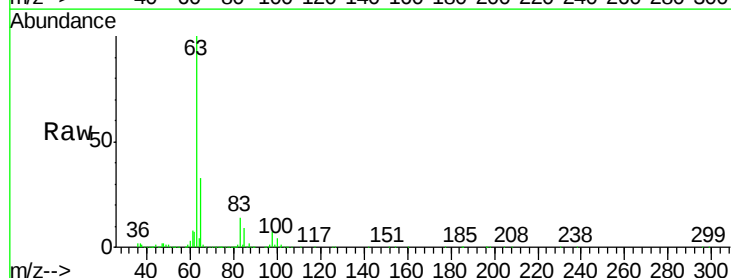
Tgt Ion: 63 Resp: 425754

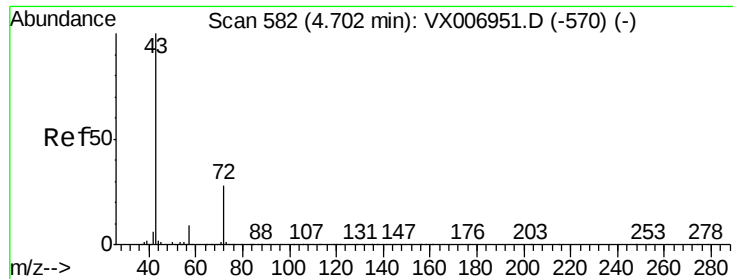
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 253.563 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 995559

Ion Ratio Lower Upper

43 100

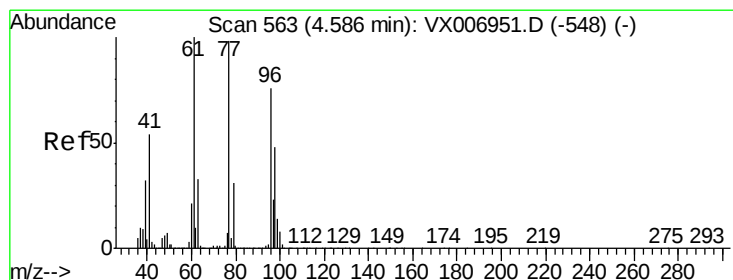
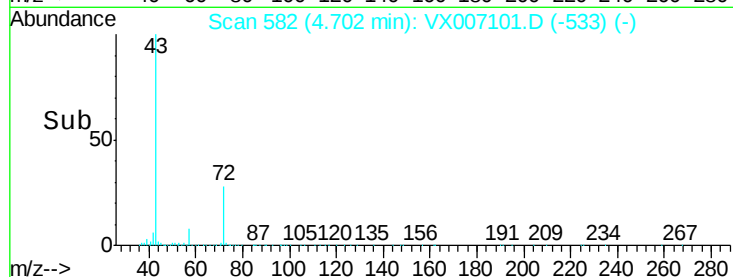
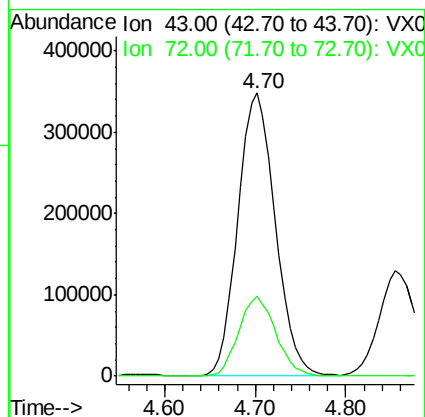
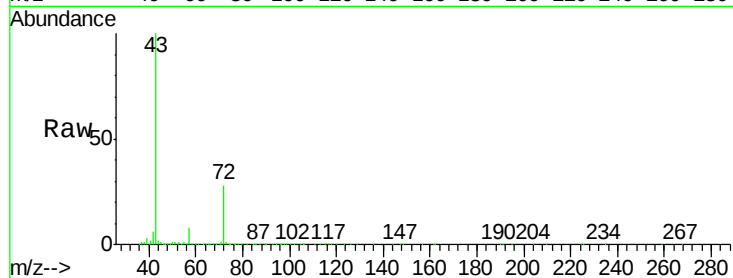
72 28.3 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#26

2,2-Dichloropropane

Concen: 43.954 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007101.D

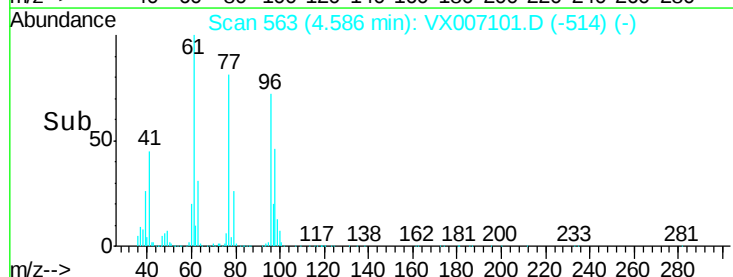
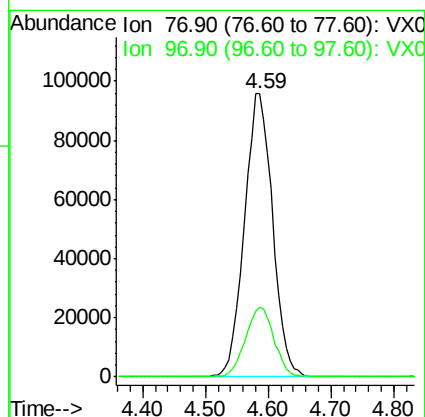
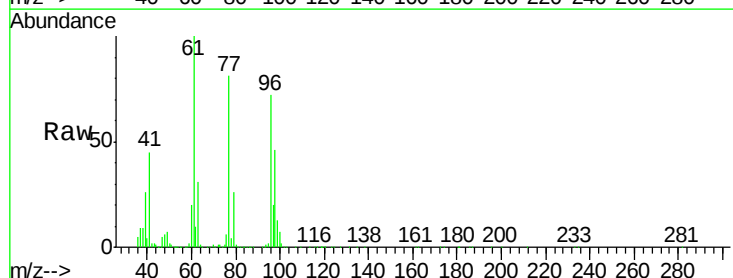
Acq: 17 Jan 2019 20:42

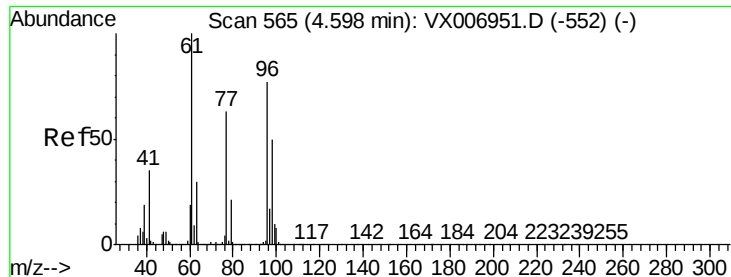
Tgt Ion: 77 Resp: 297229

Ion Ratio Lower Upper

77 100

97 25.0 12.4 37.4





#27

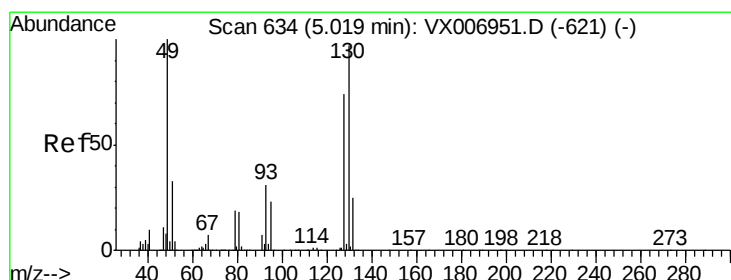
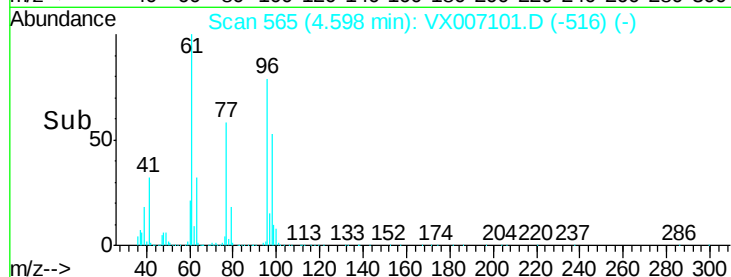
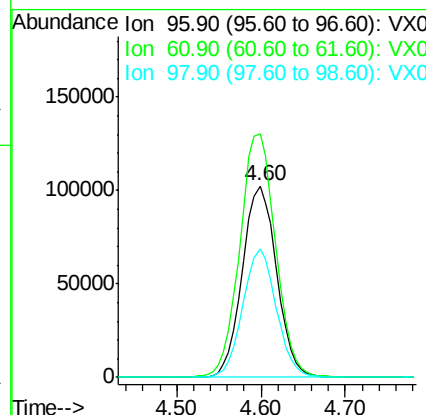
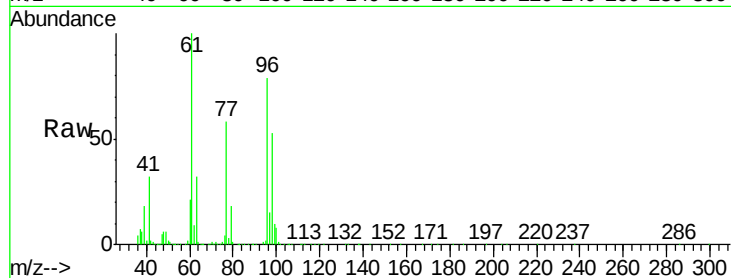
cis-1,2-Dichloroethene
Concen: 47.078 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	258.6
98	65.6	0.0	132.0

Manual Integrations
APPROVED

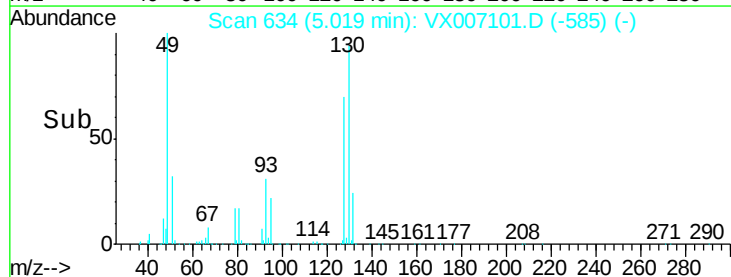
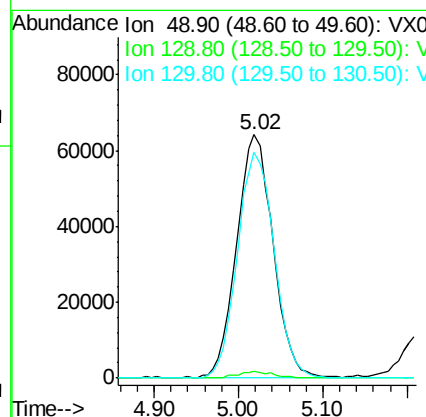
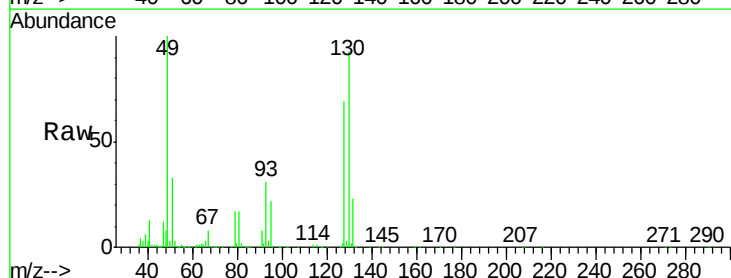
MMDadoda
1/18/2019 10:24:35 AM

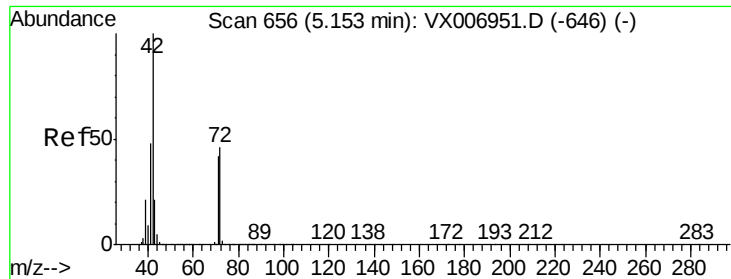


#28

Bromochloromethane
Concen: 48.736 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	94.0	77.7	116.5





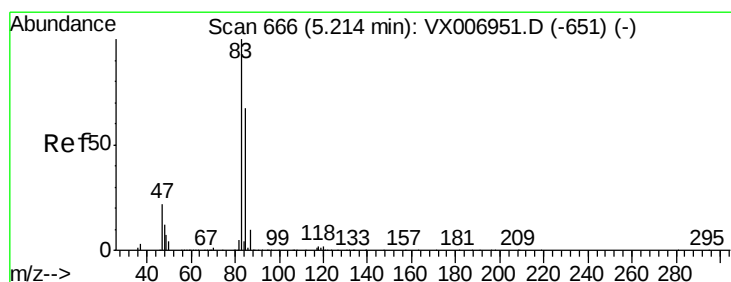
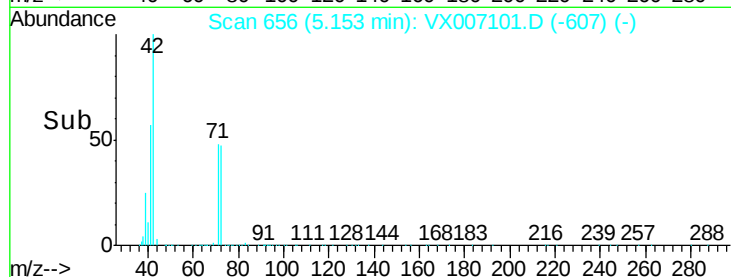
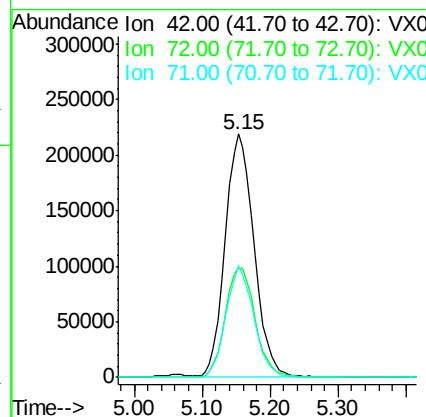
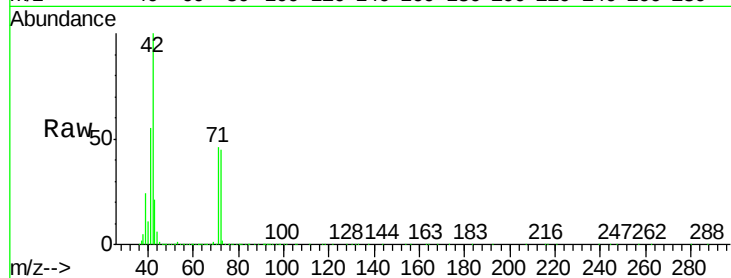
#29
Tetrahydrofuran
Concen: 252.488 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.9	58.3
71	43.9	36.2	54.4

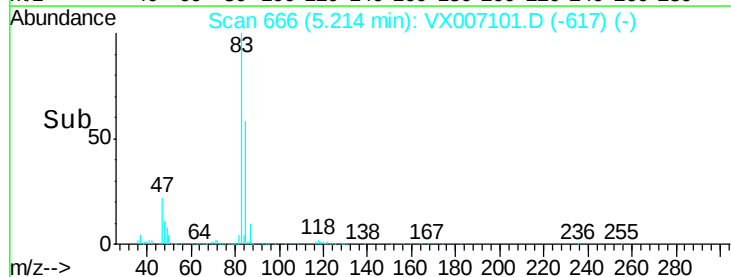
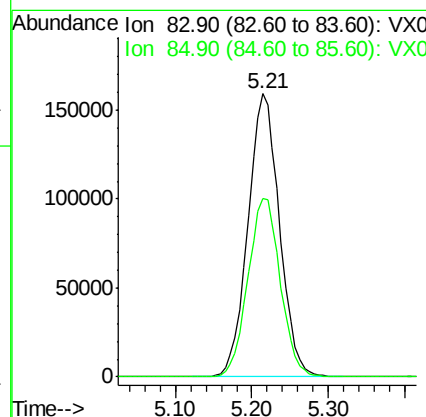
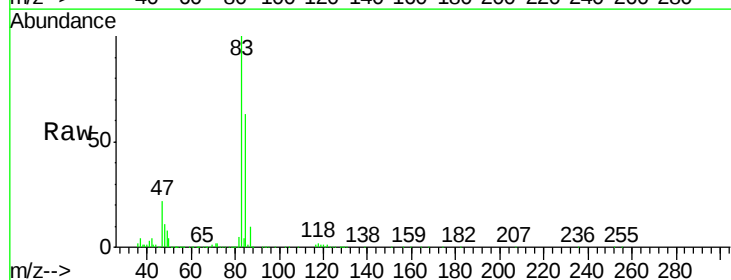
Manual Integrations
APPROVED

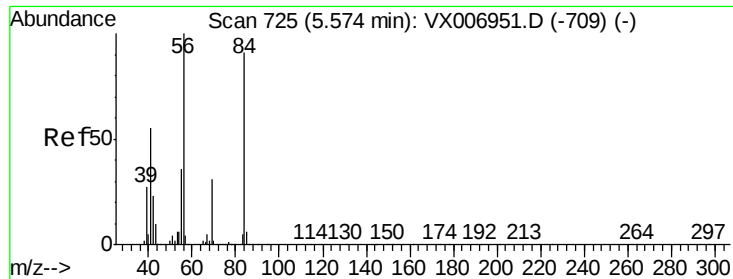
MMDadoda
1/18/2019 10:24:35 AM



#30
Chloroform
Concen: 49.417 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.2	76.8





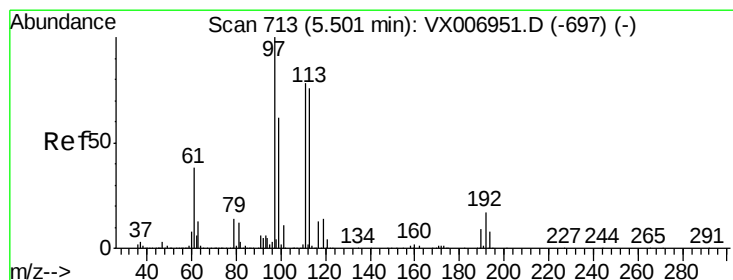
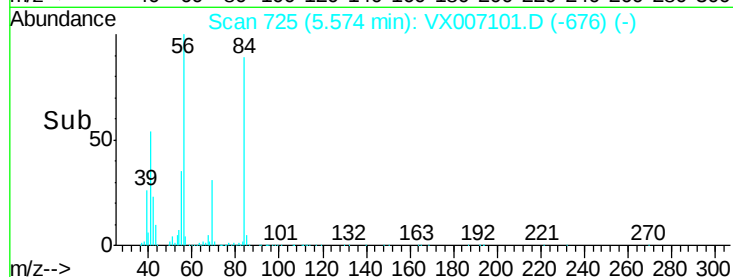
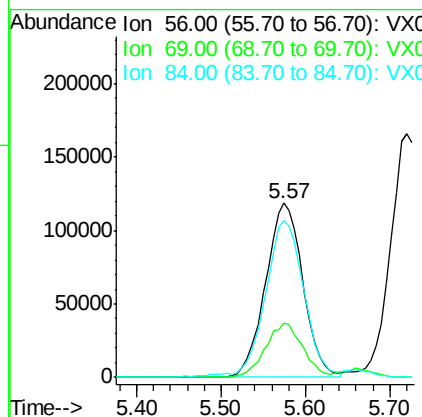
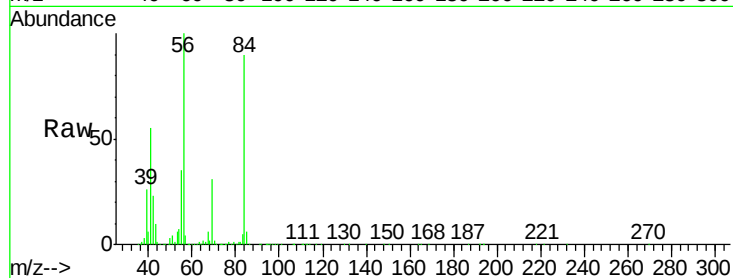
#31
Cyclohexane
Concen: 46.375 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	89.0	70.0	105.0

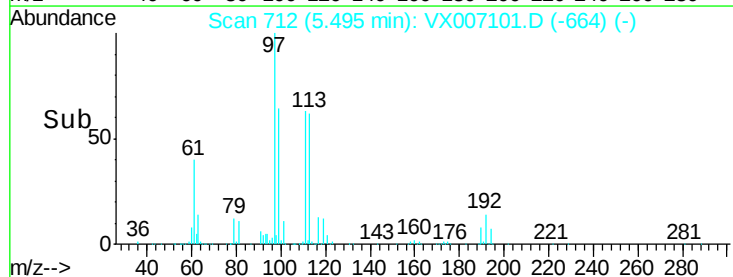
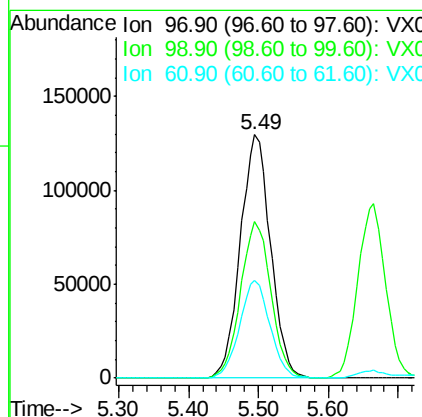
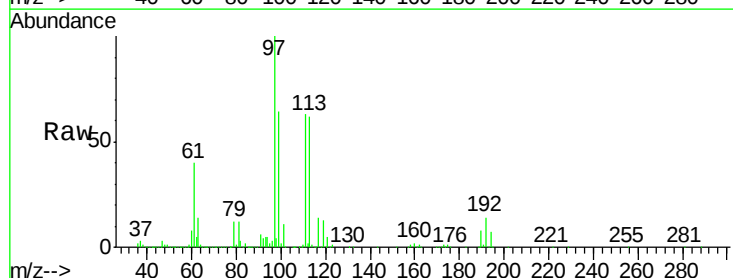
Manual Integrations
APPROVED

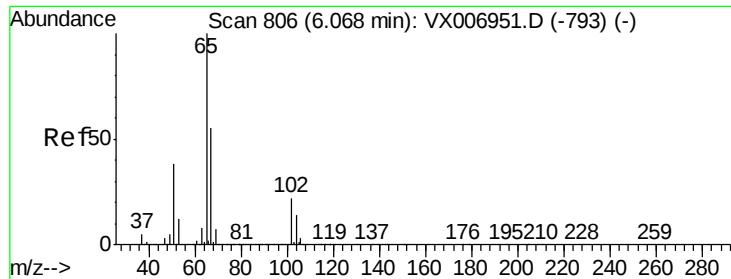
MMDadoda
1/18/2019 10:24:35 AM



#32
1,1,1-Trichloroethane
Concen: 49.874 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	40.1	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.834 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 271056

