

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000963.D
 Acq On : 17 Apr 2018 10:54
 Operator : JC/MD
 Sample : J2349-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:53:49 PM

Quant Time: Apr 17 12:56:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193003	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	138683	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	5.51	113	117063	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.72	98	426462	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	173902	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	123496	51.16	ug/l	100
3) Chloromethane	1.32	50	116283	56.18	ug/l	99
4) Vinyl Chloride	1.41	62	130934	56.24	ug/l	98
5) Bromomethane	1.64	94	77732	81.54	ug/l	99
6) Chloroethane	1.73	64	79551	56.38	ug/l	99
7) Trichlorofluoromethane	1.93	101	195660	55.71	ug/l	98
8) Diethyl Ether	2.19	74	75174	57.29	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	113930	55.01	ug/l	98
10) Methyl Iodide	2.51	142	97949	59.00	ug/l	99
11) Tert butyl alcohol	3.07	59	115625	241.53	ug/l	99
12) 1,1-Dichloroethene	2.38	96	106460	54.24	ug/l	98
13) Acrolein	2.30	56	27918	120.09	ug/l	98
14) Allyl chloride	2.73	41	191787	52.85	ug/l	99
15) Acrylonitrile	3.15	53	294568	288.62	ug/l	99
16) Acetone	2.45	43	238886	256.92	ug/l	100
17) Carbon Disulfide	2.57	76	263789	44.39	ug/l	99
18) Methyl Acetate	2.78	43	145968	60.66	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	380589	58.22	ug/l	98
20) Methylene Chloride	2.86	84	119404	55.21	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	116817	53.97	ug/l	99
22) Diisopropyl ether	3.88	45	401881	60.26	ug/l	99
23) Vinyl Acetate	3.83	43	1617224	276.18	ug/l	98
24) 1,1-Dichloroethane	3.70	63	217420	58.10	ug/l	100
25) 2-Butanone	4.71	43	416277	271.11	ug/l	99
26) 2,2-Dichloropropane	4.59	77	136669	36.79	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	152705	62.17	ug/l	96
28) Bromochloromethane	5.03	49	81750	54.25	ug/l	97
29) Tetrahydrofuran	5.17	42	269562	276.49	ug/l	100
30) Chloroform	5.23	83	231140	58.33	ug/l	99
31) Cyclohexane	5.59	56	185352	52.15	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	205846	54.53	ug/l	99
36) 1,1-Dichloropropene	5.81	75	167517	51.02	ug/l	99
37) Ethyl Acetate	4.87	43	162037	50.56	ug/l	99
38) Carbon Tetrachloride	5.79	117	181081	49.28	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000963.D
 Acq On : 17 Apr 2018 10:54
 Operator : JC/MD
 Sample : J2349-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:53:49 PM

Quant Time: Apr 17 12:56:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	186535	47.31	ug/l	98
40) Benzene	6.15	78	494045	54.16	ug/l	100
41) Methacrylonitrile	5.07	41	101367	54.74	ug/l	100
42) 1,2-Dichloroethane	6.21	62	189408	55.59	ug/l	99
43) Isopropyl Acetate	6.47	43	284455	51.77	ug/l	100
44) Trichloroethene	7.22	130	148441	52.32	ug/l	99
45) 1,2-Dichloropropane	7.52	63	130587	56.21	ug/l	97
46) Dibromomethane	7.67	93	87500	54.03	ug/l	100
47) Bromodichloromethane	7.90	83	172901	52.90	ug/l	98
48) Methyl methacrylate	7.79	41	152992	53.71	ug/l	100
49) 1,4-Dioxane	7.76	88	49431	863.56	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	896183	277.64	ug/l	99
52) Toluene	8.79	92	328051	54.20	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	196825	50.20	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	187234	49.04	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	134839	56.12	ug/l	99
56) Ethyl methacrylate	9.19	69	201643	54.40	ug/l	100
57) 1,3-Dichloropropane	9.38	76	219942	57.58	ug/l	100
59) 2-Hexanone	9.51	43	668855	268.41	ug/l	100
60) Dibromochloromethane	9.59	129	147165	51.19	ug/l	100
61) 1,2-Dibromoethane	9.68	107	140432	55.09	ug/l	100
64) Tetrachloroethene	9.34	164	141394	51.26	ug/l	98
65) Chlorobenzene	10.15	112	394961	55.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	142691	53.42	ug/l	99
67) Ethyl Benzene	10.26	91	645601	54.56	ug/l	99
68) m/p-Xylenes	10.37	106	504374	107.99	ug/l	99
69) o-Xylene	10.71	106	247340	54.95	ug/l	100
70) Styrene	10.72	104	414821	54.66	ug/l	99
71) Bromoform	10.87	173	118602	47.95	ug/l	99
73) Isopropylbenzene	11.02	105	663816	54.22	ug/l	100
74) N-amyl acetate	6.47	43	284455	51.59	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	198818	55.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	202910m	60.96	ug/l	
77) Bromobenzene	11.26	156	195306	54.43	ug/l	100
78) n-propylbenzene	11.37	91	739810	52.82	ug/l	100
79) 2-Chlorotoluene	11.43	91	448294	54.16	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	562823	53.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	48626	40.19	ug/l	91
82) 4-Chlorotoluene	11.52	91	536476	53.69	ug/l	99
83) tert-Butylbenzene	11.77	119	576667	53.53	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	580079	53.36	ug/l	99
85) sec-Butylbenzene	11.95	105	660984	52.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	606246	51.15	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	356383	53.66	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	362151	53.21	ug/l	99
89) n-Butylbenzene	12.40	91	518937	49.61	ug/l	100
90) Hexachloroethane	12.60	117	93540	46.64	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	355791	55.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40855	45.89	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	284652	52.03	ug/l	100