Ion Ratio Lower Upper

65 100

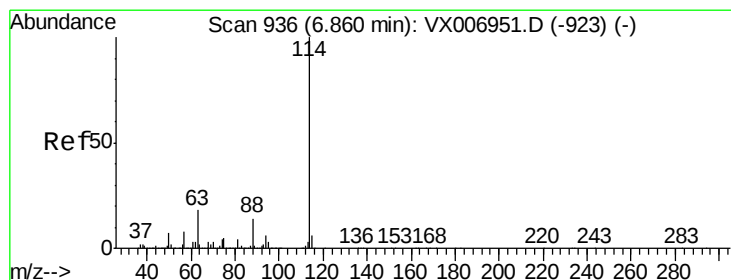
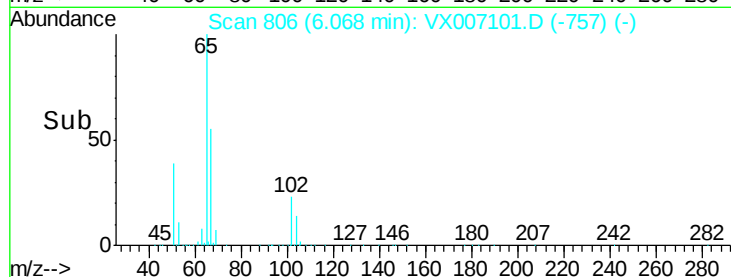
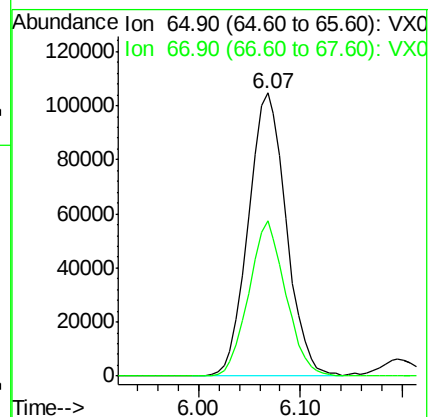
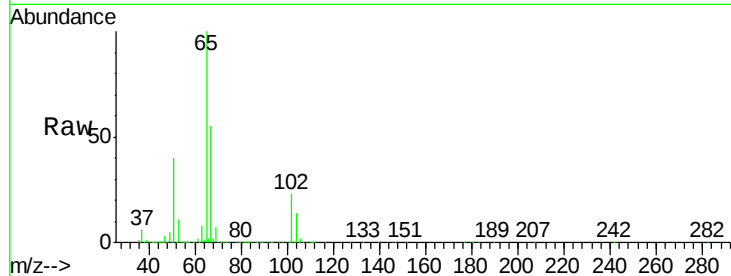
67 53.4 0.0 105.0

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

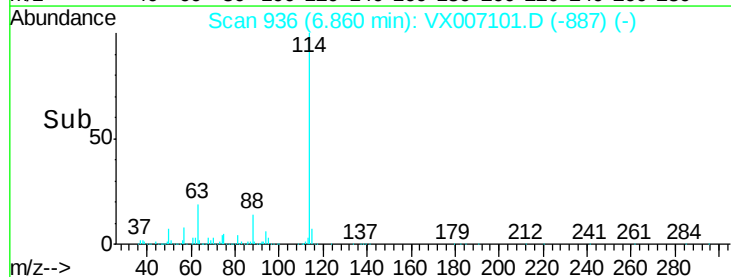
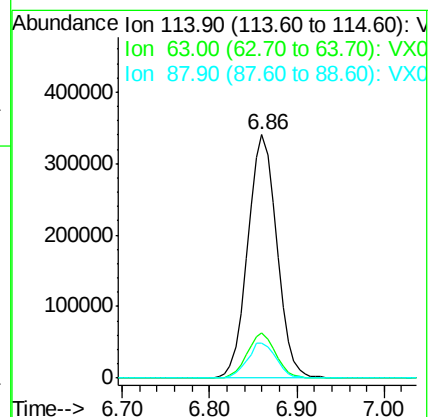
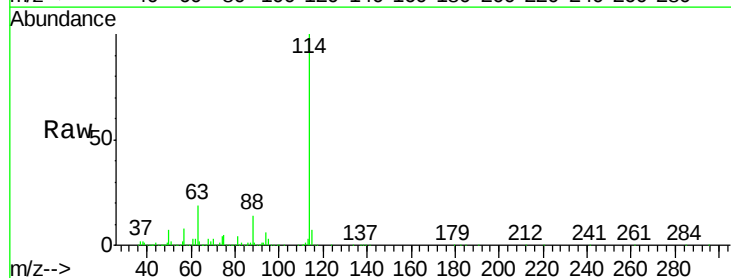
Tgt Ion: 114 Resp: 784524

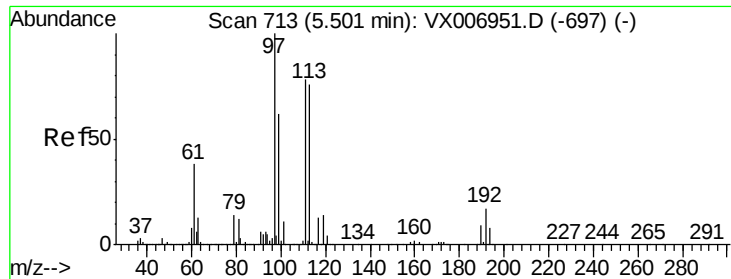
Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 50.151 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

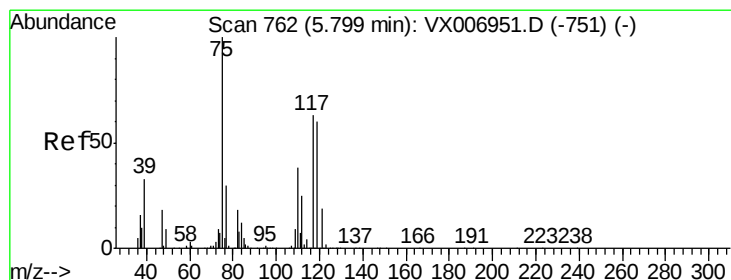
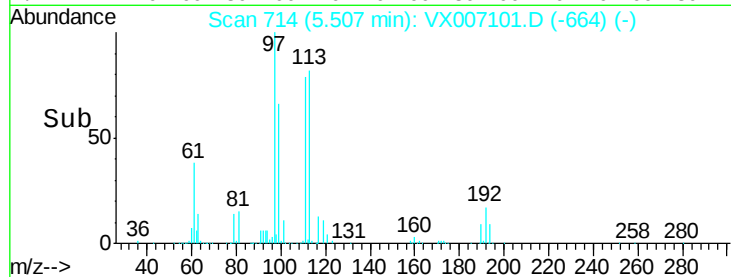
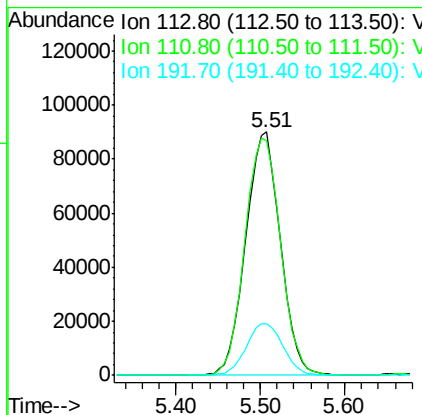
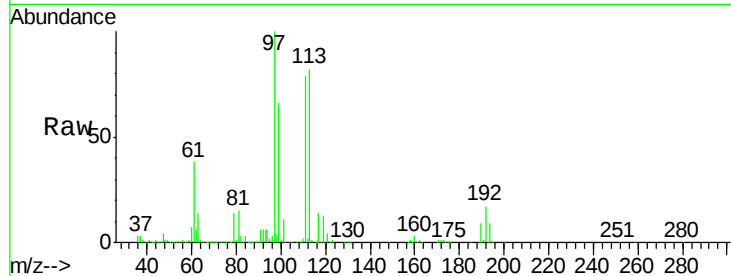
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	251959
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.6	122.4
192	22.5	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#36

1,1-Dichloropropene

Concen: 47.095 ug/l

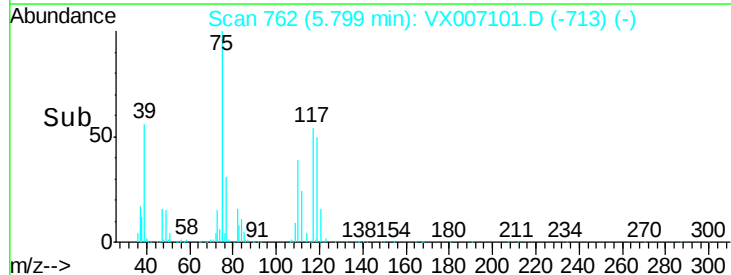
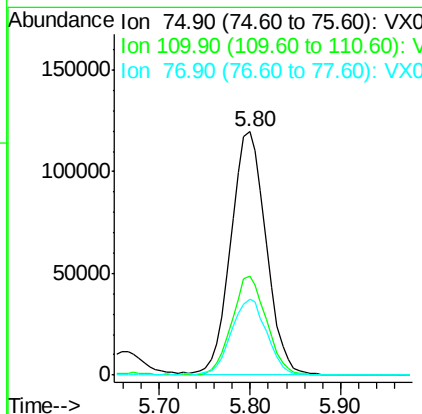
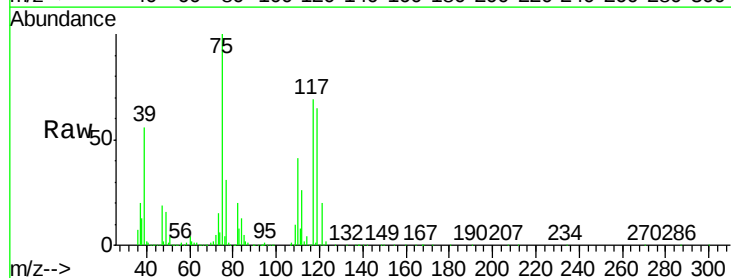
RT: 5.80 min Scan# 762

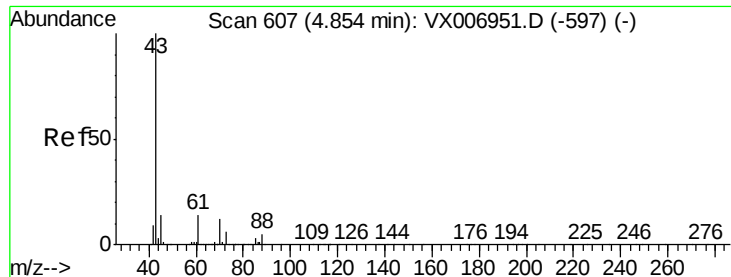
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	75	Resp:	321225
Ion Ratio	Lower	Upper	
75	100		
110	40.2	20.2	60.5
77	31.6	24.8	37.2





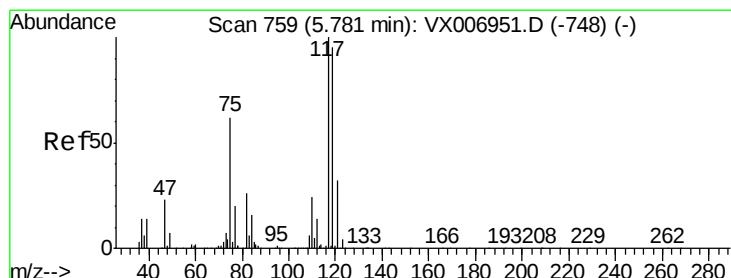
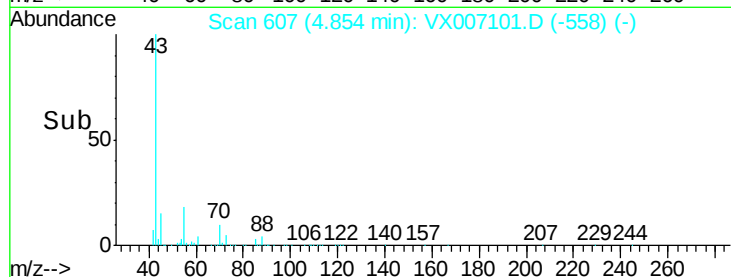
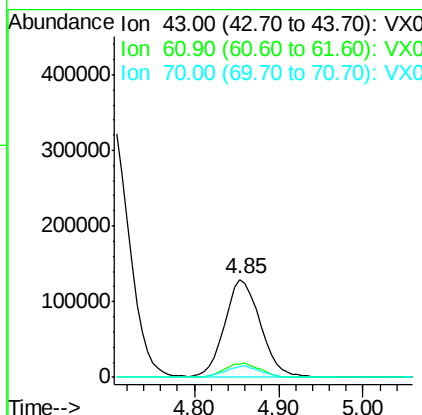
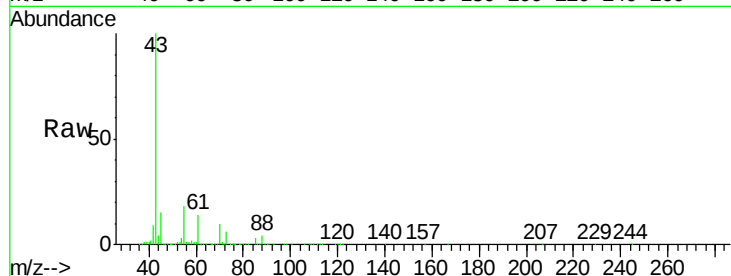
#37
Ethyl Acetate
Concen: 50.885 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	372097
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	11.3	9.7	14.5

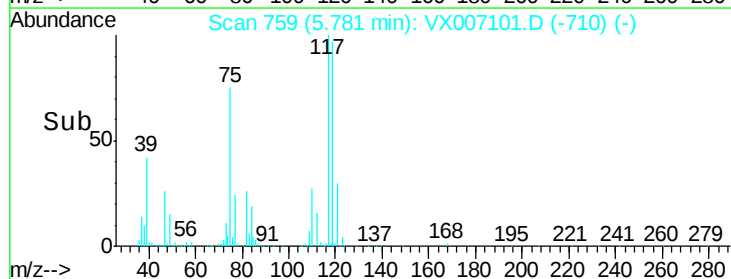
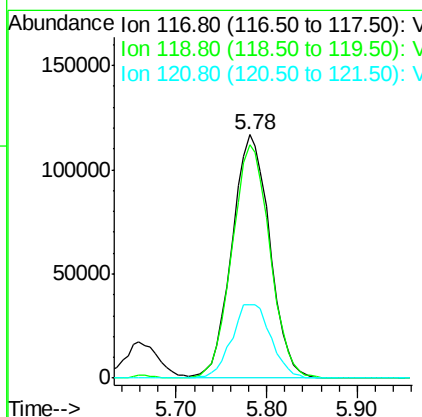
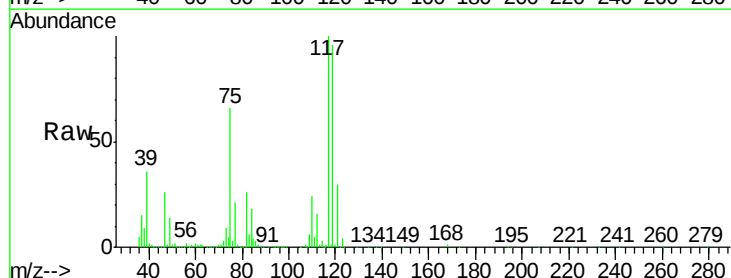
Manual Integrations
APPROVED

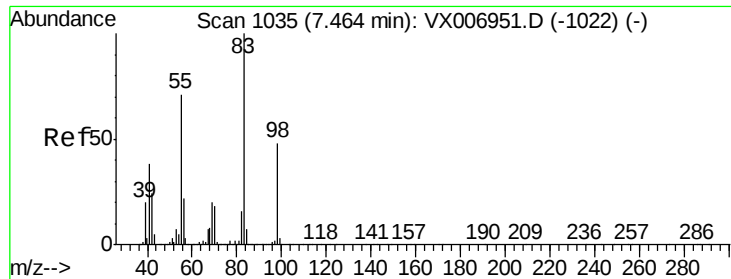
MMDadoda
1/18/2019 10:24:35 AM



#38
Carbon Tetrachloride
Concen: 49.049 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion:	117	Resp:	336601
Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.4	119.2
121	30.1	24.0	36.0





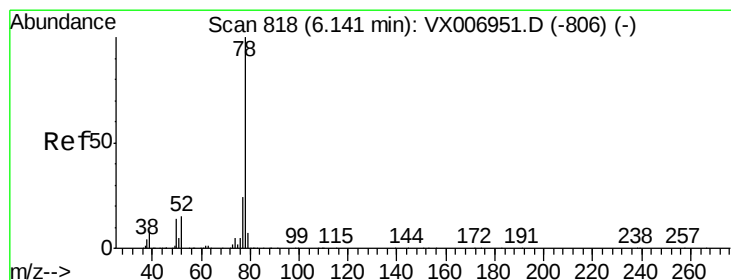
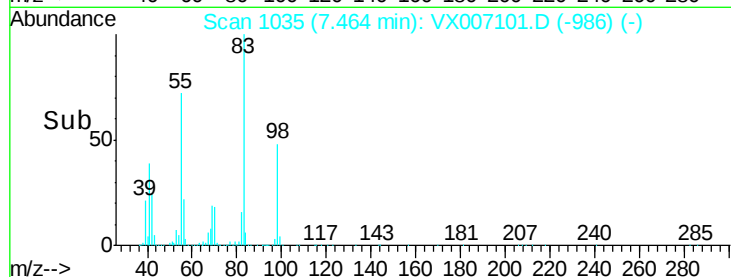
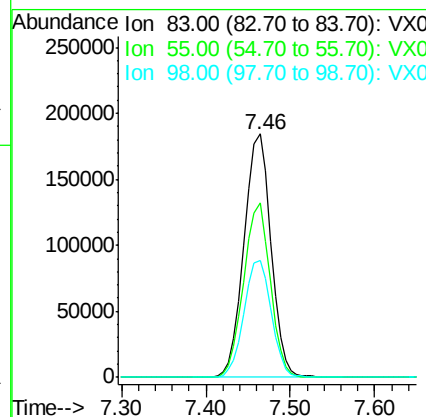
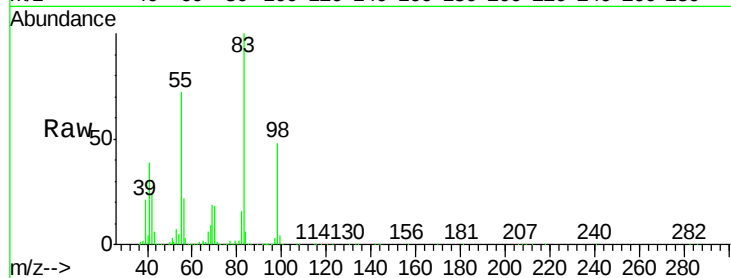
#39
Methylvlcyclohexane
Concen: 45.542 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	54.9	82.3
98	47.8	37.9	56.9

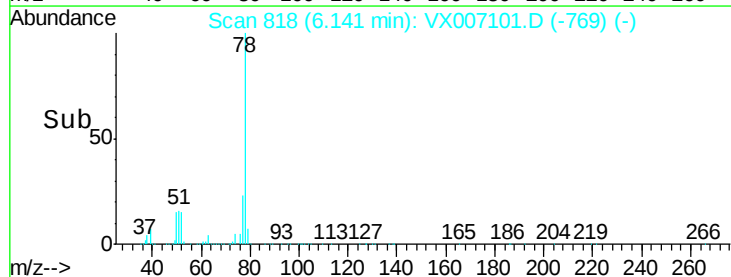
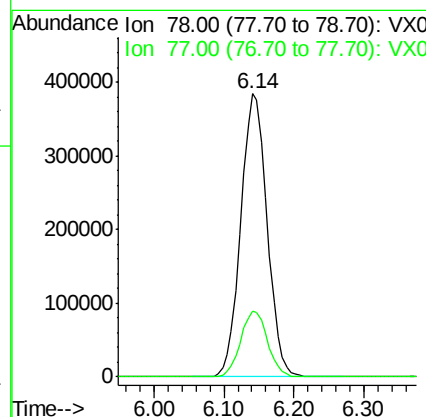
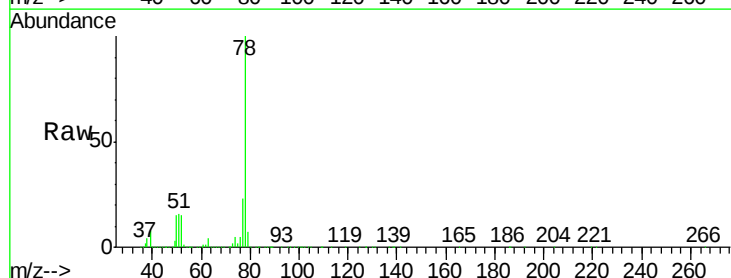
Manual Integrations
APPROVED

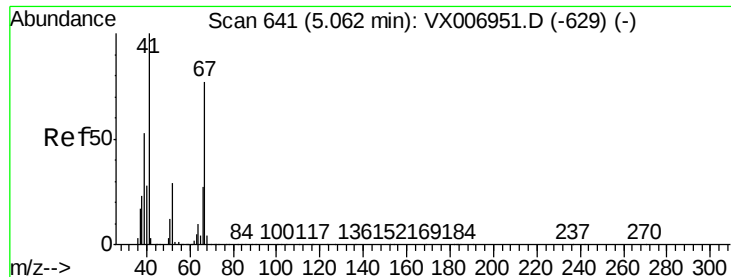
MMDadoda
1/18/2019 10:24:35 AM



#40
Benzene
Concen: 48.239 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 48.166 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

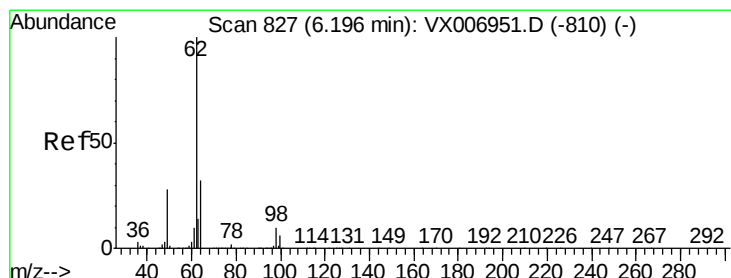
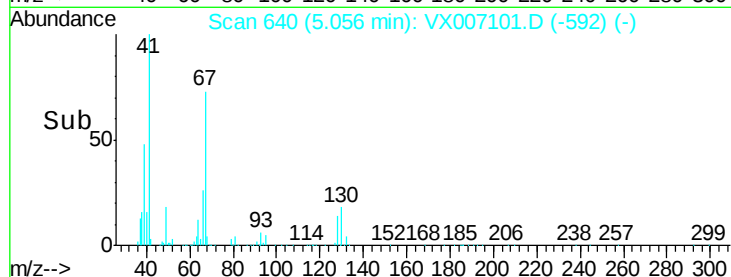
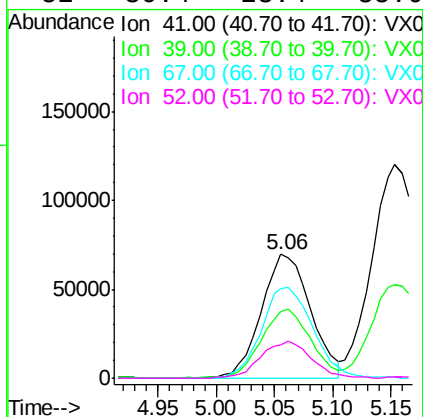
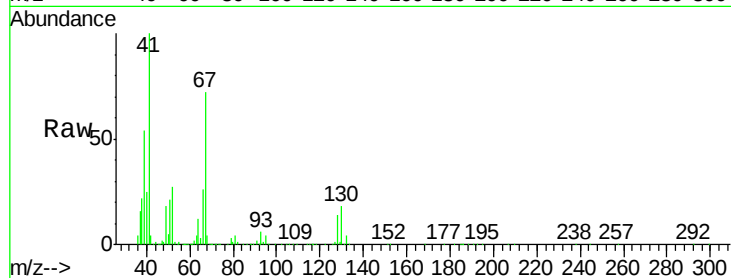
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.8	64.2
67	77.1	62.1	93.1
52	30.4	23.4	35.0

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#42

1,2-Dichloroethane

Concen: 48.048 ug/l

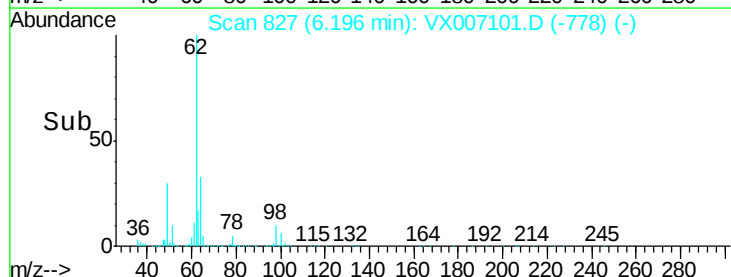
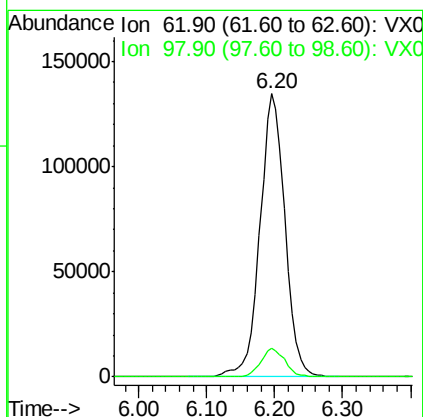
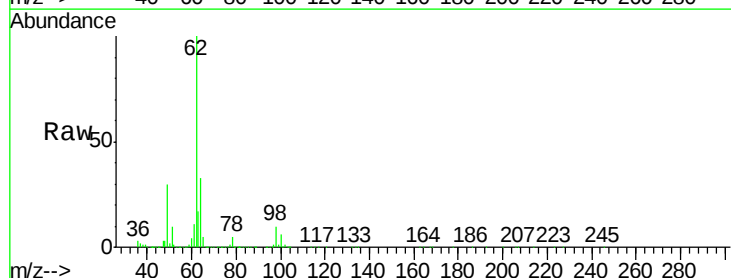
RT: 6.20 min Scan# 827

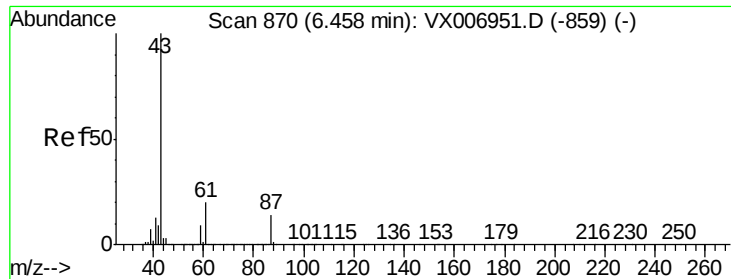
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

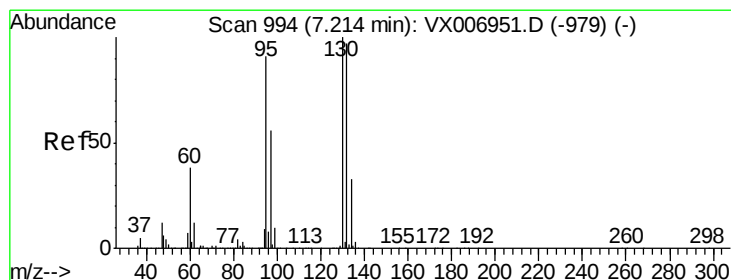
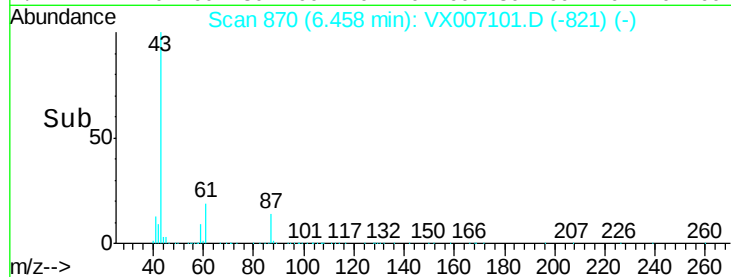
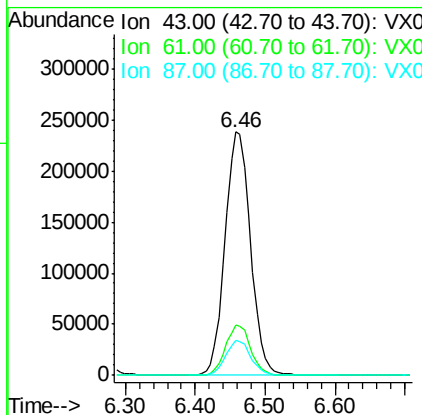
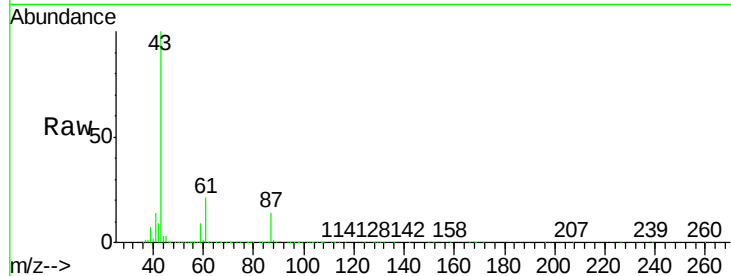
Isopropyl Acetate
 Concen: 52.230 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007101.D
 Acq: 17 Jan 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	14.2	12.4	18.6

Manual Integrations
 APPROVED

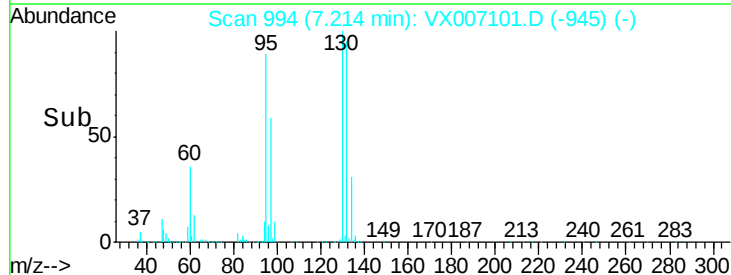
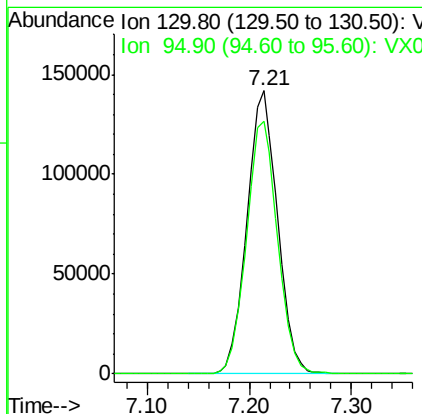
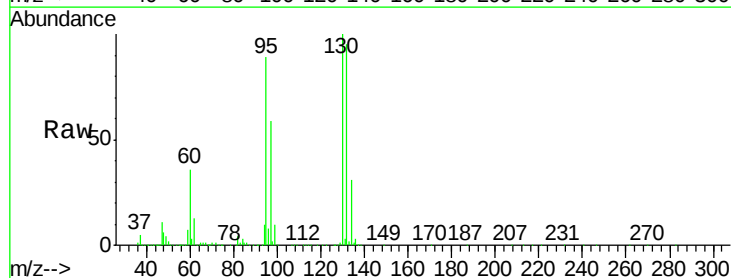
MMDadoda
 1/18/2019 10:24:35 AM

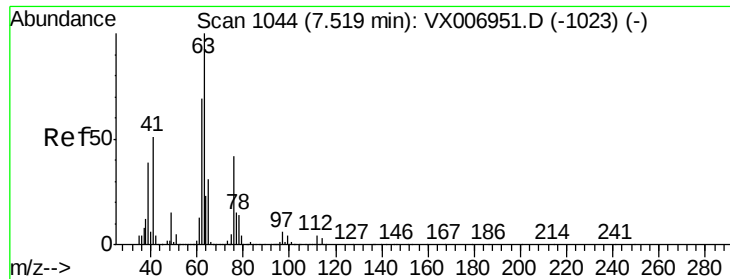


#44

Trichloroethene
 Concen: 47.522 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007101.D
 Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 49.121 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 257016

Ion Ratio Lower Upper

63 100

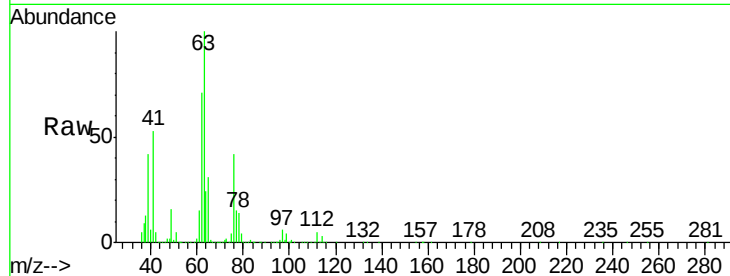
65 30.5 25.4 38.0

Manual Integrations

APPROVED

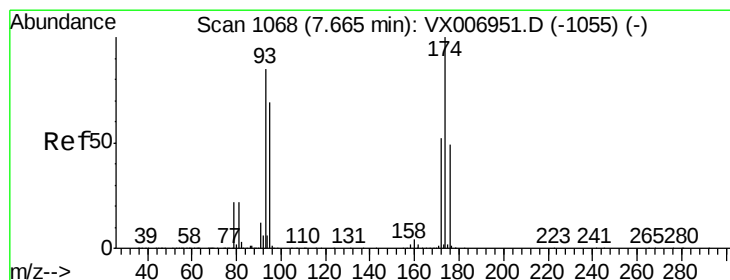
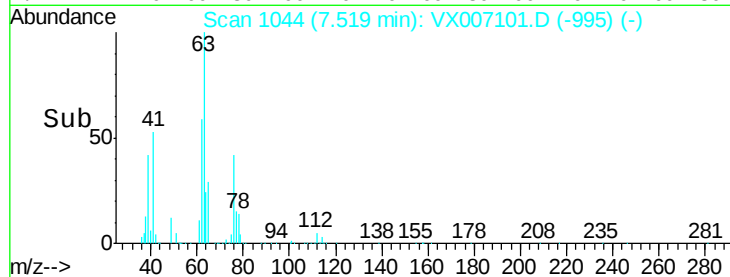
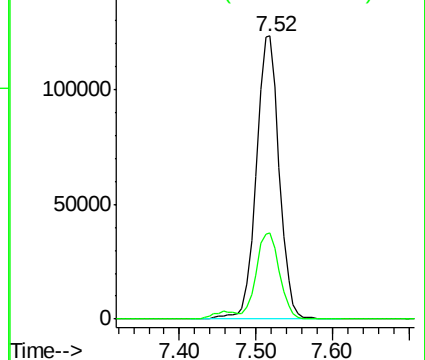
MMDadoda

1/18/2019 10:24:35 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.022 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

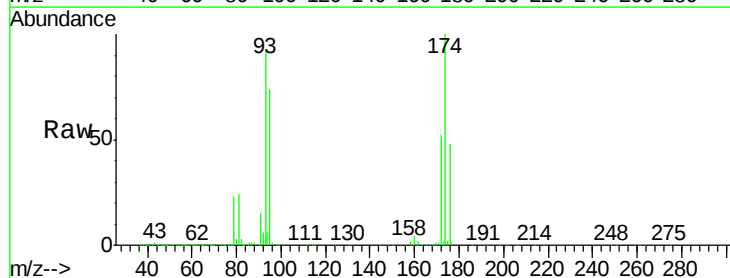
Tgt Ion: 93 Resp: 183944

Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

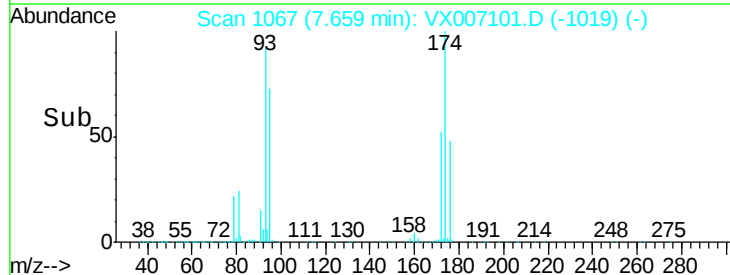
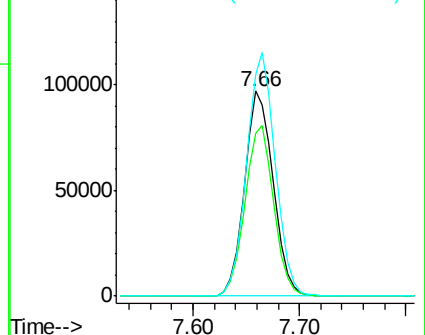
174 118.6 91.0 136.4

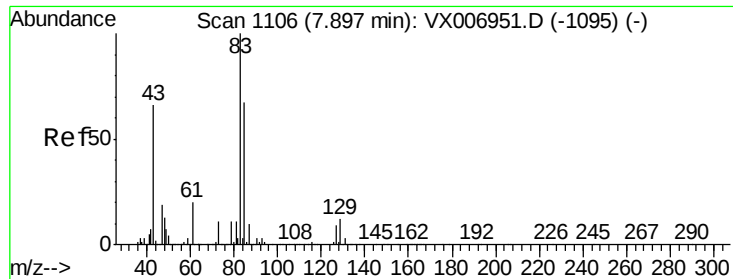


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





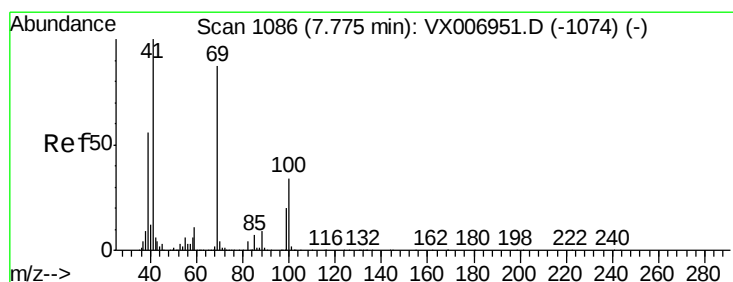
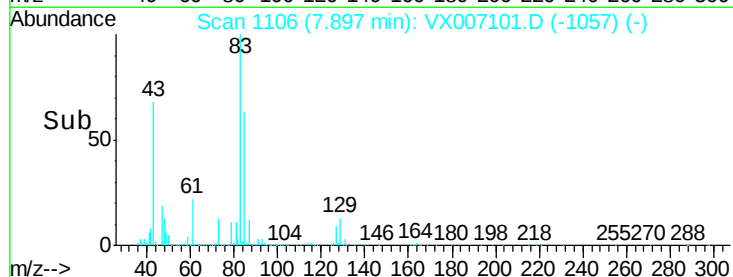
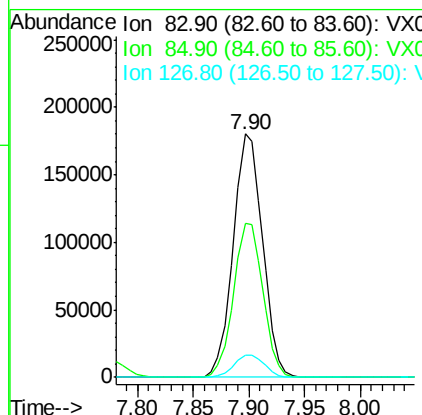
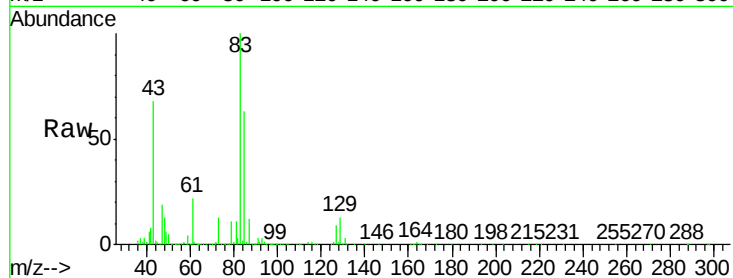
#47
Bromodichloromethane
Concen: 52.626 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	329398		
85	63.1	53.2	79.8	
127	8.9	7.8	11.6	

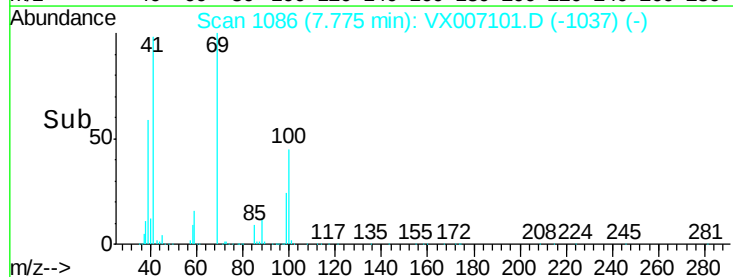
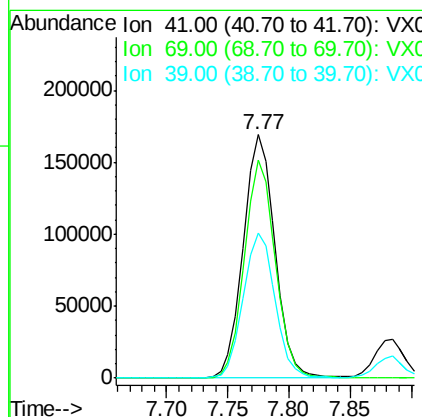
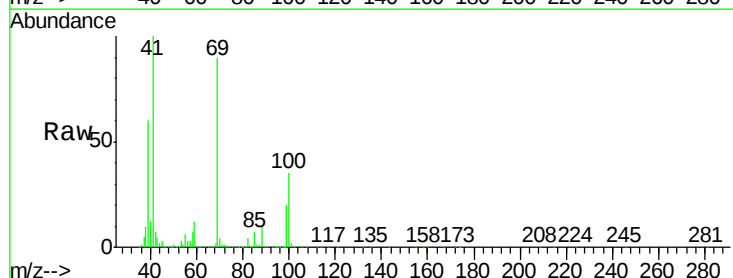
Manual Integrations
APPROVED

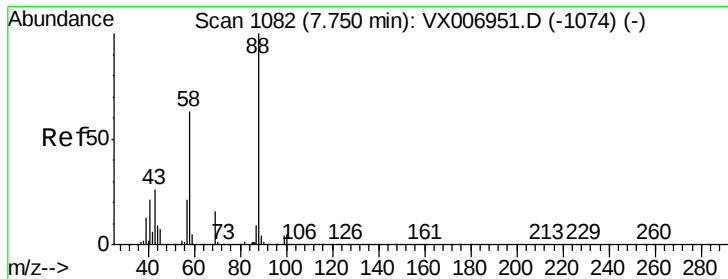
MMDadoda
1/18/2019 10:24:35 AM



#48
Methyl methacrylate
Concen: 51.369 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	304281		
69	87.4	72.4	108.6	
39	59.6	45.8	68.8	





#49

1,4-Dioxane

Concen: 1030.682 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

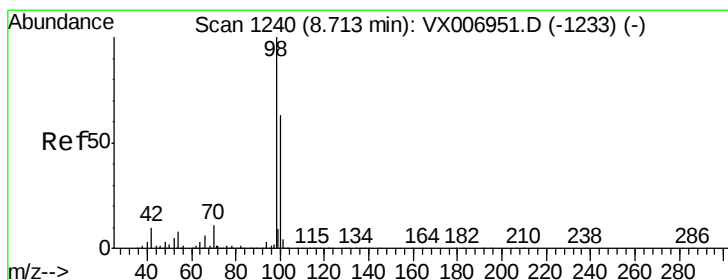
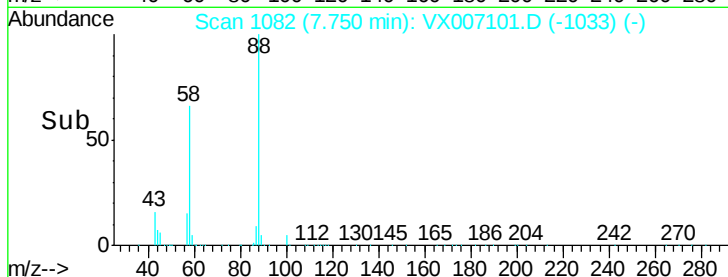
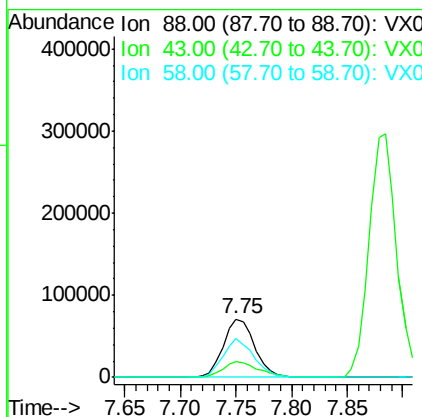
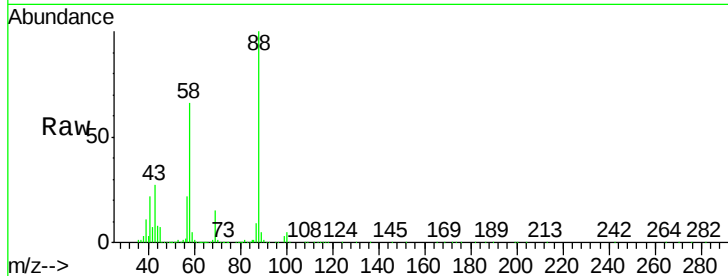
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	139387
Ion	Ratio	Lower	Upper
88	100		
43	28.9	22.2	33.4
58	65.1	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#50

Toluene-d8

Concen: 49.565 ug/l

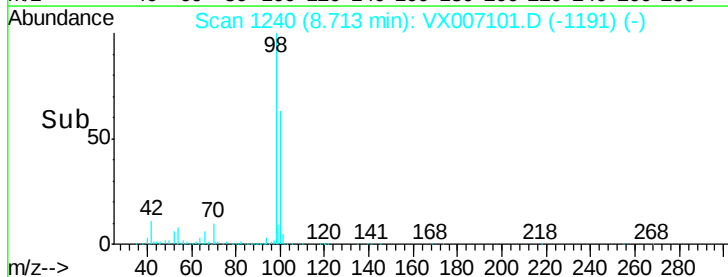
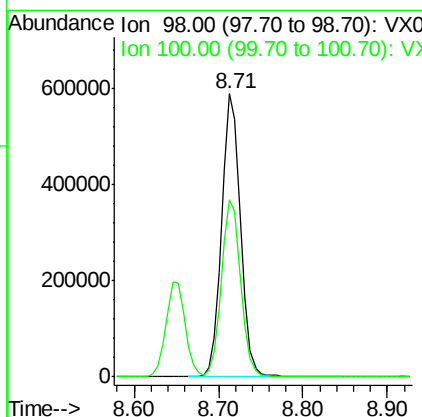
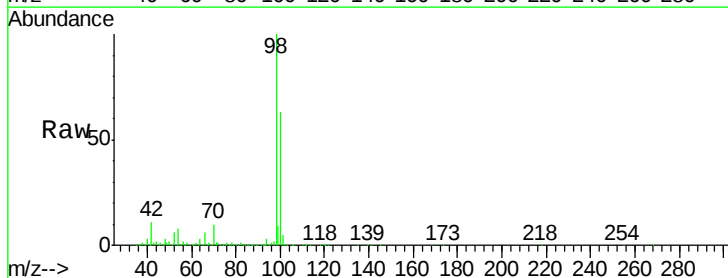
RT: 8.71 min Scan# 1240