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
Data File : VX000963.D
Acq On : 17 Apr 2018 10:54
Operator : JC/MD
Sample : J2349-07MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

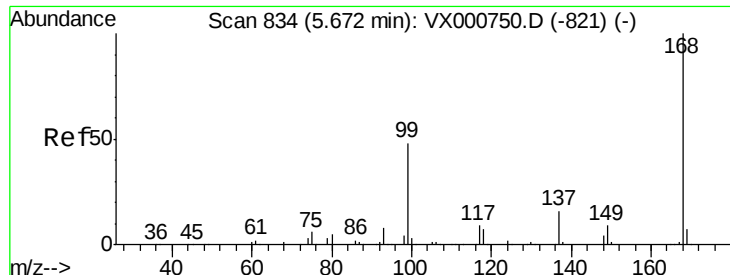
Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM

Quant Time: Apr 17 12:56:21 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	112052	41.65	ug/l	100
95) Naphthalene	13.84	128	755296	53.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	277428	52.21	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion:168 Resp: 213842

Ion Ratio Lower Upper

168 100

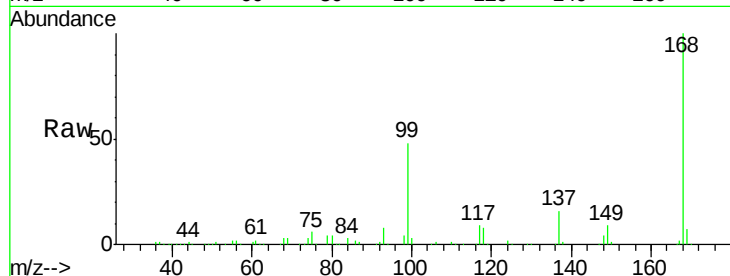
99 47.7 38.3 57.5

Manual Integrations

APPROVED

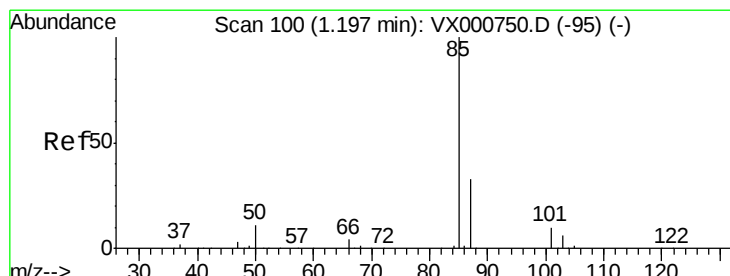
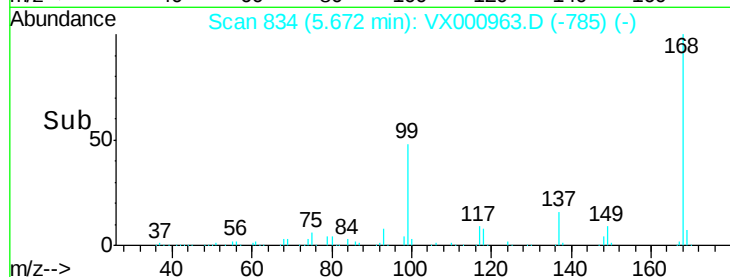
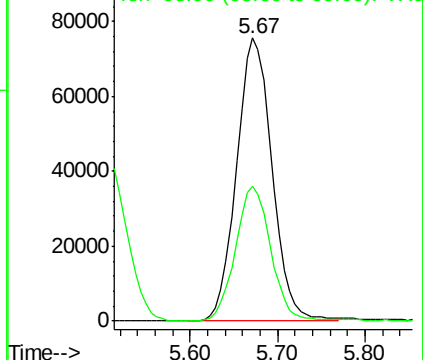
MMDadoda

4/18/2018 2:53:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.16 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000963.D

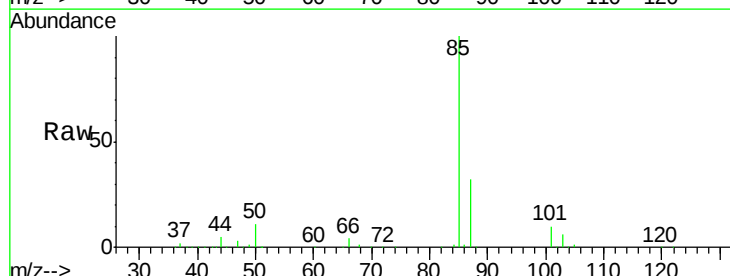
Acq: 17 Apr 2018 10:54

Tgt Ion: 85 Resp: 123496

Ion Ratio Lower Upper

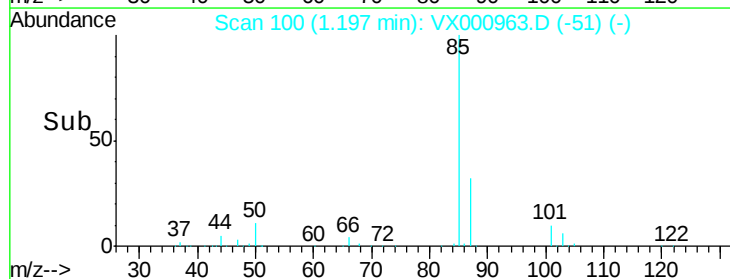
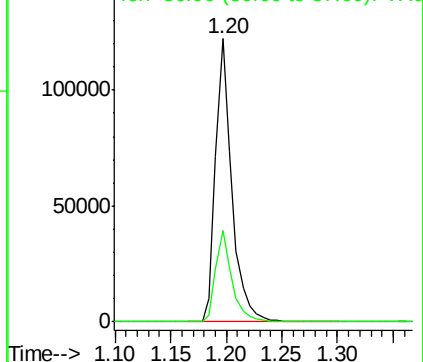
85 100

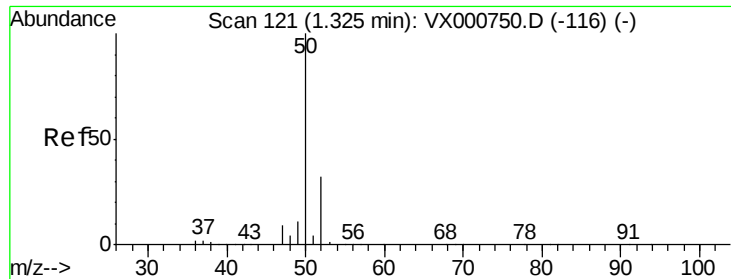
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 56.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 50 Resp: 116283