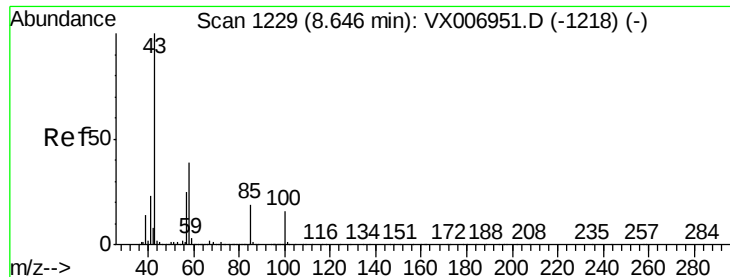
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	98	Resp:	911476
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





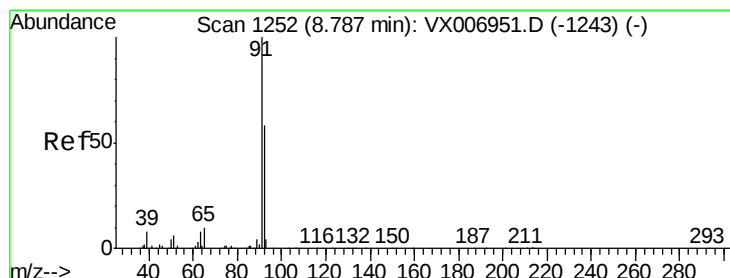
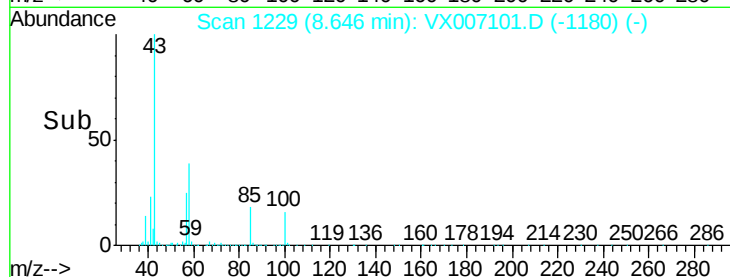
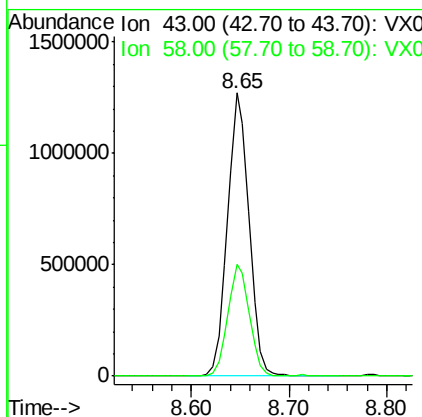
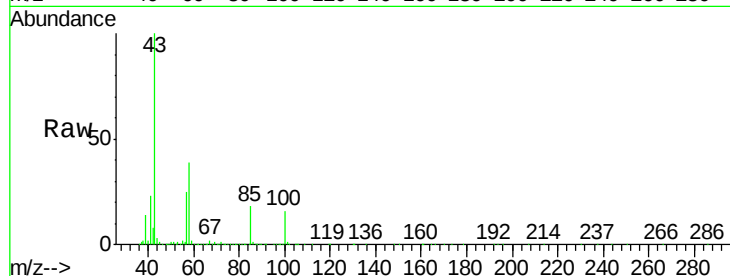
#51
4-Methyl-2-Pentanone
Concen: 262.528 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1946057
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.6

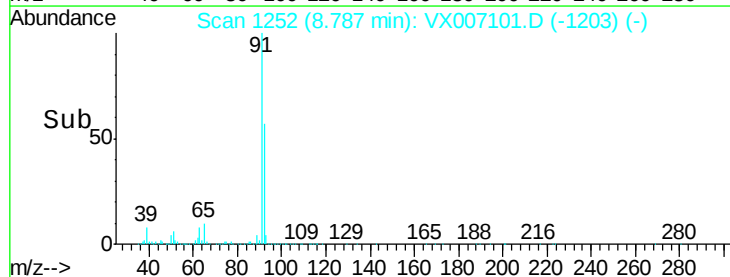
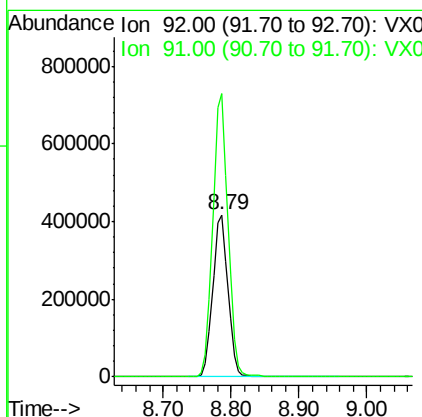
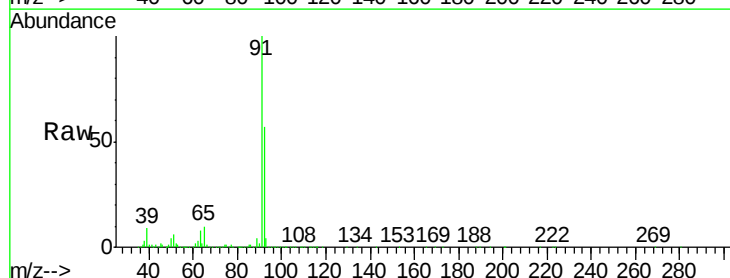
Manual Integrations
APPROVED

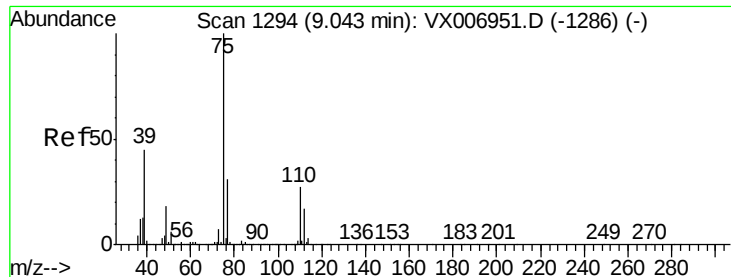
MMDadoda
1/18/2019 10:24:35 AM



#52
Toluene
Concen: 48.370 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion: 92 Resp: 647039
Ion Ratio Lower Upper
92 100
91 175.0 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 52.345 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tot Ion: 75 Resp: 363307

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

Instrument :

MSVOA_X

ClientSampleId :

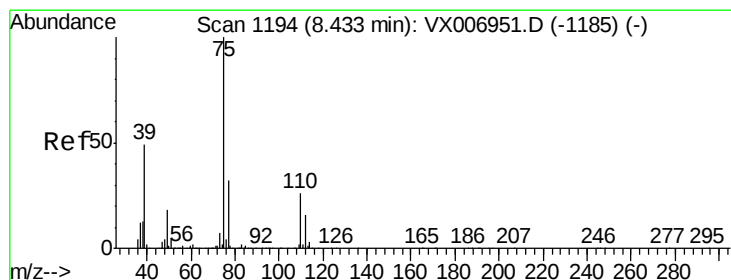
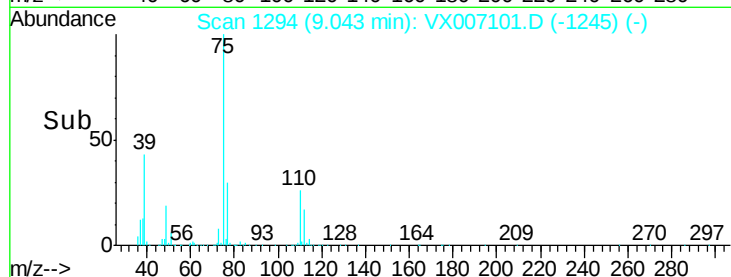
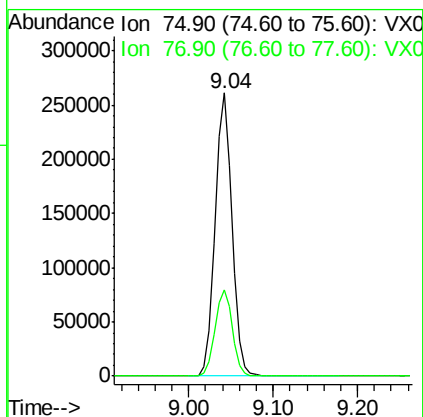
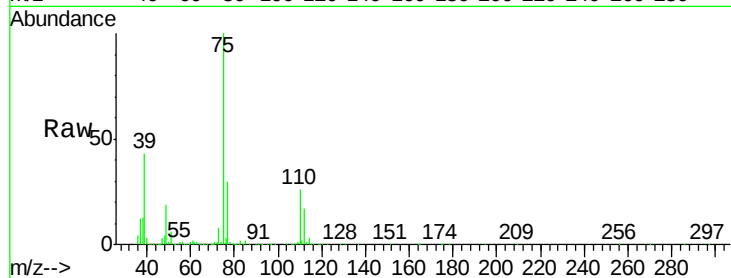
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#54

cis-1,3-Dichloropropene

Concen: 51.431 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

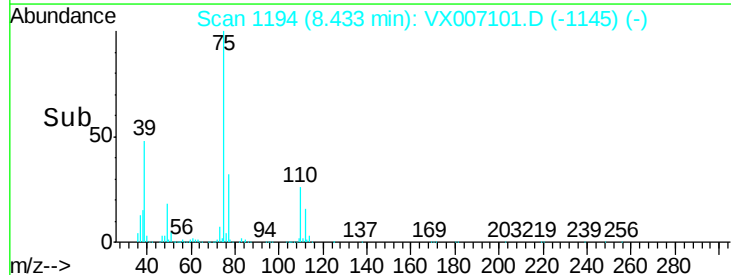
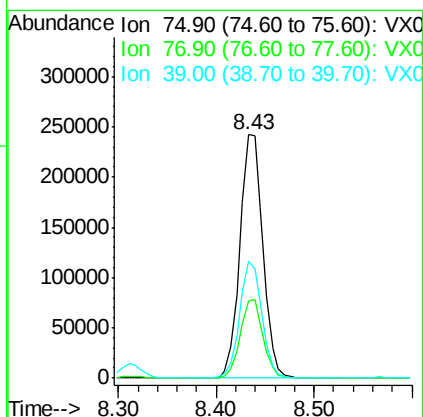
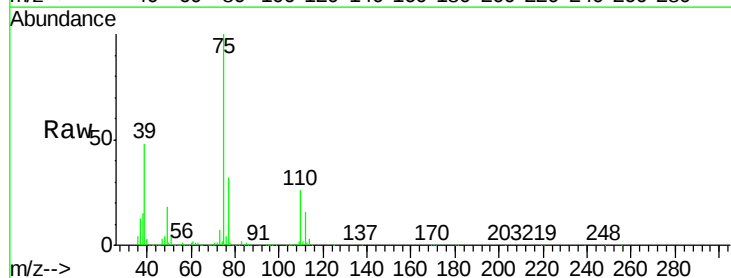
Tgt Ion: 75 Resp: 394210

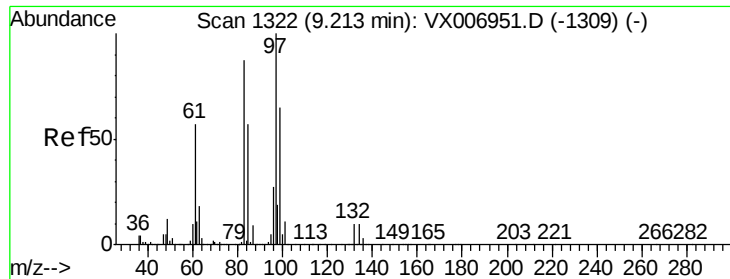
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.9 36.7 55.1





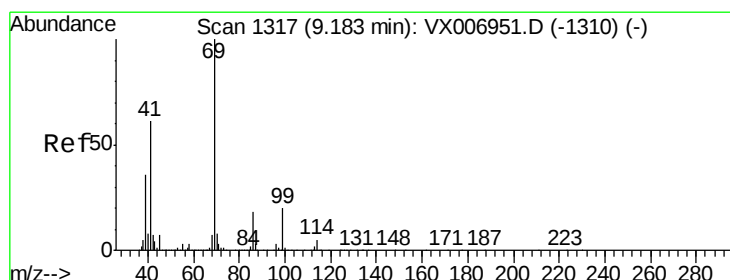
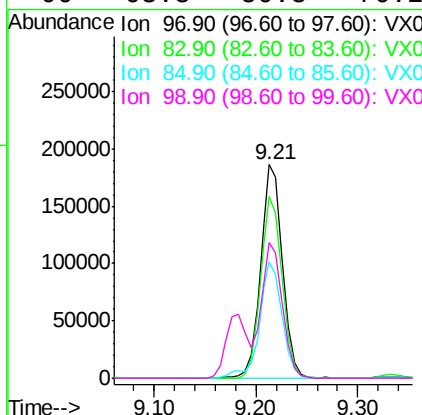
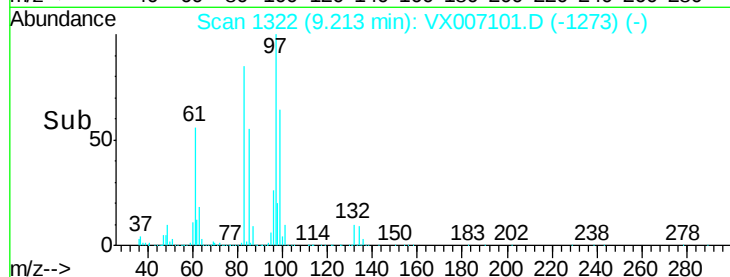
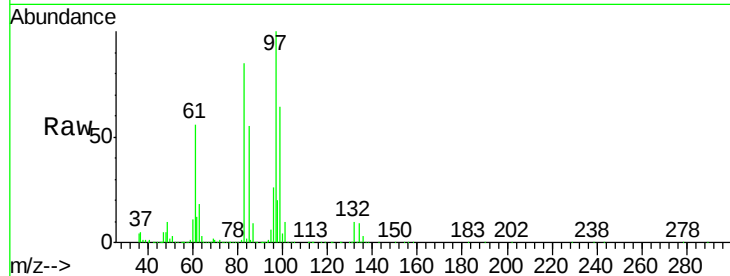
#55
1,1,2-Trichloroethane
Concen: 51.929 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		278042		
83	84.8	66.6	99.8		
85	54.6	42.7	64.1		
99	63.8	50.8	76.2		

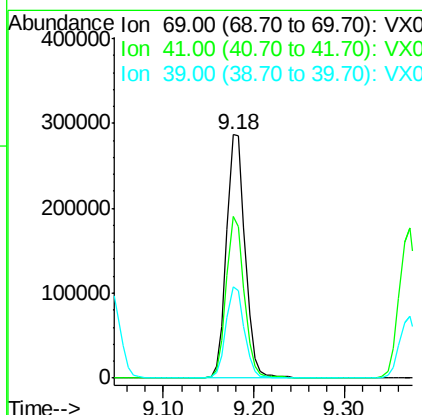
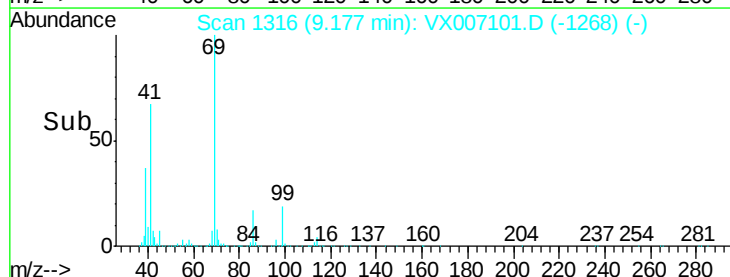
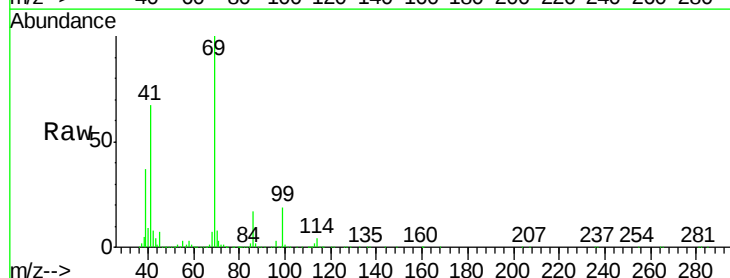
Manual Integrations
APPROVED

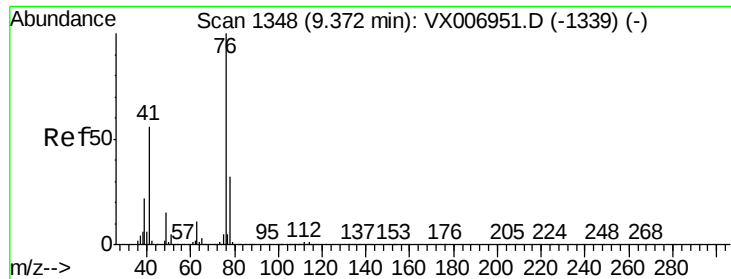
MMDadoda
1/18/2019 10:24:35 AM



#56
Ethyl methacrylate
Concen: 52.572 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		410930		
41	64.1	48.7	73.1		
39	36.7	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 50.201 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 440352

Ion Ratio Lower Upper

76 100

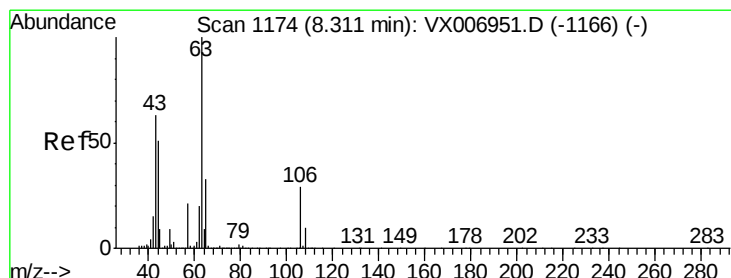
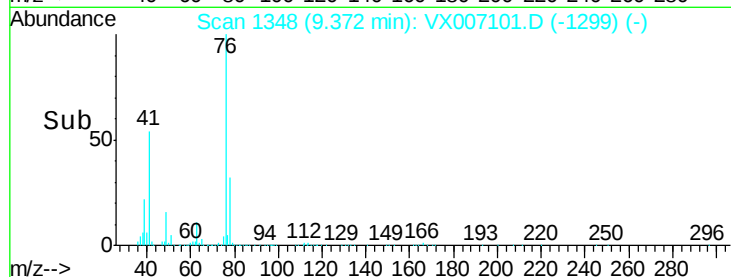
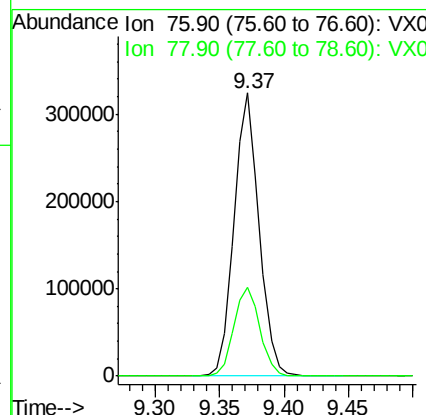
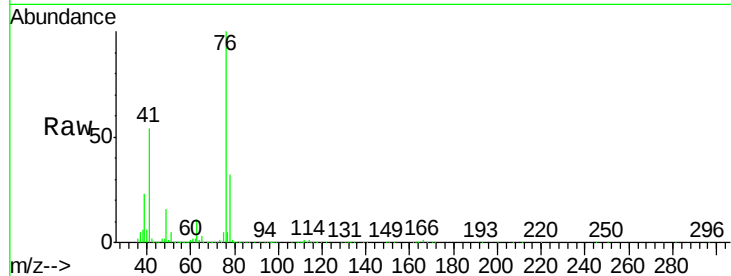
78 33.0 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

1/18/2019 10:24:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 260.319 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007101.D

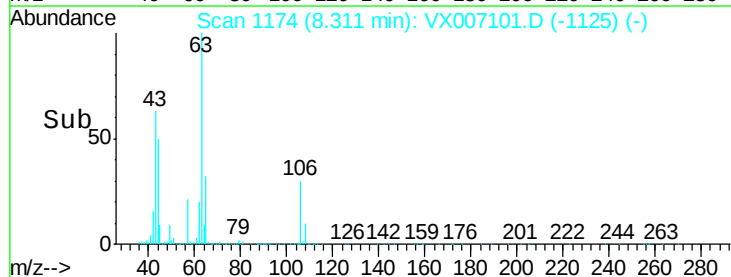
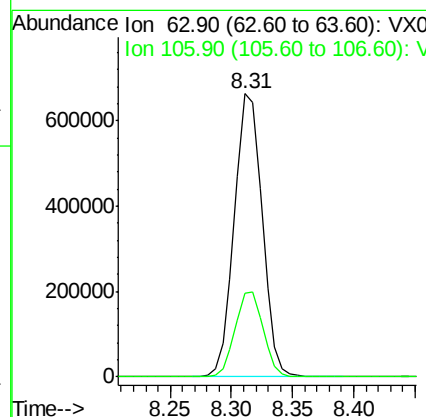
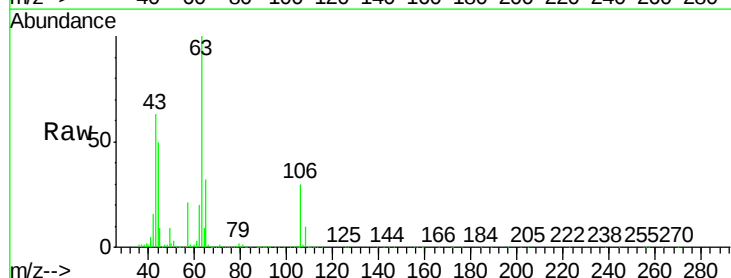
Acq: 17 Jan 2019 20:42