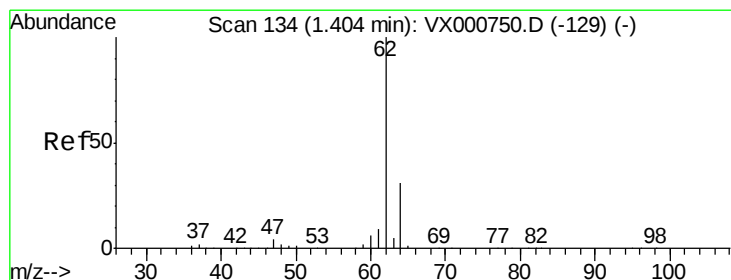
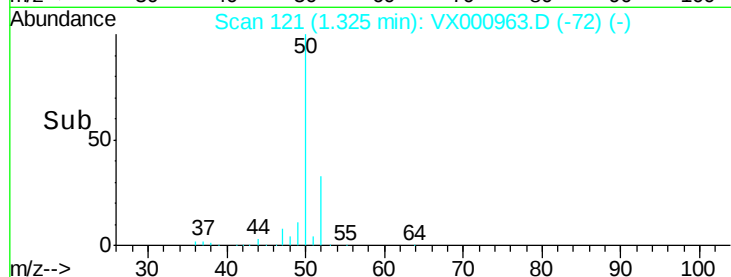
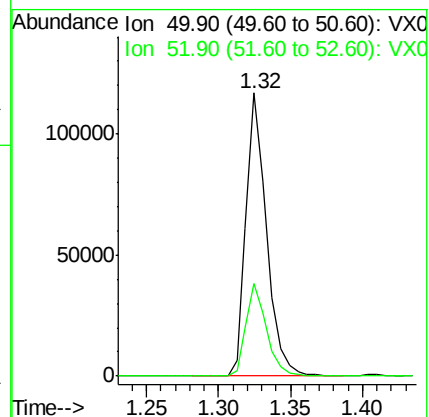
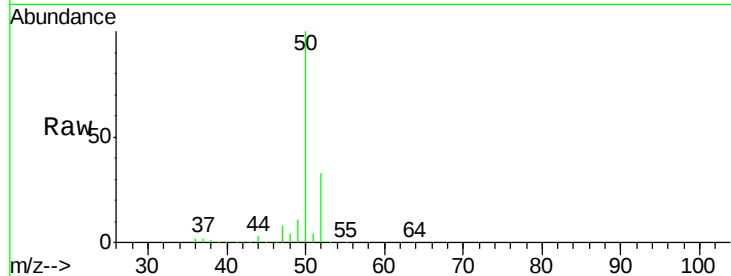
Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#4

Vinyl Chloride

Concen: 56.24 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000963.D

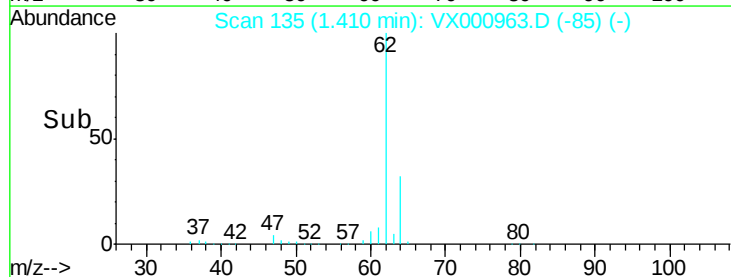
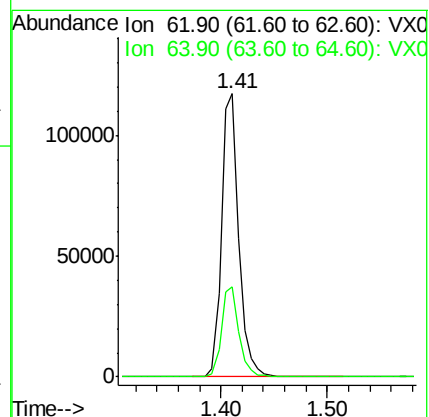
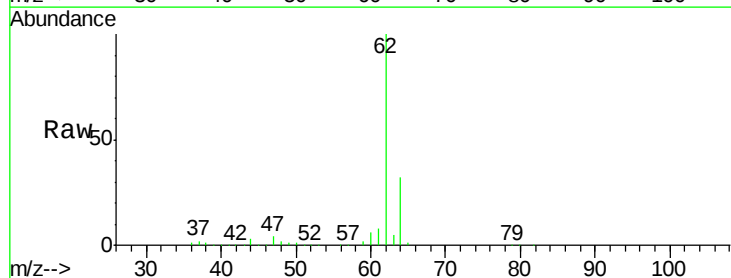
Acq: 17 Apr 2018 10:54