Tgt Ion: 63 Resp: 1046194

Ion Ratio Lower Upper

63 100

106 30.3 24.6 36.8





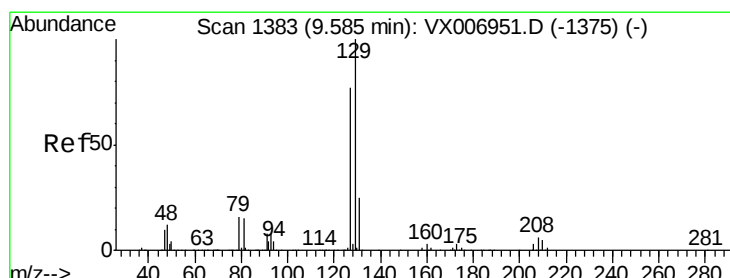
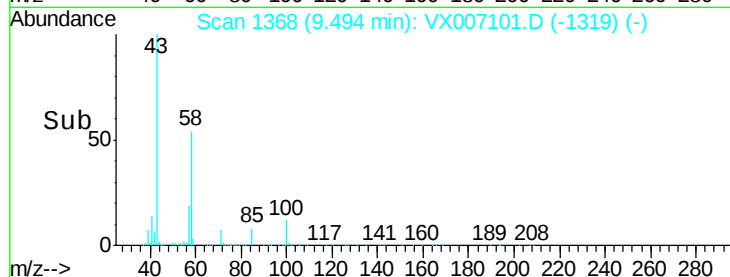
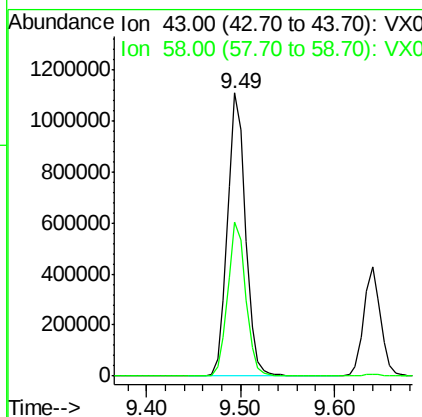
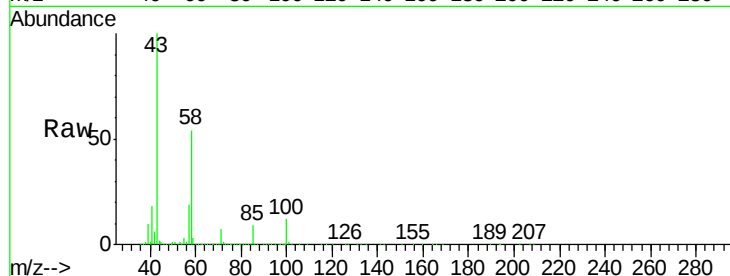
#59
2-Hexanone
Concen: 261.091 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1474888
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1

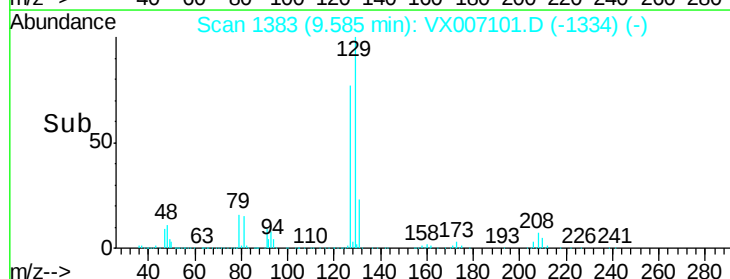
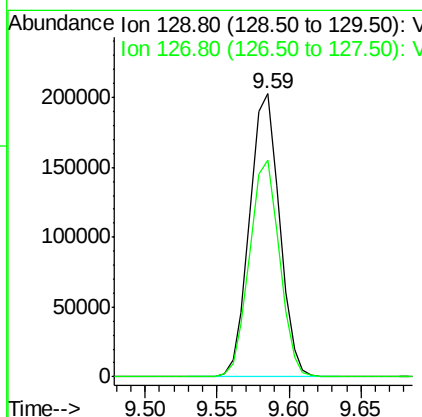
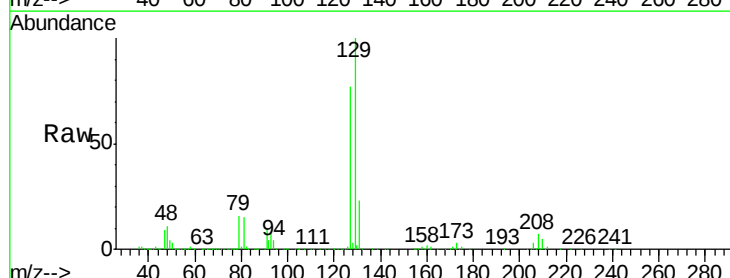
Manual Integrations
APPROVED

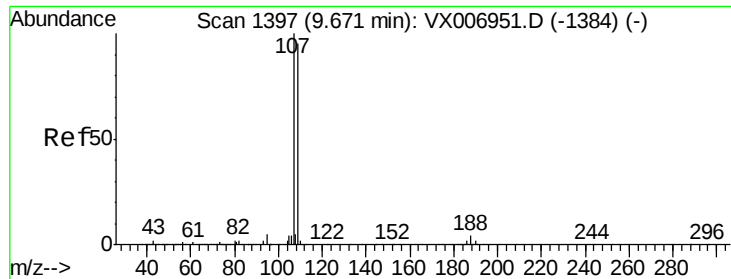
MMDadoda
1/18/2019 10:24:35 AM



#60
Dibromochloromethane
Concen: 55.826 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion: 129 Resp: 290244
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 50.864 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 299817

Ion Ratio Lower Upper

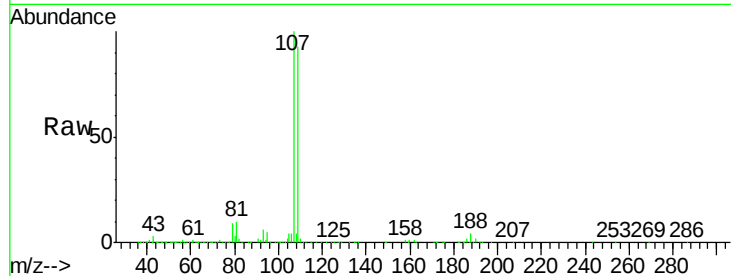
107 100

109 95.4 75.8 113.6

Manual Integrations
APPROVED

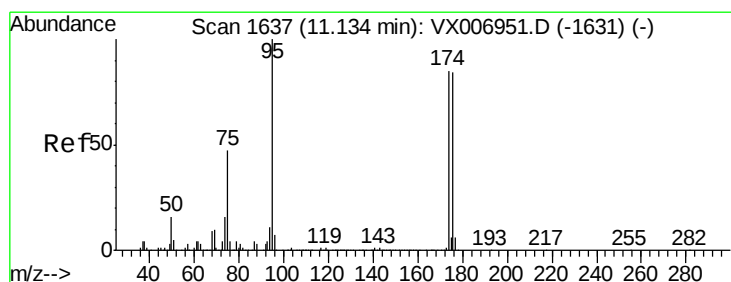
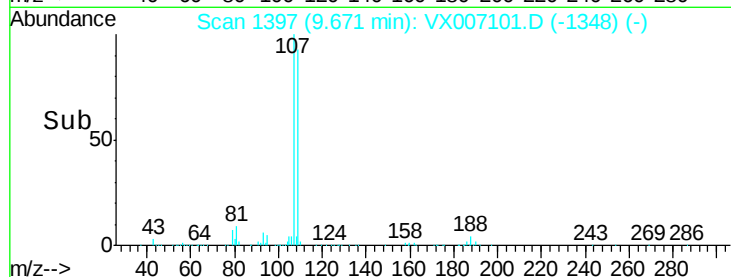
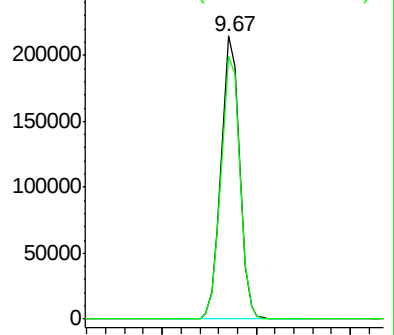
MMDadoda

1/18/2019 10:24:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.217 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

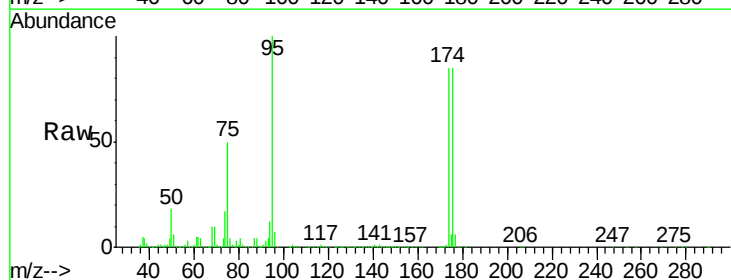
Tgt Ion: 95 Resp: 321942

Ion Ratio Lower Upper

95 100

174 95.0 0.0 182.2

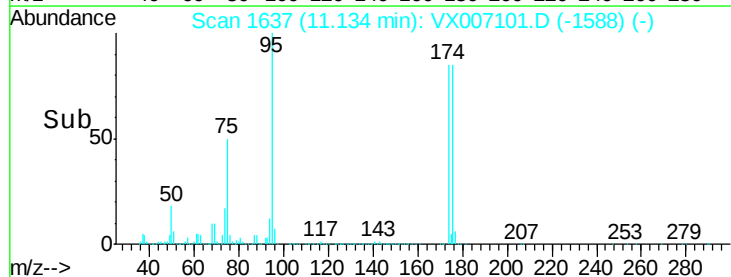
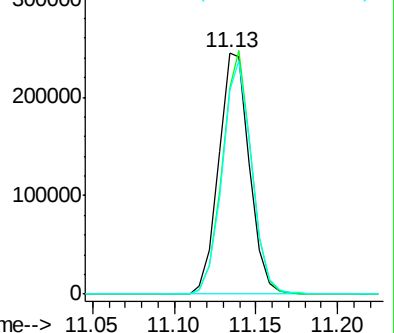
176 92.7 0.0 178.8

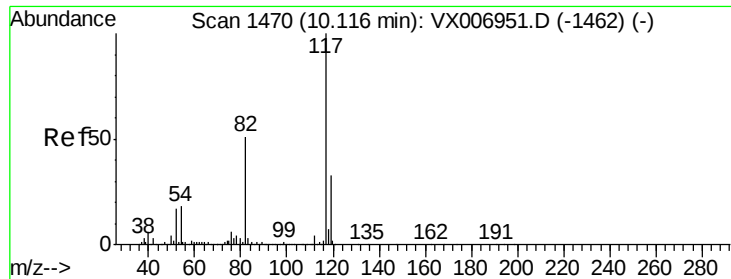


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





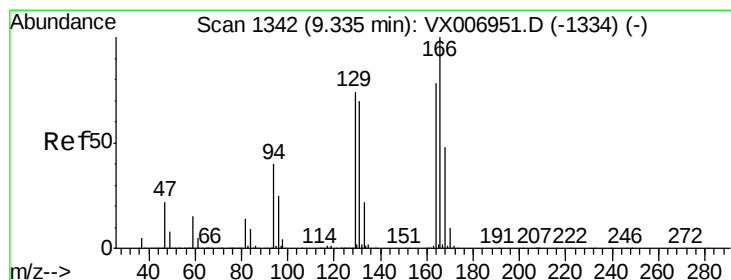
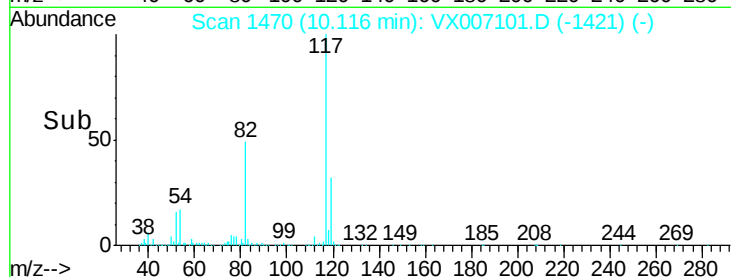
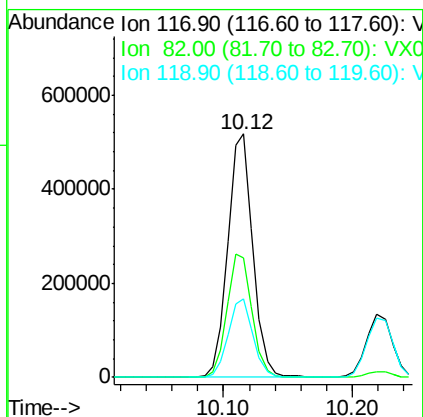
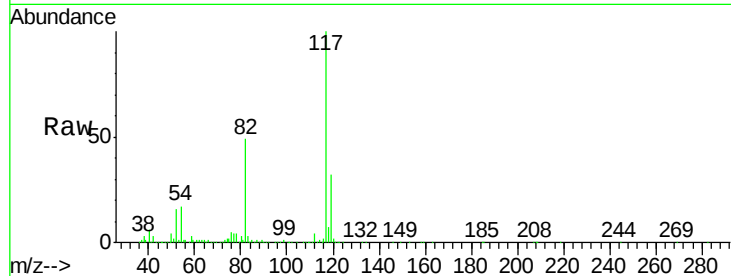
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	707375		
82	49.0		41.0	61.6
119	32.4		25.4	38.0

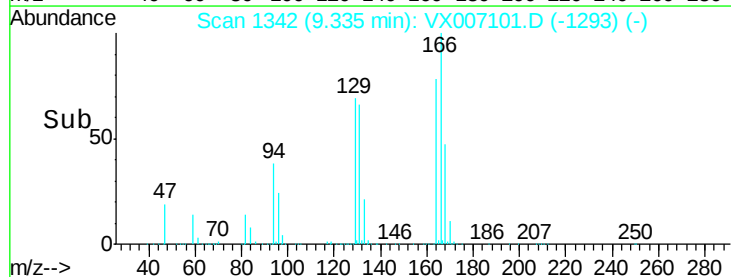
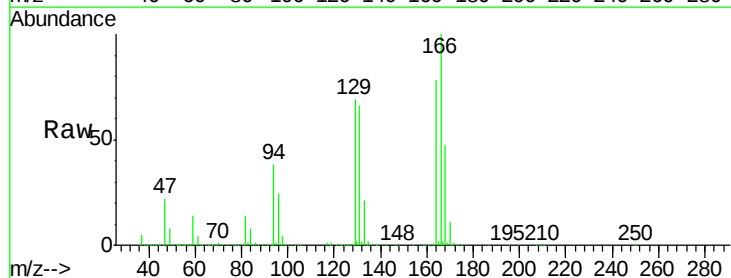
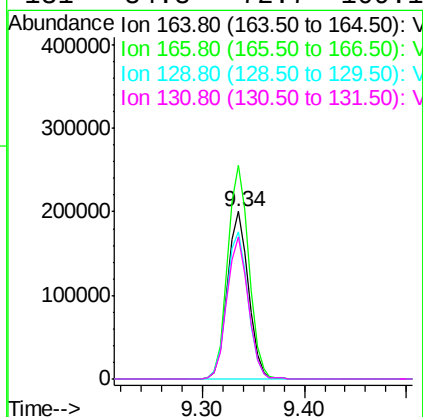
Manual Integrations
APPROVED

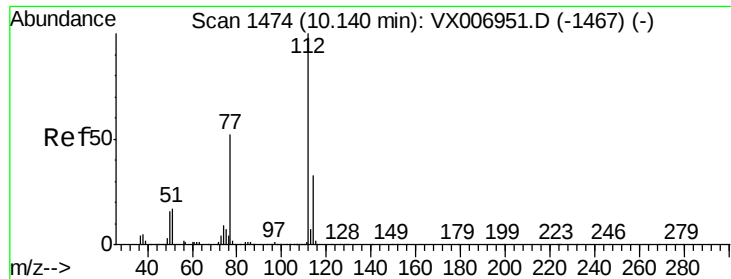
MMDadoda
1/18/2019 10:24:35 AM



#64
Tetrachloroethene
Concen: 46.611 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	285457		
166	127.7		102.5	153.7
129	87.9		75.1	112.7
131	84.8		72.7	109.1





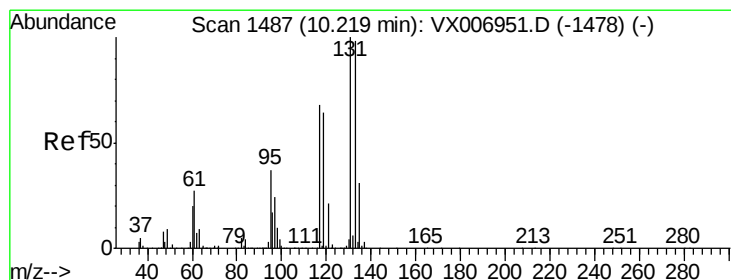
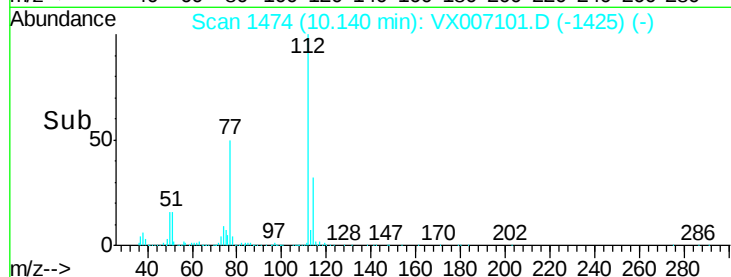
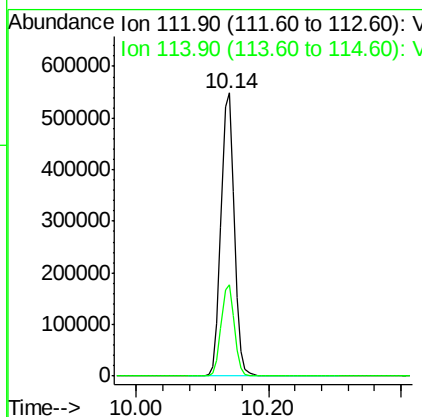
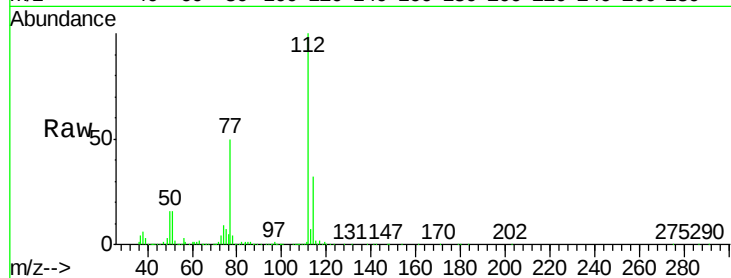
#65
Chlorobenzene
Concen: 49.256 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

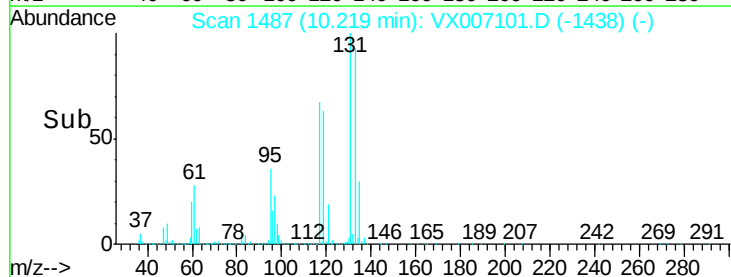
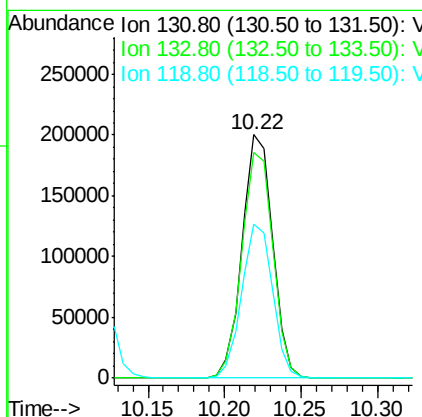
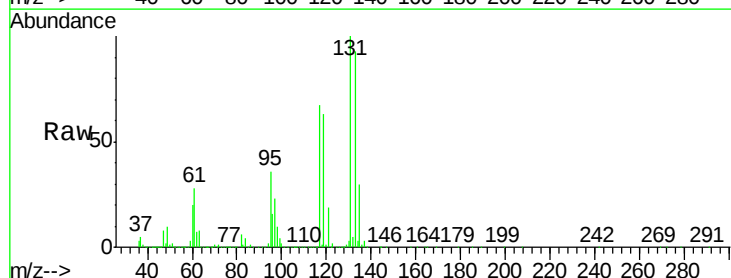
Manual Integrations
APPROVED

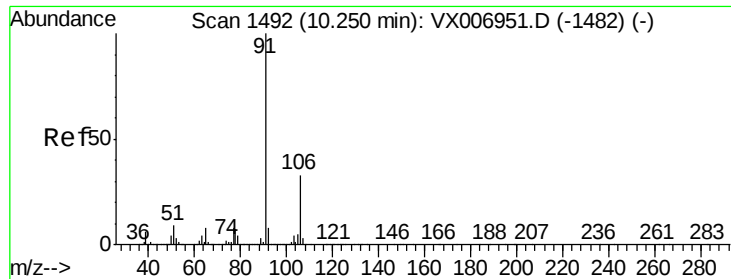
MMDadoda
1/18/2019 10:24:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.563 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.0	144.2
119	63.9	32.6	97.8





#67

Ethyl Benzene

Concen: 48.785 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1242552

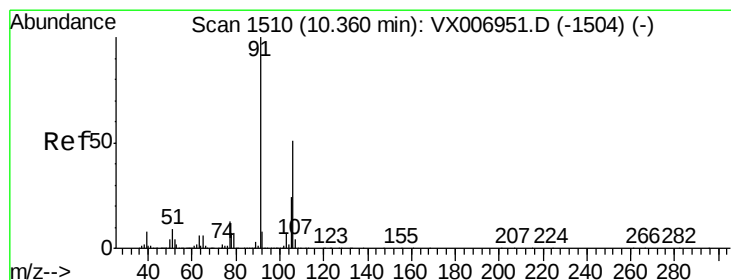
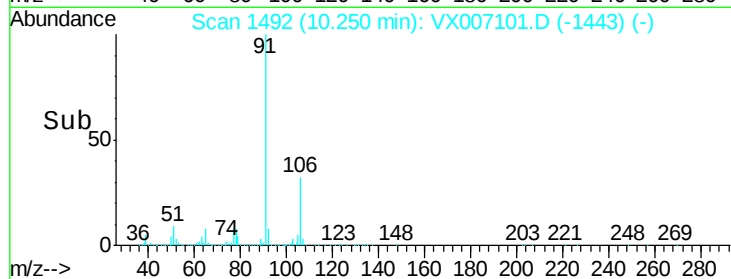
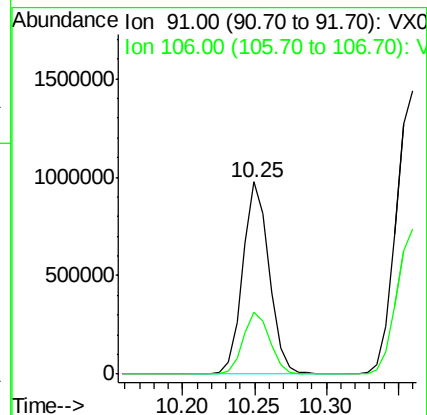
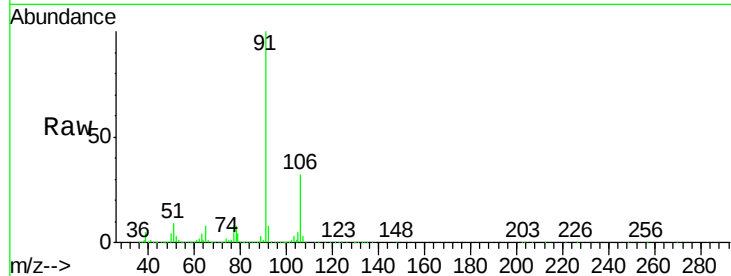
Ion Ratio Lower Upper

91 100

106 32.2 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#68

m/p-Xylenes

Concen: 96.647 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007101.D

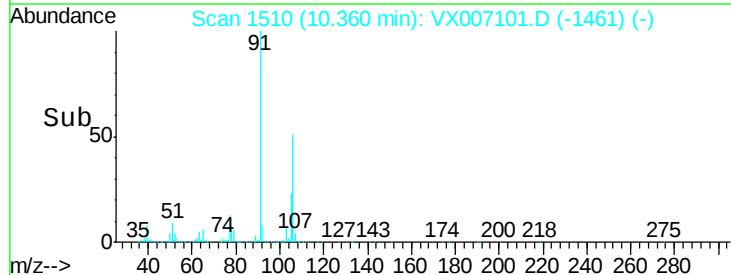
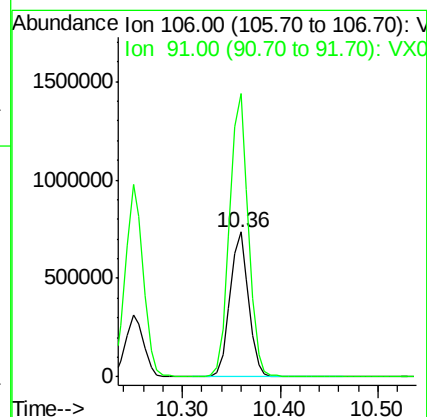
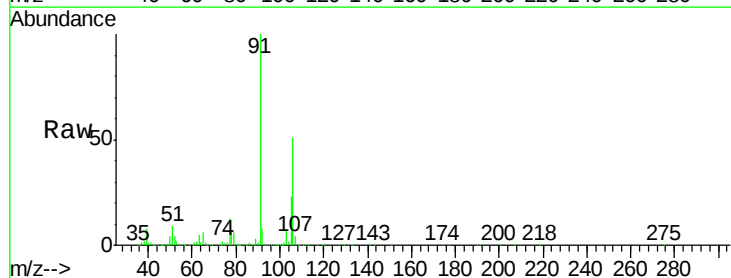
Acq: 17 Jan 2019 20:42

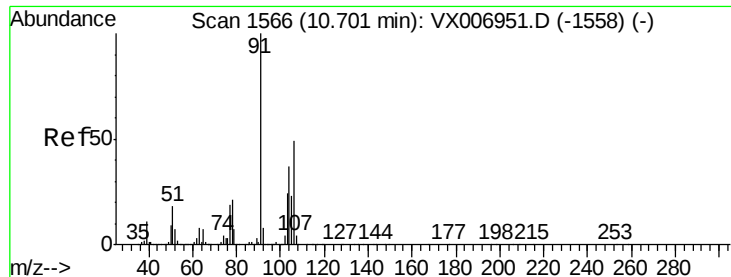
Tgt Ion: 106 Resp: 969837

Ion Ratio Lower Upper

106 100

91 197.9 155.8 233.6





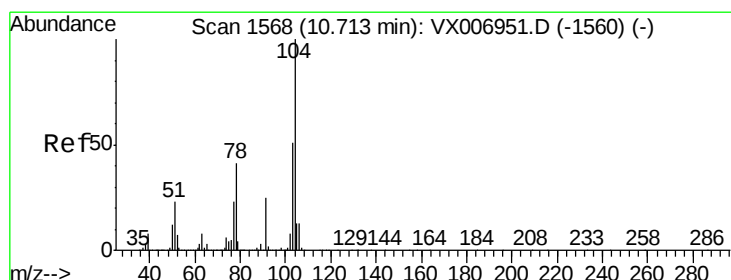
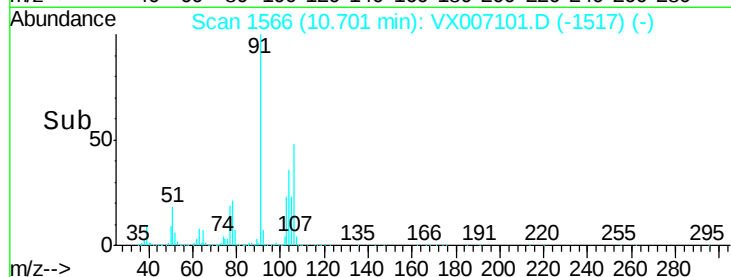
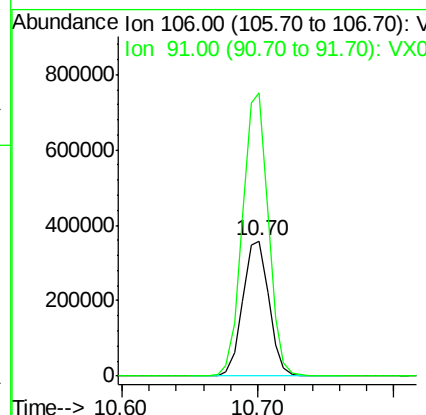
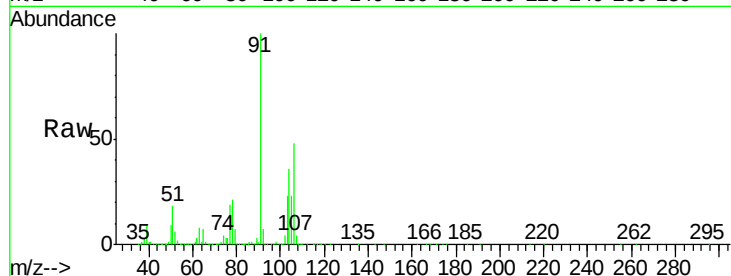
#69
o-Xylene
Concen: 49.183 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.8	101.3	303.7

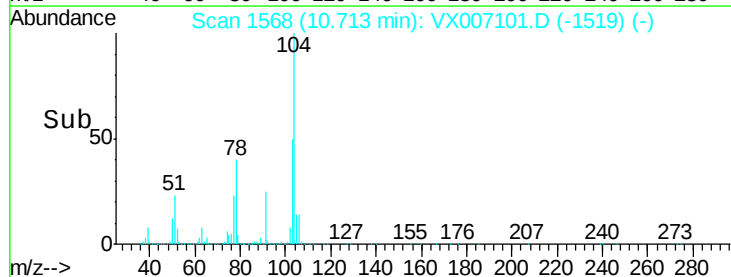
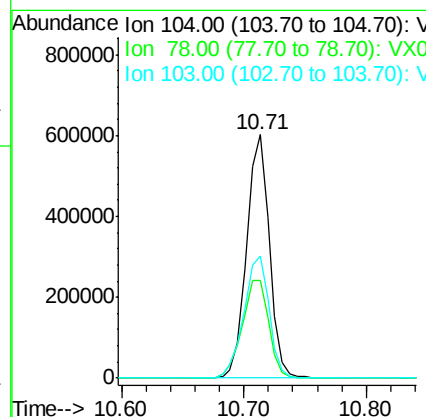
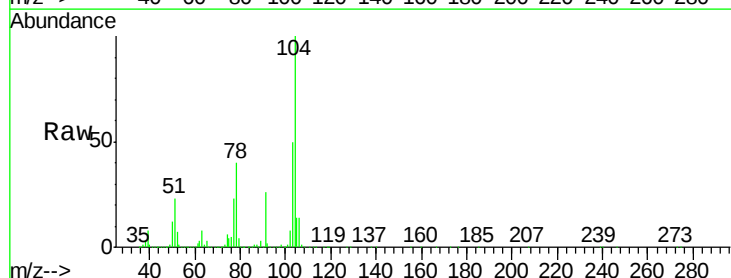
Manual Integrations
APPROVED

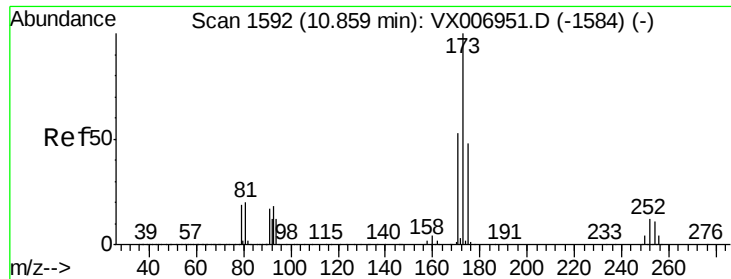
MMDadoda
1/18/2019 10:24:35 AM



#70
Styrene
Concen: 50.074 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.7	56.5
103	56.0	43.8	65.8





#71

Bromoform

Concen: 47.302 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

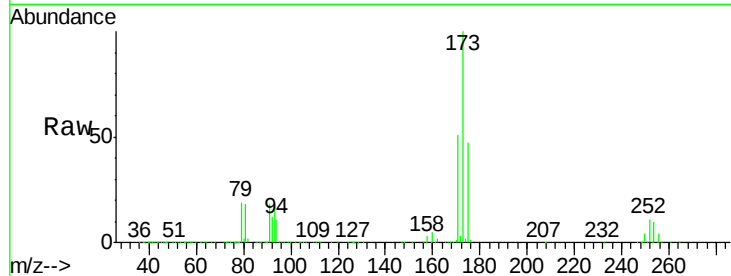
ClientSampleId :

VSTDCCC050EC

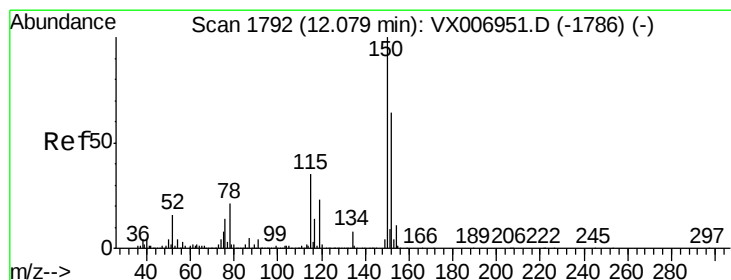
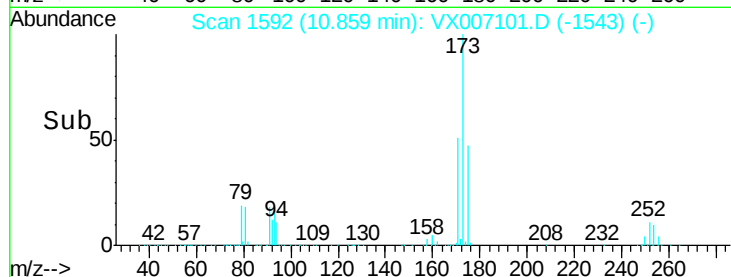
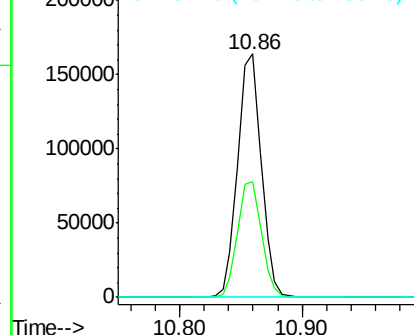
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

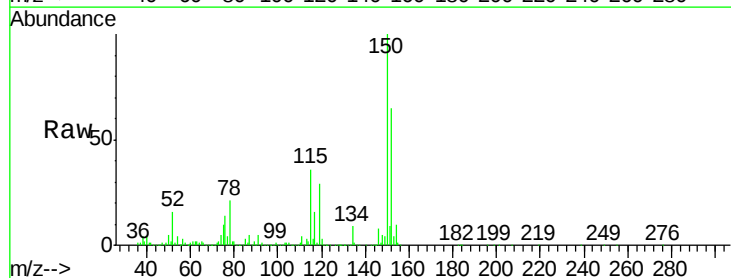
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

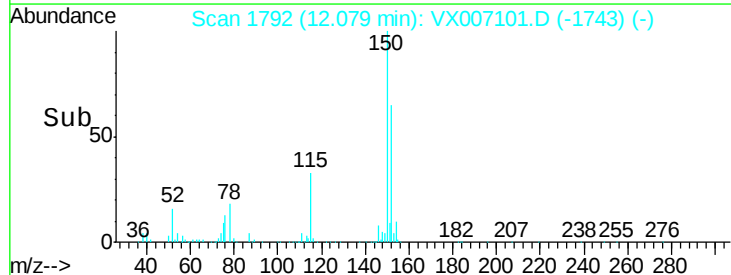
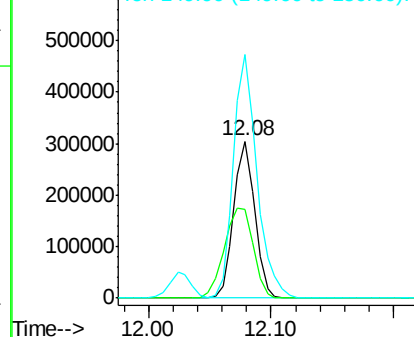
Lab File: VX007101.D

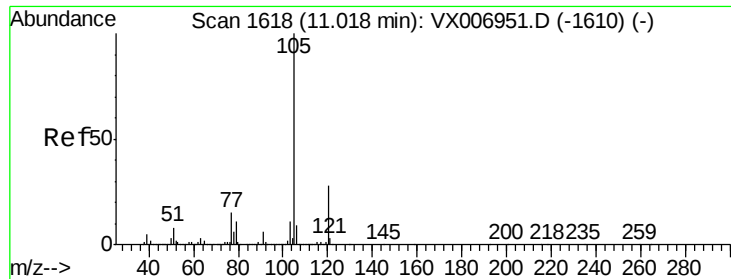
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.4	39.1	117.2
150	174.2	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.879 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1264343

Ion Ratio Lower Upper

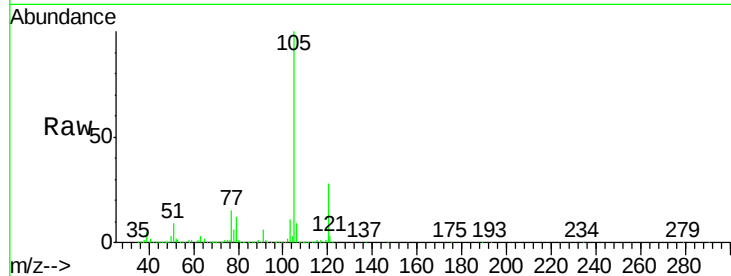
105 100

120 28.0 14.1 42.4

Manual Integrations
APPROVED

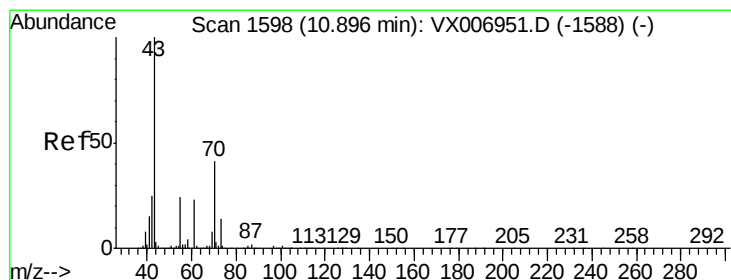
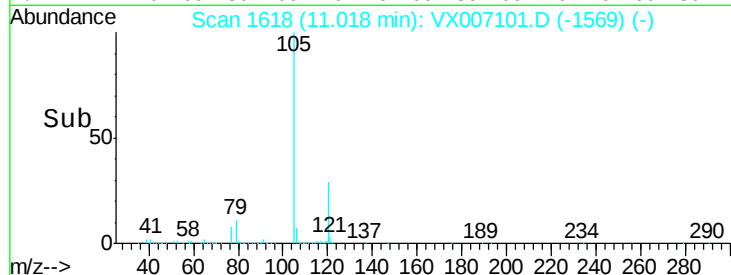
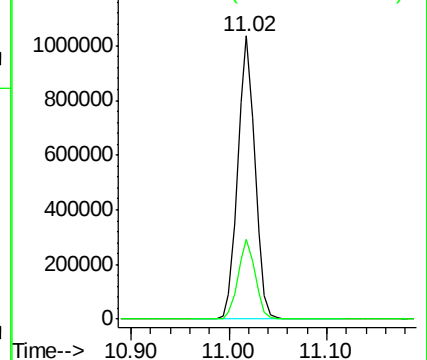
MMDadoda

1/18/2019 10:24:35 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: 52.295 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion: 43 Resp: 533707

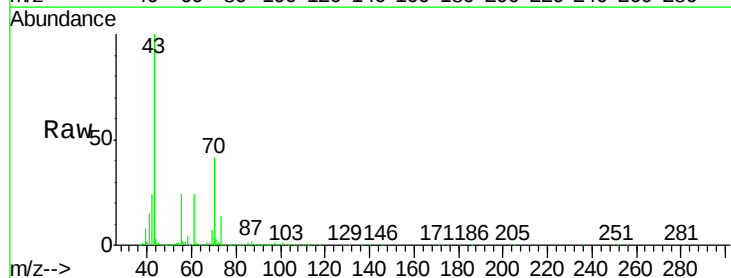
Ion Ratio Lower Upper

43 100

70 42.6 35.8 53.8

55 23.7 19.4 29.0

61 24.5 20.1 30.1

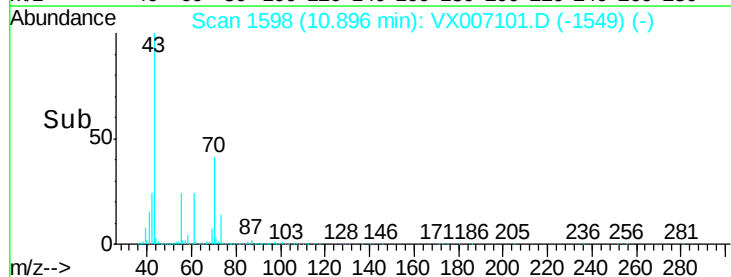
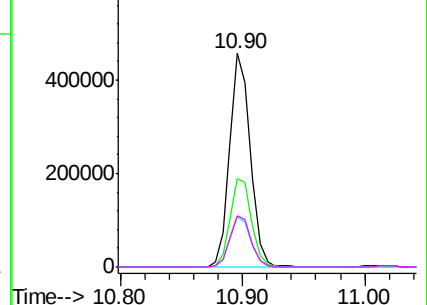


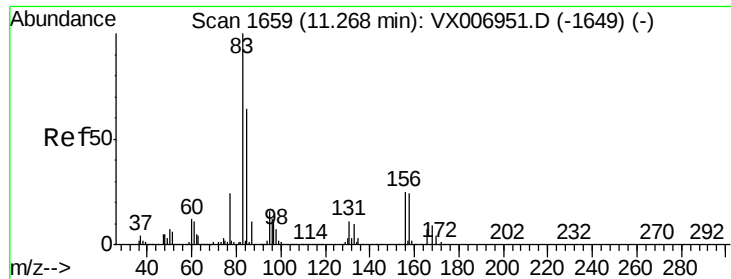
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.704 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

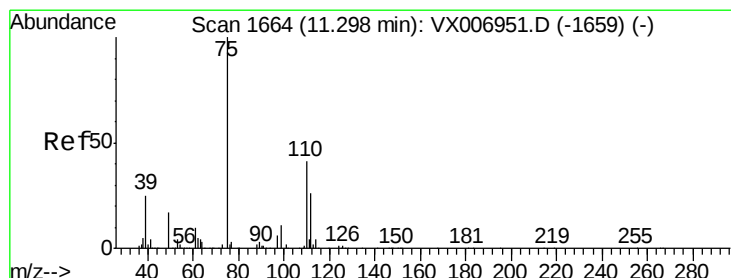
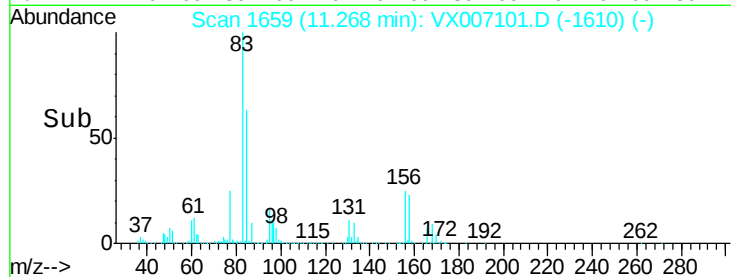
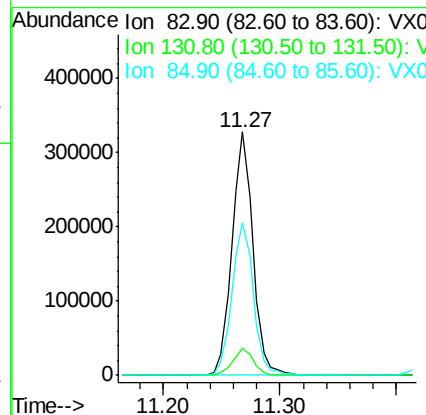
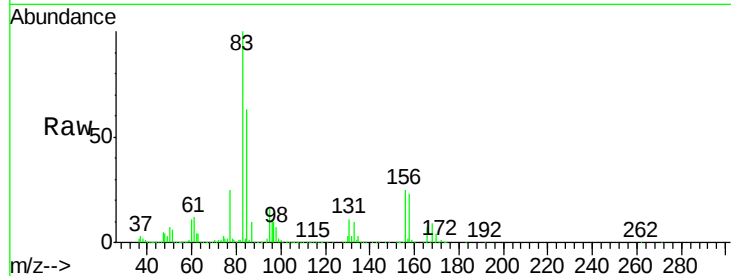
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	408026
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	64.6	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#76

1,2,3-Trichloropropane

Concen: 51.917 ug/l m

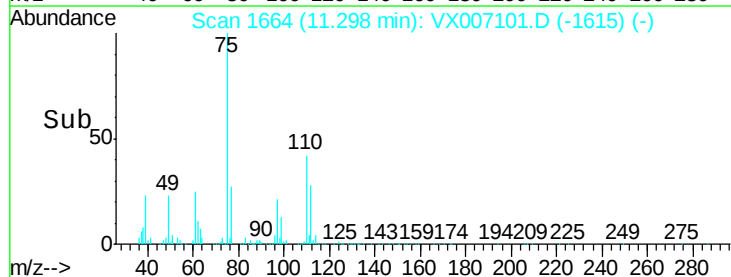
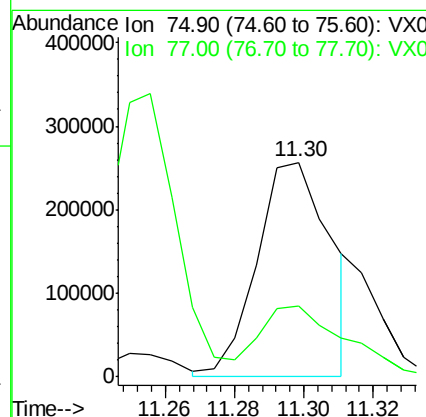
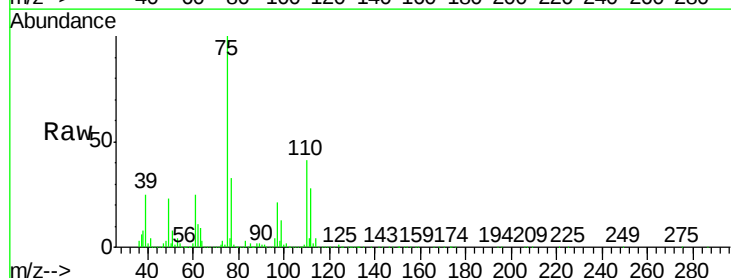
RT: 11.30 min Scan# 1664

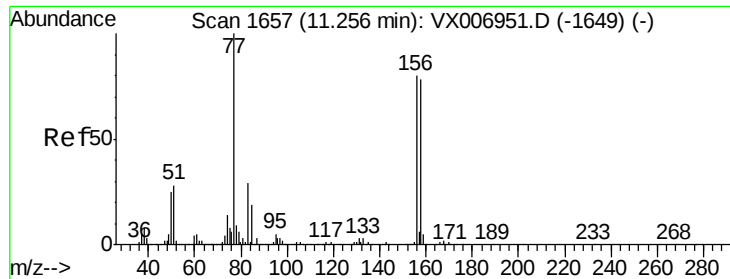
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	75	Resp:	378196
Ion Ratio	Lower	Upper	
75	100		
77	38.1	18.5	55.5