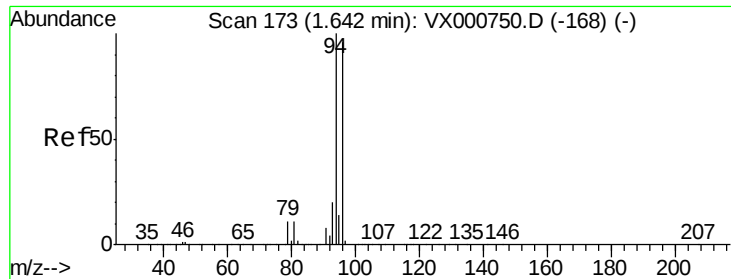
Tgt Ion: 62 Resp: 130934

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 81.54 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 94 Resp: 77732

Ion Ratio Lower Upper

94 100

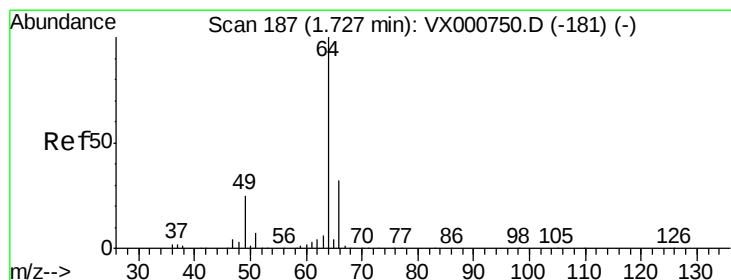
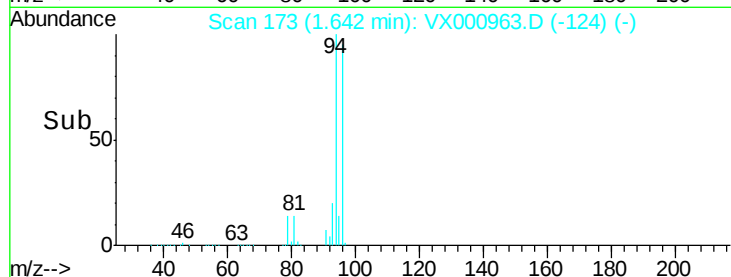
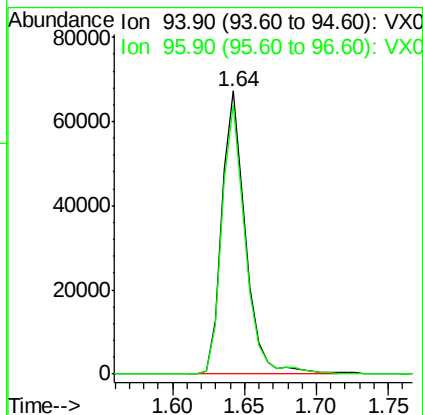
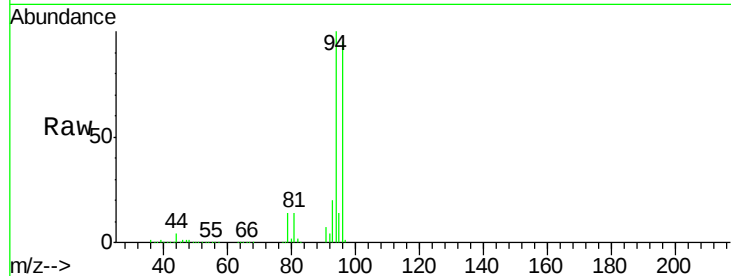
96 94.9 77.0 115.6

Manual Integrations

APPROVED

MMDadoda

4/18/2018 2:53:49 PM



#6

Chloroethane

Concen: 56.38 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000963.D

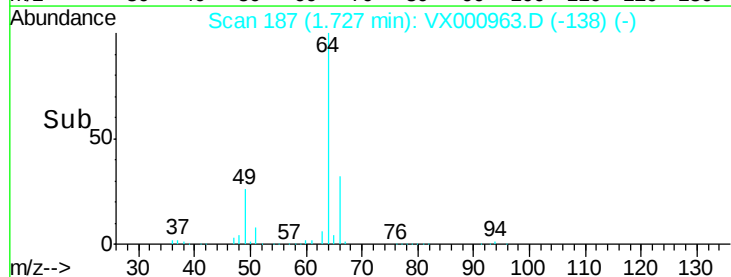
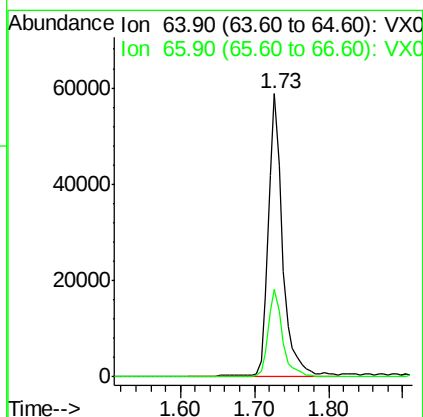
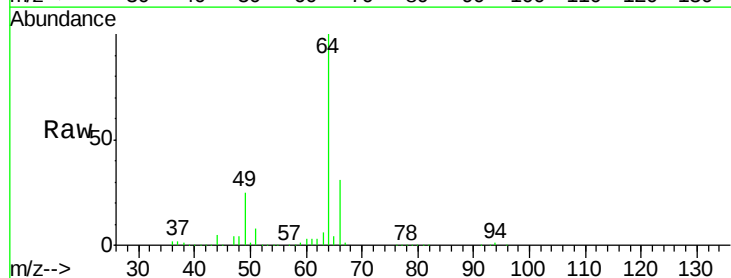
Acq: 17 Apr 2018 10:54

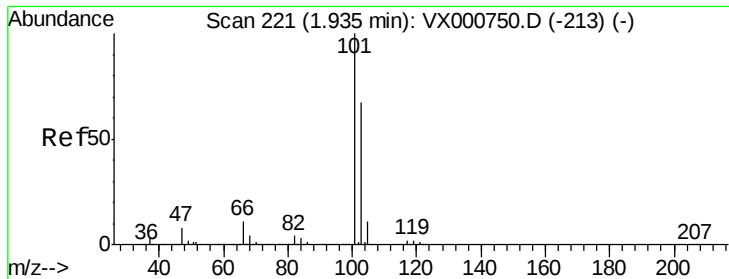
Tgt Ion: 64 Resp: 79551

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

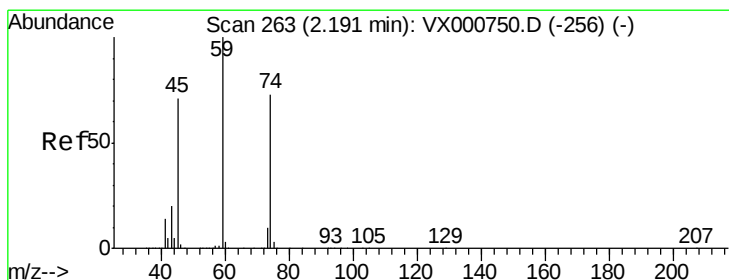
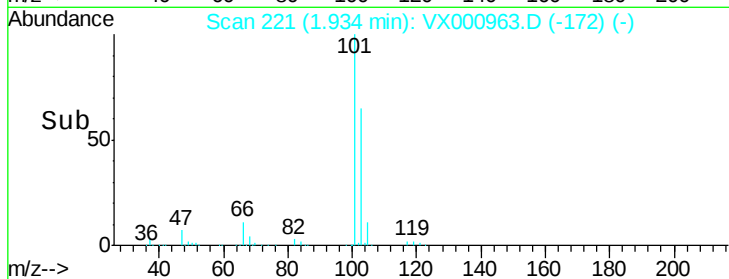
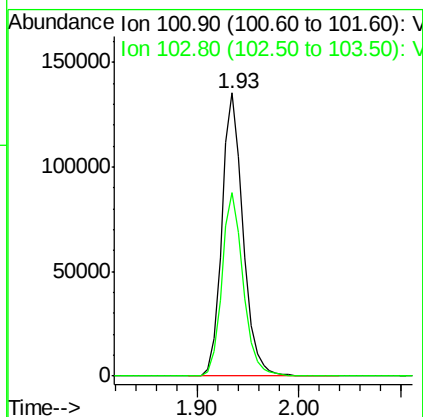
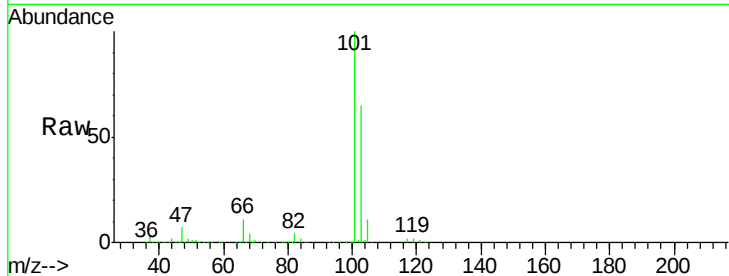
Trichlorofluoromethane
Concen: 55.71 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.2	79.8