#77

Bromobenzene

Concen: 49.313 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

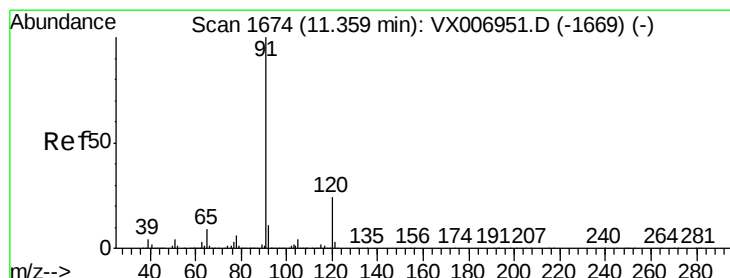
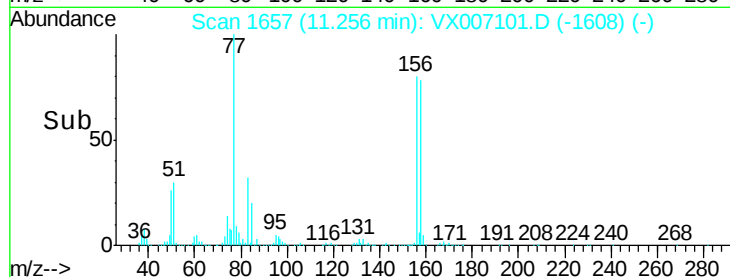
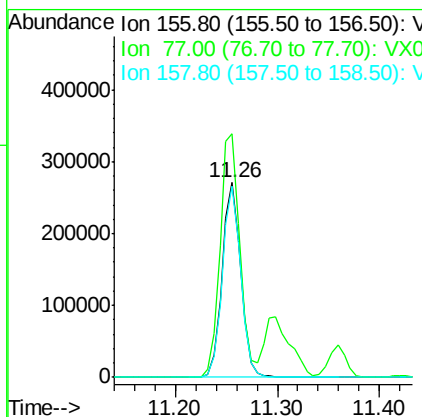
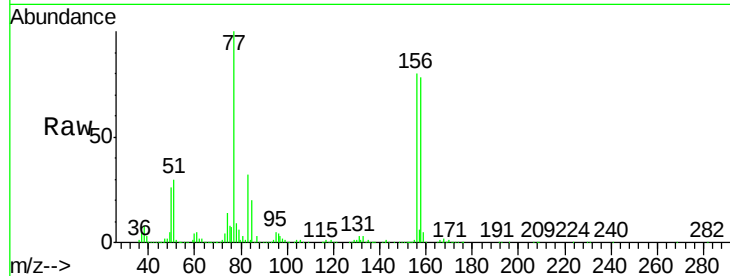
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.4	68.0	204.0
158	96.9	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#78

n-propylbenzene

Concen: 50.638 ug/l

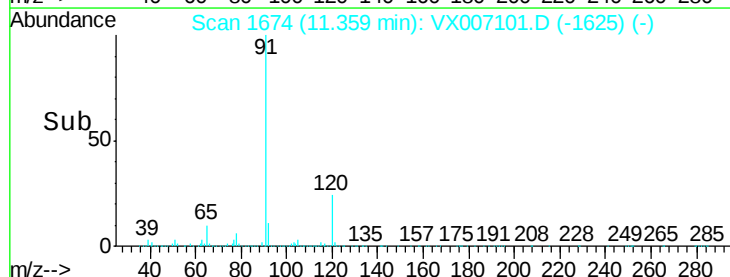
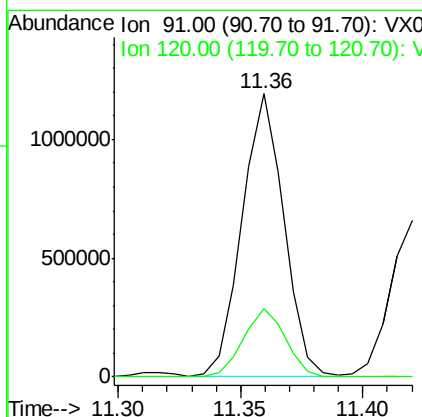
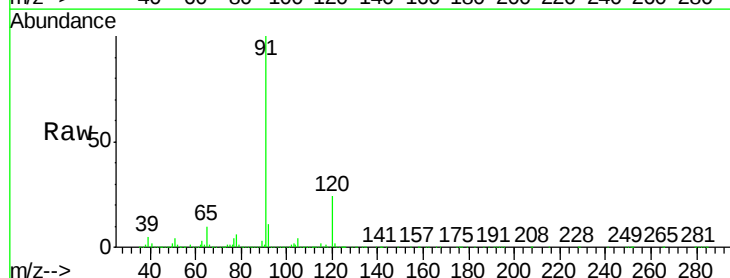
RT: 11.36 min Scan# 1674

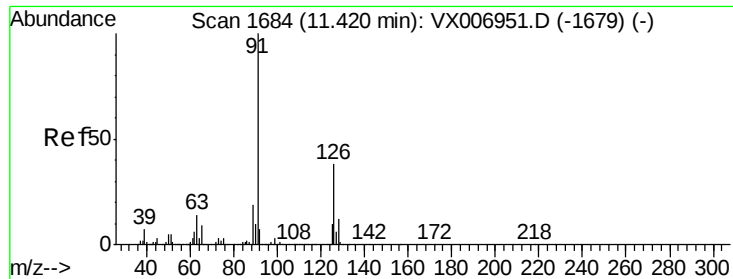
Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 48.881 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 818796

Ion Ratio Lower Upper

91 100

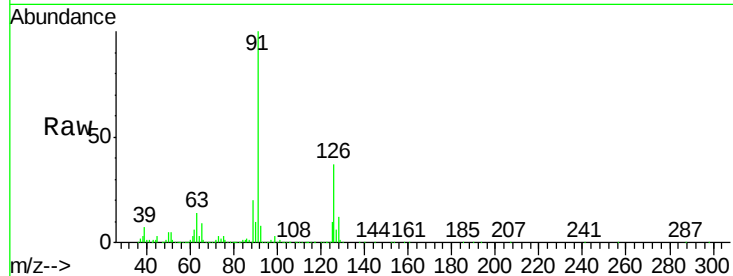
126 37.4 18.6 56.0

Manual Integrations

APPROVED

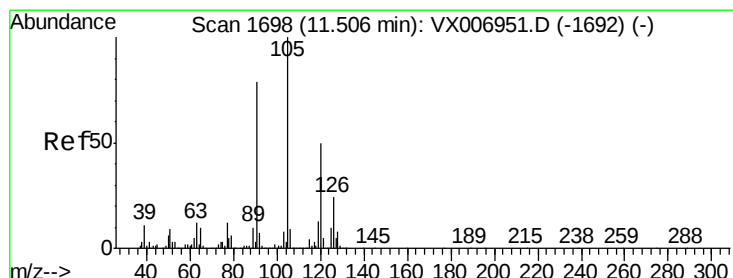
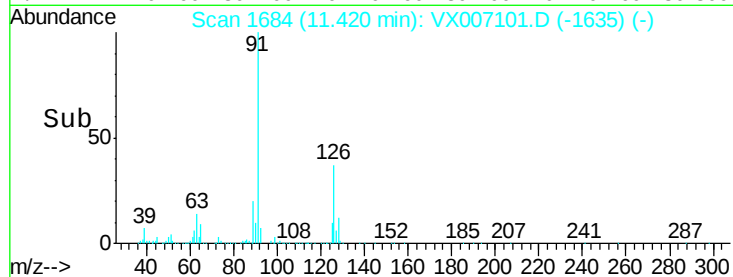
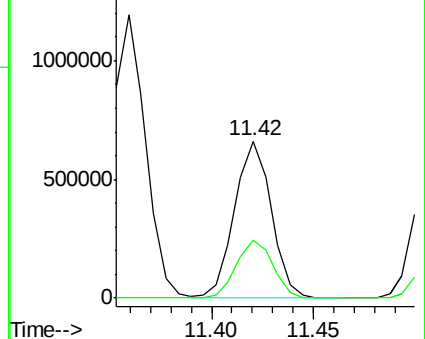
MMDadoda

1/18/2019 10:24:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.382 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007101.D

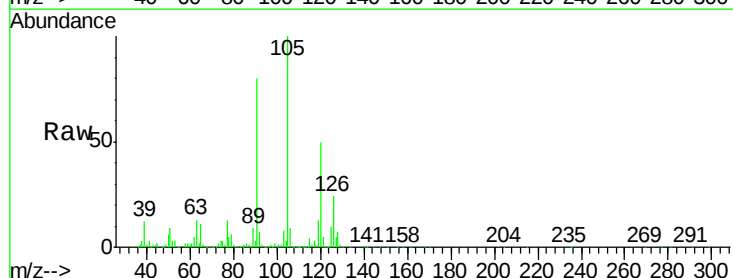
Acq: 17 Jan 2019 20:42

Tgt Ion: 105 Resp: 1045926

Ion Ratio Lower Upper

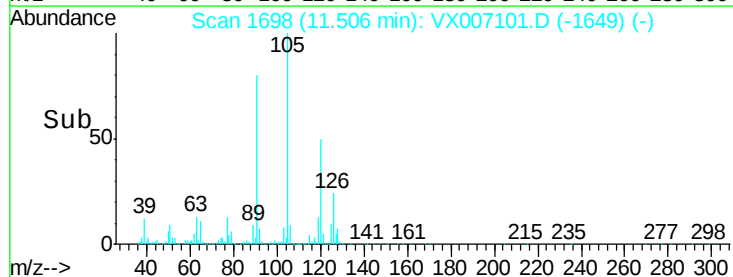
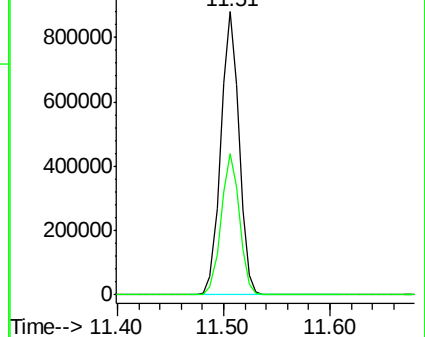
105 100

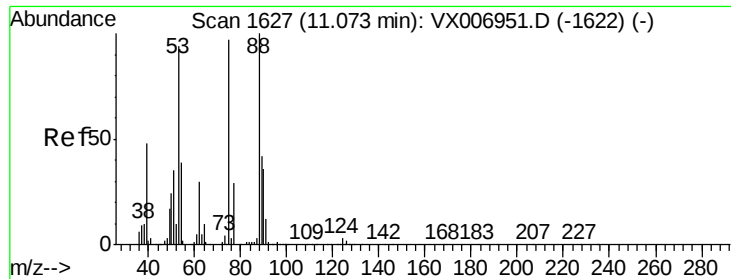
120 50.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)





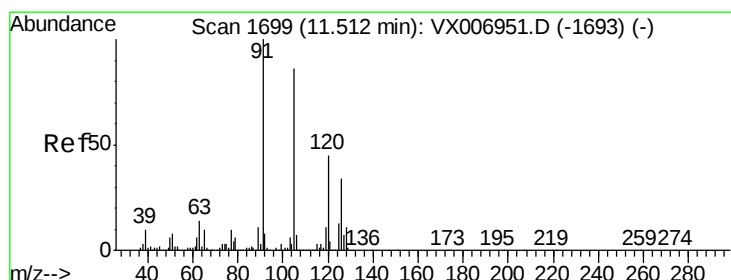
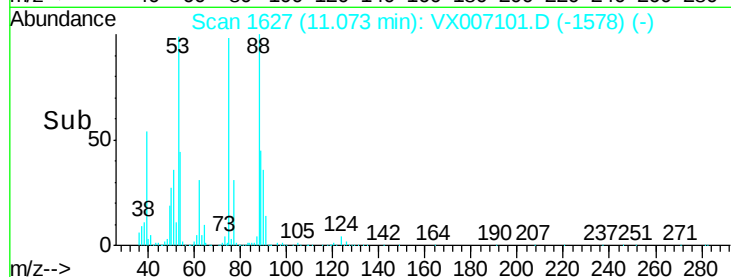
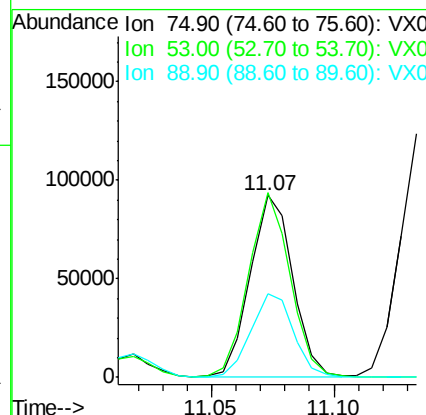
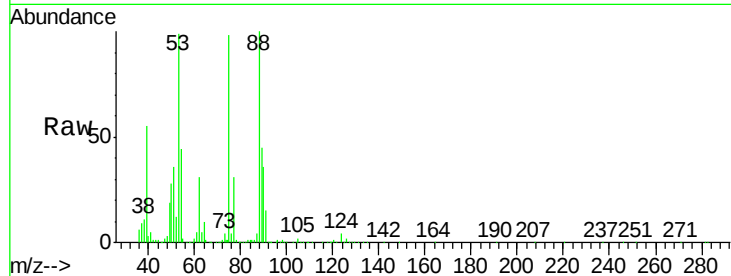
#81
trans-1,4-Dichloro-2-butene
Concen: 46.372 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	79.7	119.5
89	46.7	38.0	57.0

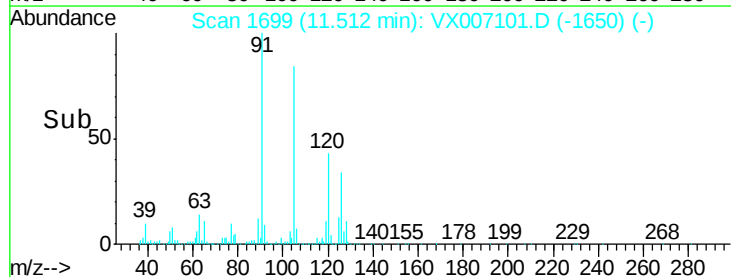
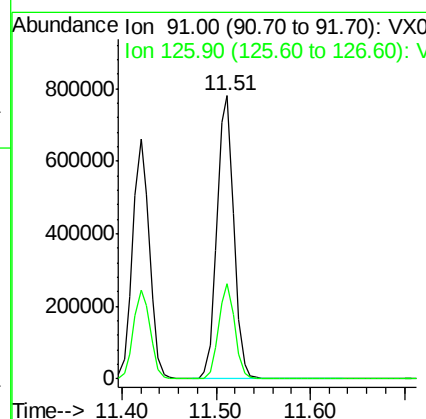
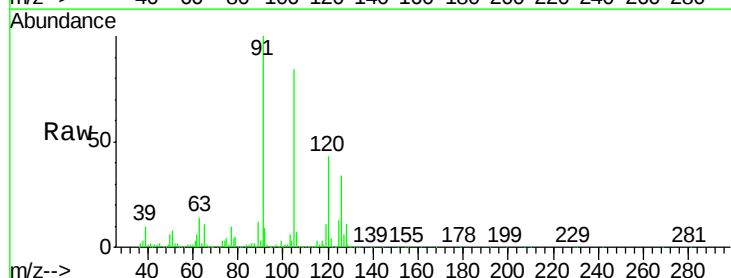
Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#82
4-Chlorotoluene
Concen: 49.676 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.9





#83

tert-Butylbenzene

Concen: 50.769 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1072864

Ion Ratio Lower Upper

119 100

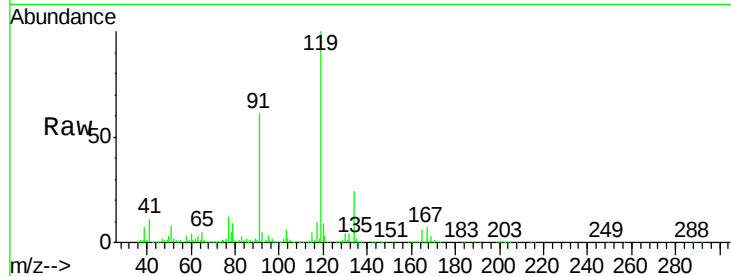
91 54.4 27.7 83.1

134 23.3 11.9 35.5

Manual Integrations
APPROVED

MMDadoda

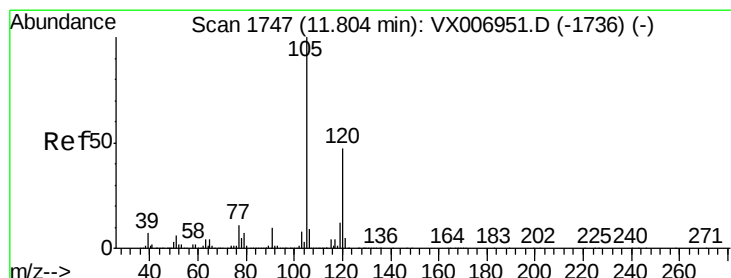
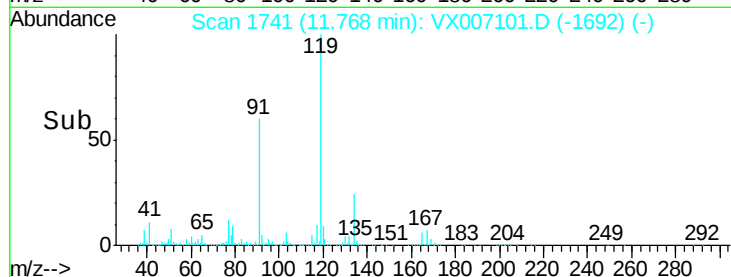
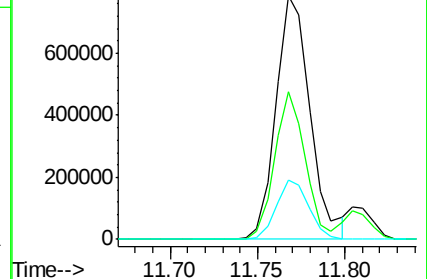
1/18/2019 10:24:35 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.099 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007101.D

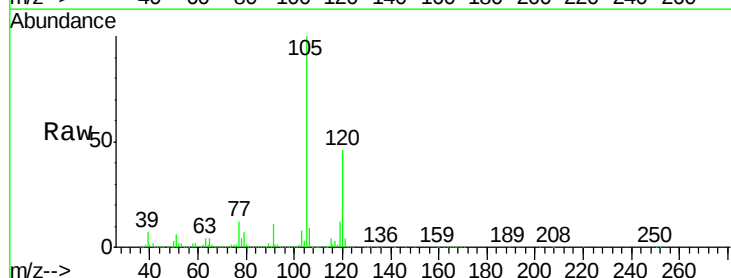
Acq: 17 Jan 2019 20:42

Tgt Ion:105 Resp: 1067039

Ion Ratio Lower Upper

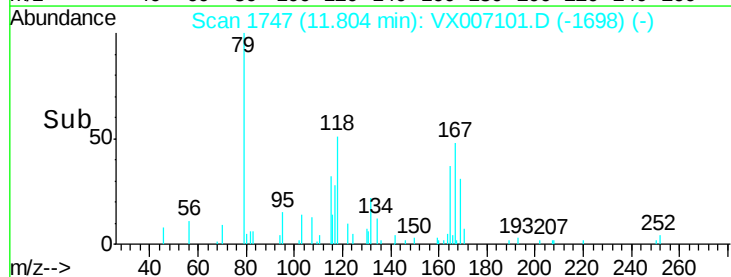
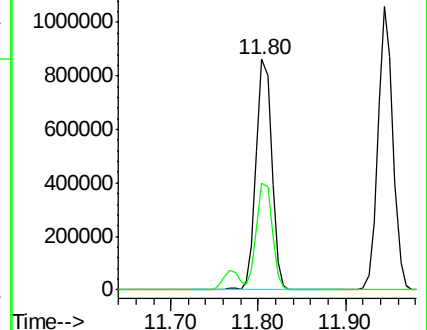
105 100

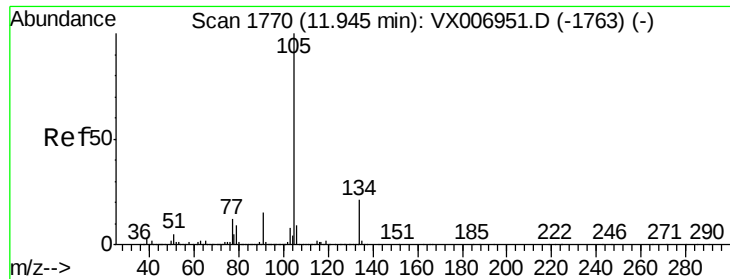
120 46.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.376 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1271378

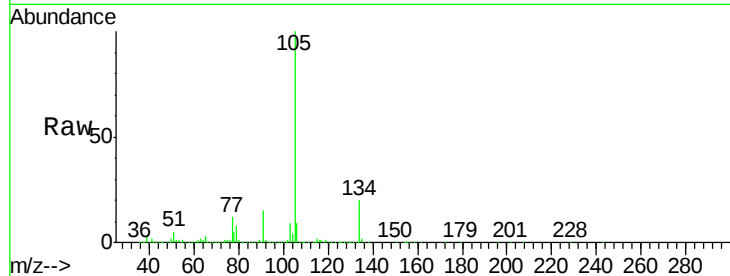
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

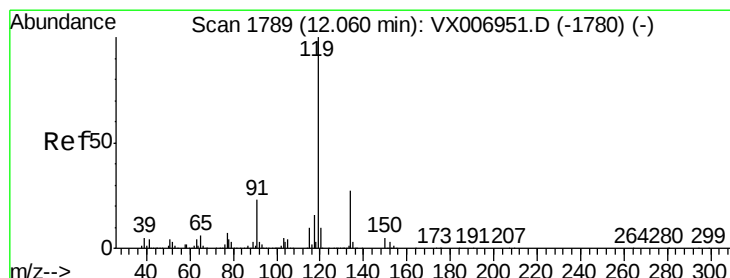
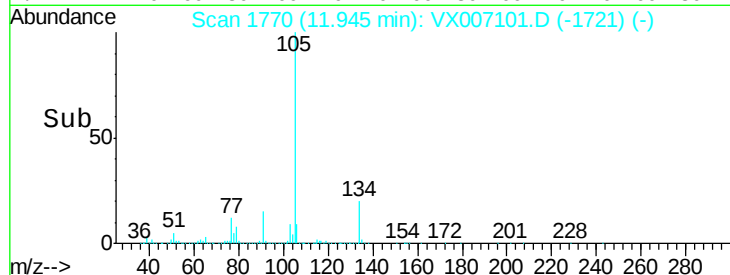
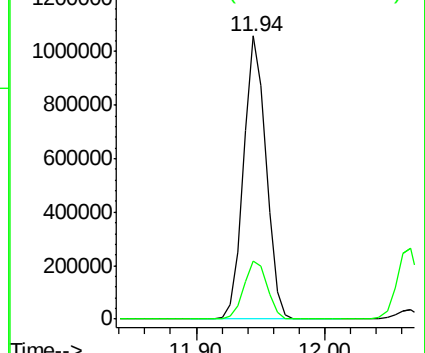
Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.566 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