Manual Integrations
APPROVED

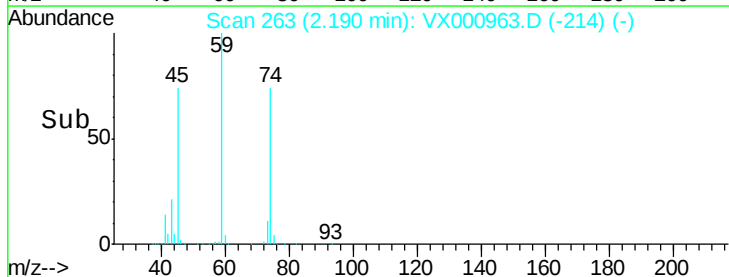
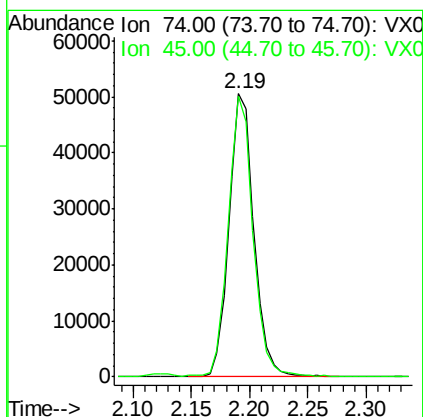
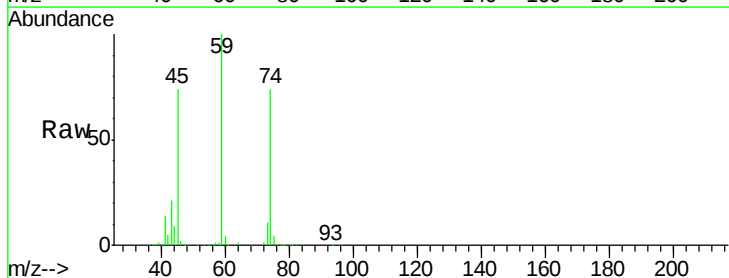
MMDadoda
4/18/2018 2:53:49 PM

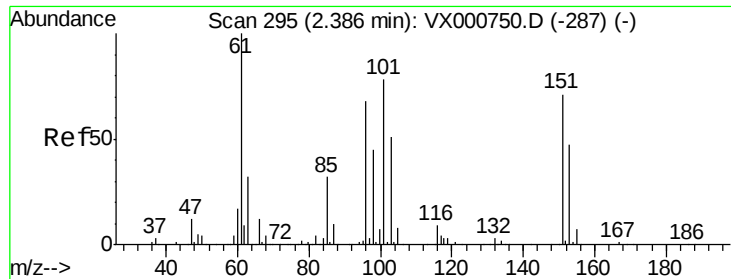


#8

Diethyl Ether
Concen: 57.29 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.01 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

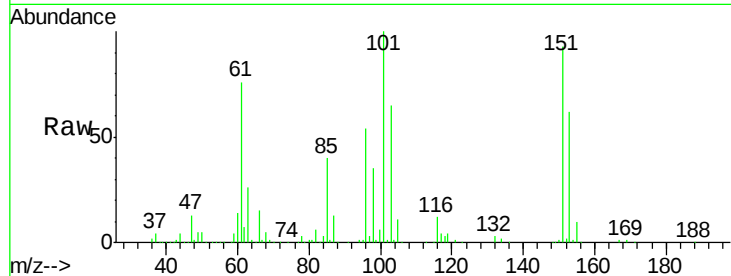
ClientSampleId :