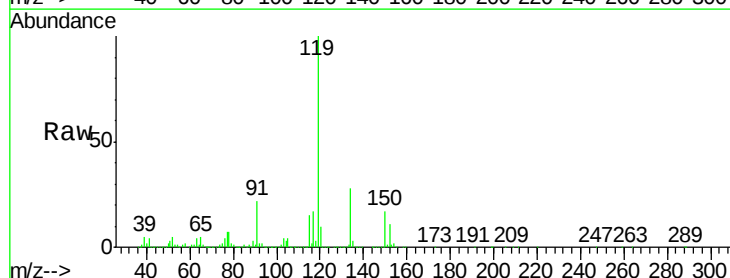
Tgt Ion:119 Resp: 1141494

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

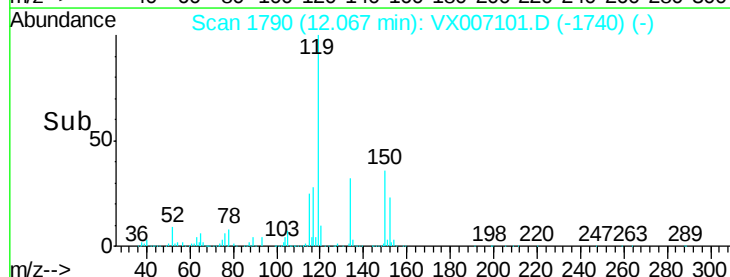
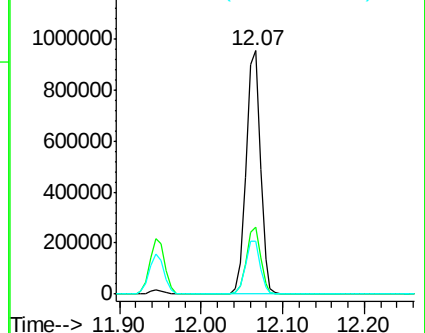
91 22.4 11.3 33.9



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): VX0





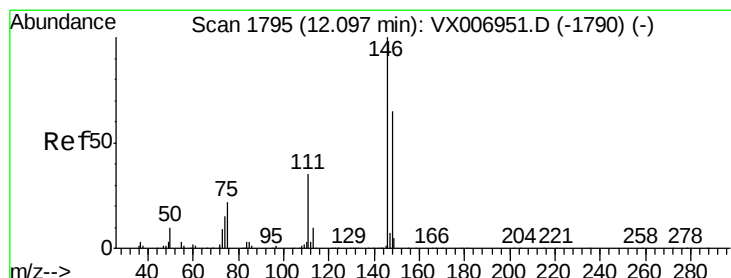
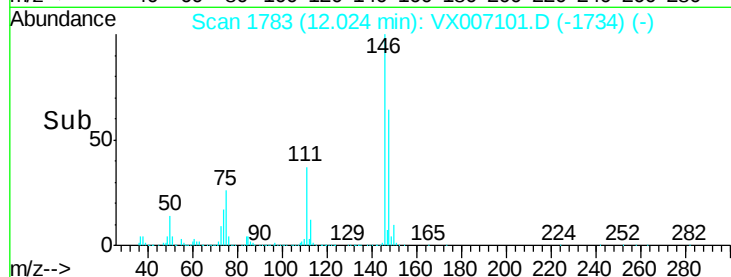
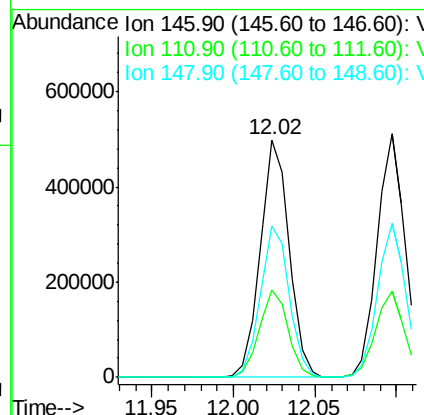
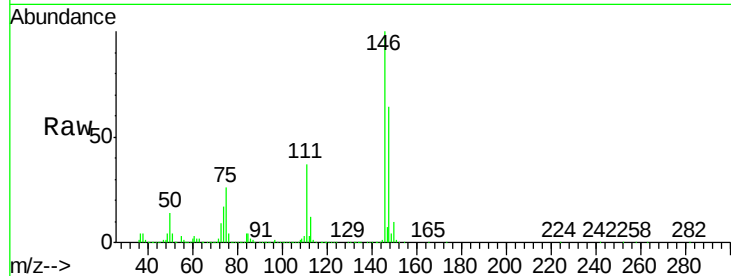
#87
 1,3-Dichlorobenzene
 Concen: 48.635 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007101.D
 Acq: 17 Jan 2019 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.0	31.8	95.3

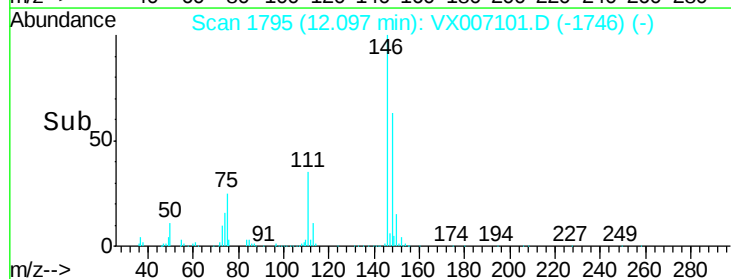
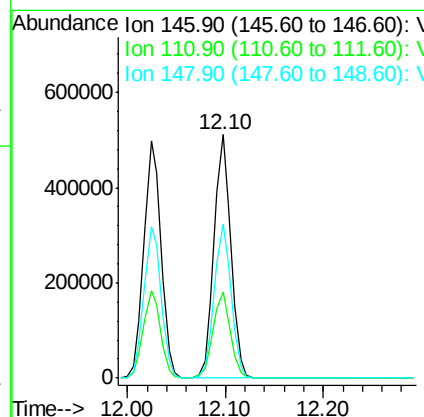
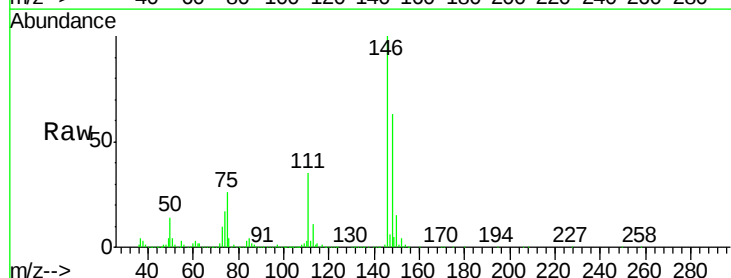
Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:24:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.202 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007101.D
 Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.8	31.9	95.9





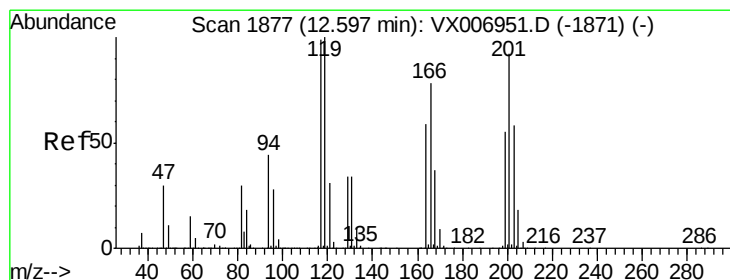
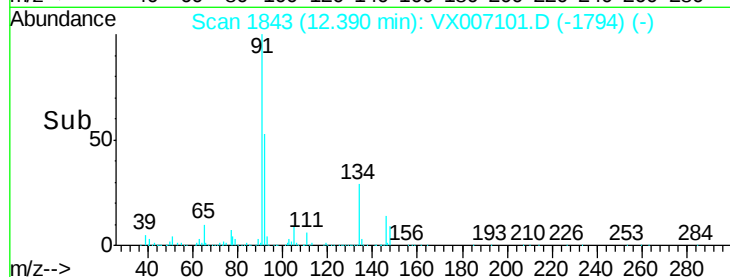
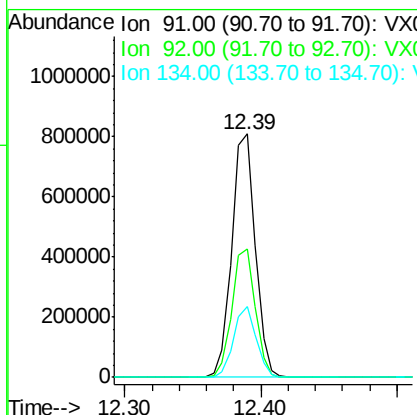
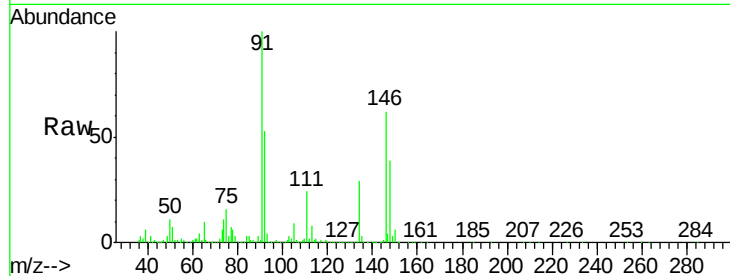
#89
n-Butylbenzene
Concen: 50.533 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	28.0	14.4	43.2

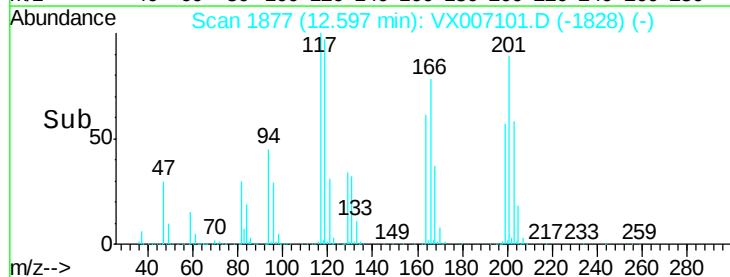
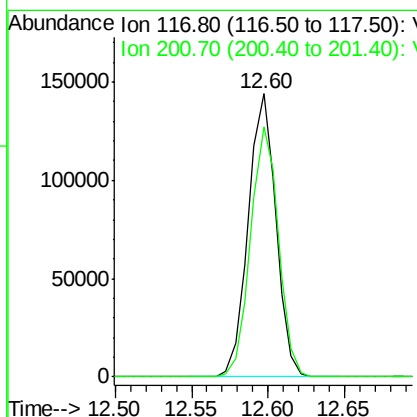
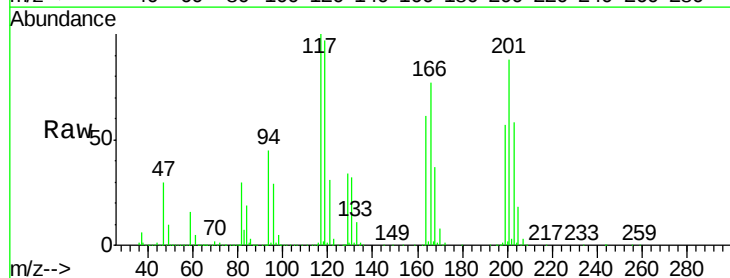
Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#90
Hexachloroethane
Concen: 50.276 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 48.778 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

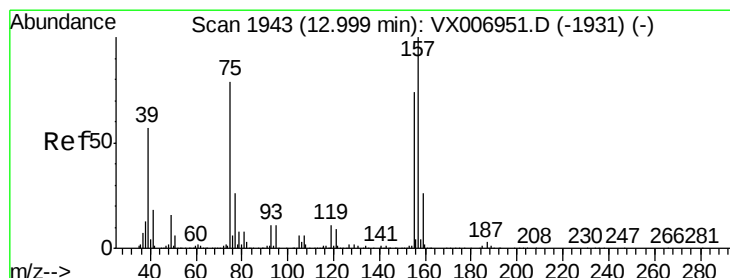
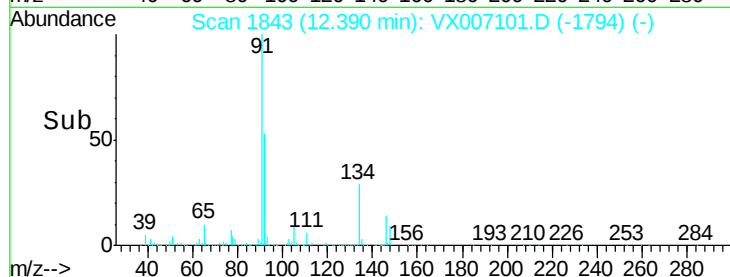
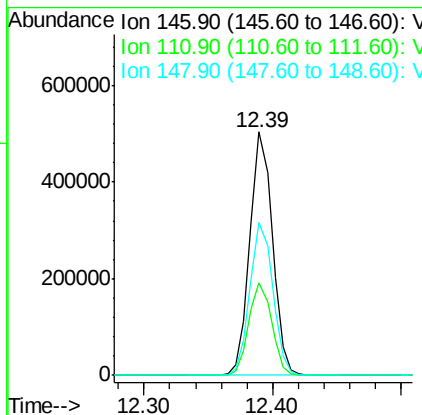
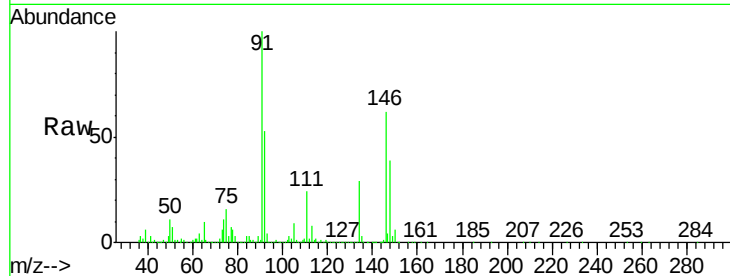
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	607688
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.2
148	63.7	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.843 ug/l

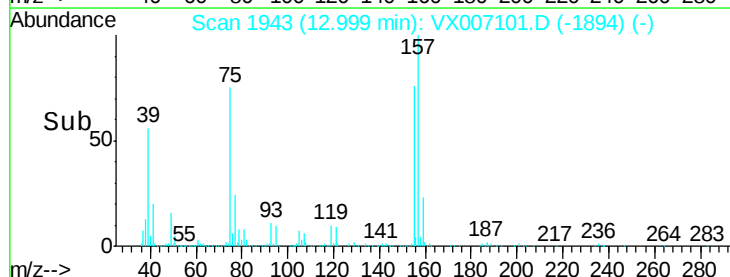
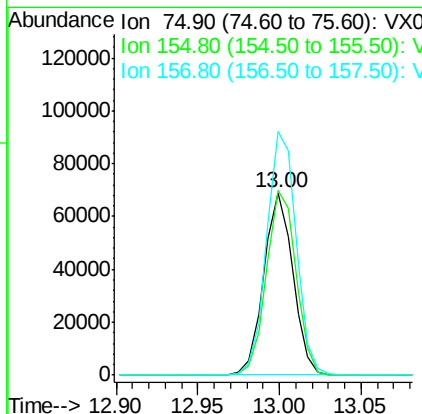
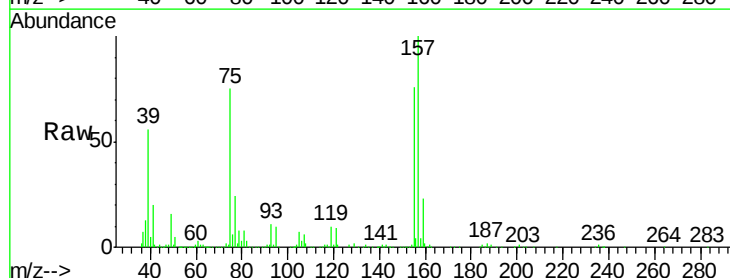
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	75	Resp:	85693
Ion Ratio	Lower	Upper	
75	100		
155	103.0	50.6	151.8
157	135.2	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 50.590 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Instrument :

MSVOA_X

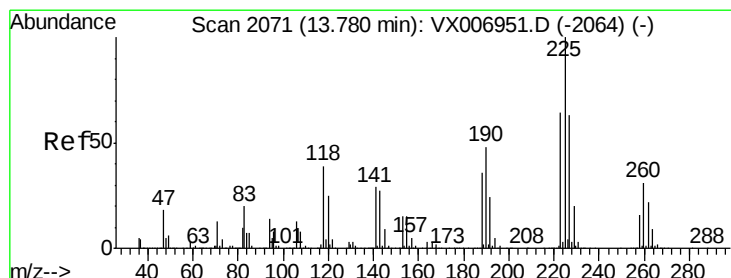
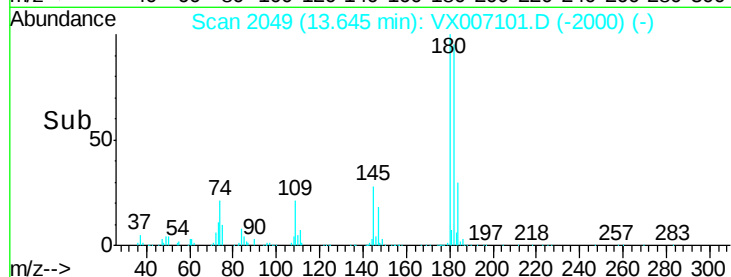
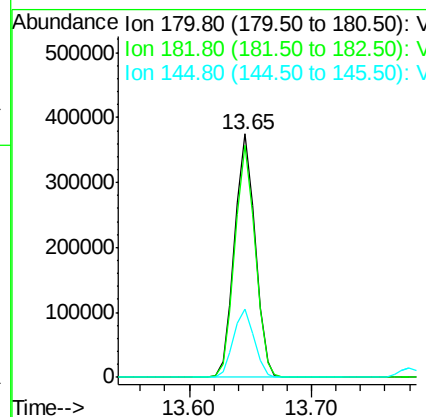
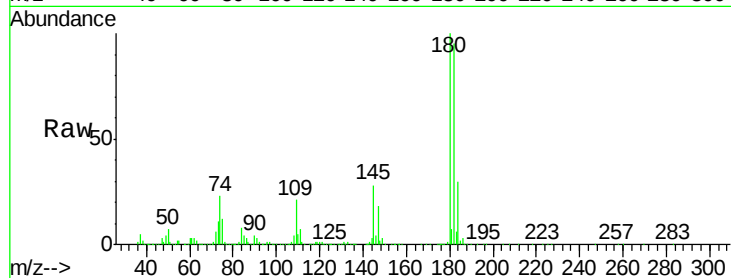
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	432408
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	28.6	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#94

Hexachlorobutadiene

Concen: 52.373 ug/l

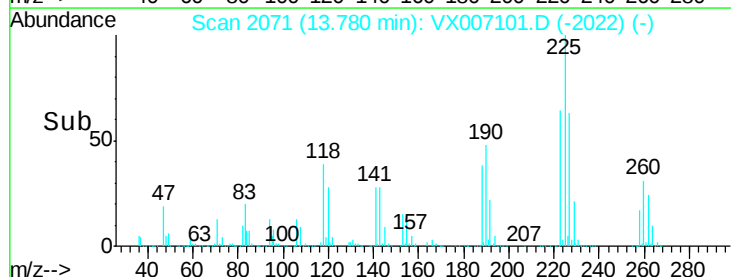
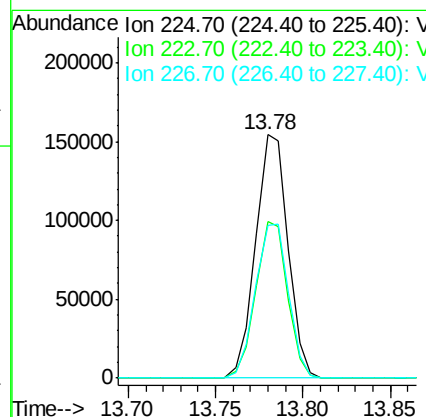
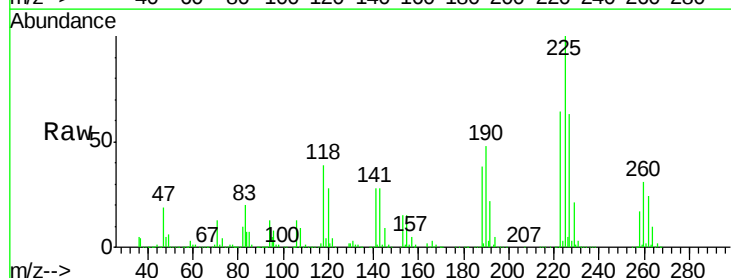
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007101.D

Acq: 17 Jan 2019 20:42

Tgt Ion:	225	Resp:	198648
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.1	96.3
227	64.6	32.3	96.8





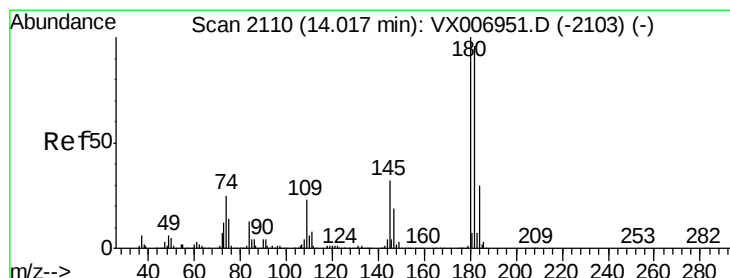
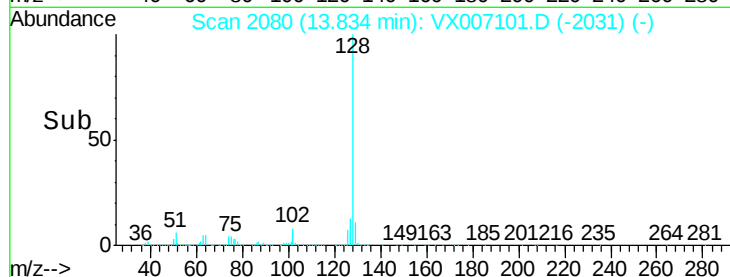
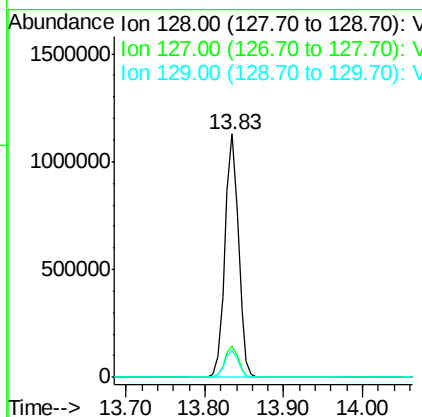
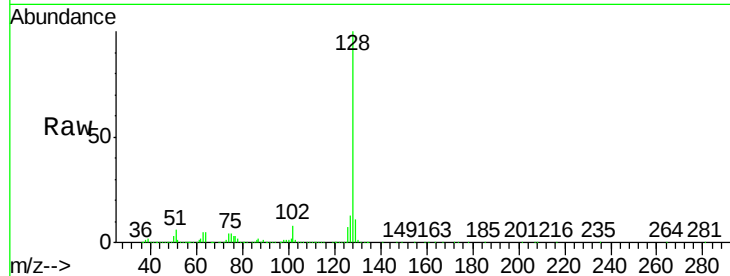
#95
Naphthalene
Concen: 51.816 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/18/2019 10:24:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.809 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007101.D
Acq: 17 Jan 2019 20:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.5	145.5
145	30.6	16.0	47.9