LF012MW001-180410MSD

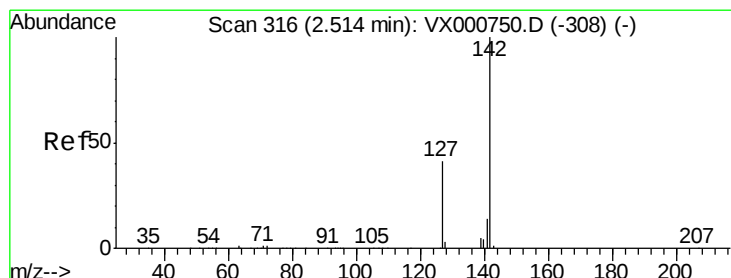
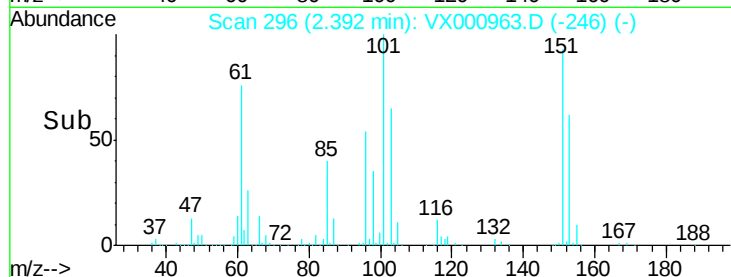
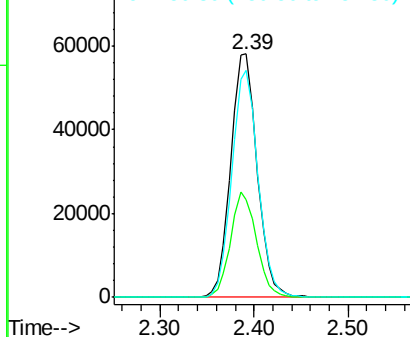
Tot Ion:	101	Resp:	113930
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.0	51.0
151	92.0	75.8	113.8

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 59.00 ug/l

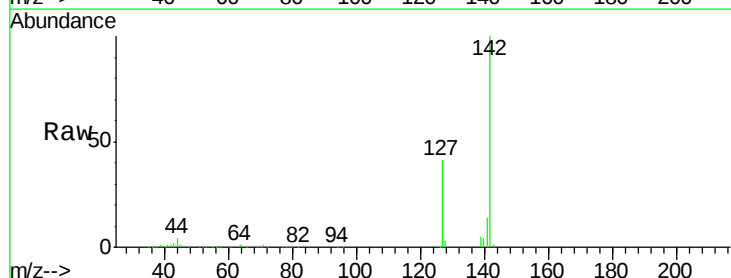
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

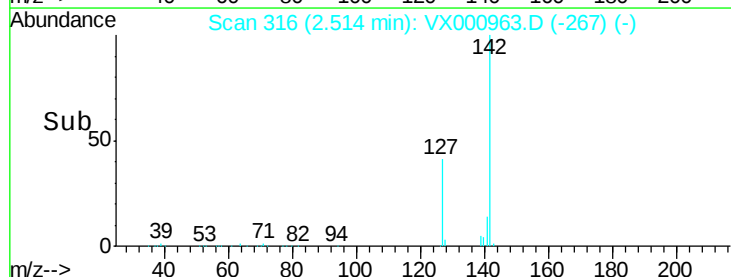
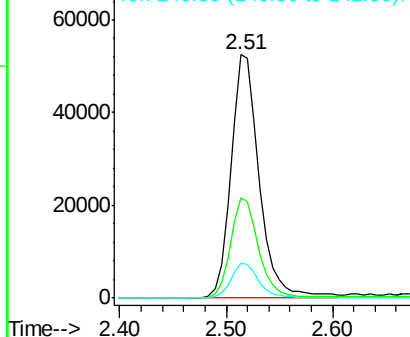
Lab File: VX000963.D

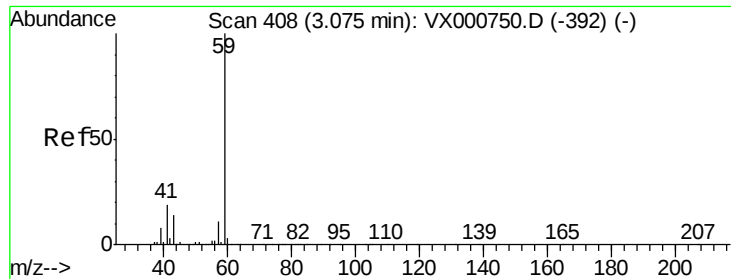
Acq: 17 Apr 2018 10:54

Tgt Ion:	142	Resp:	97949
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.6	49.0
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

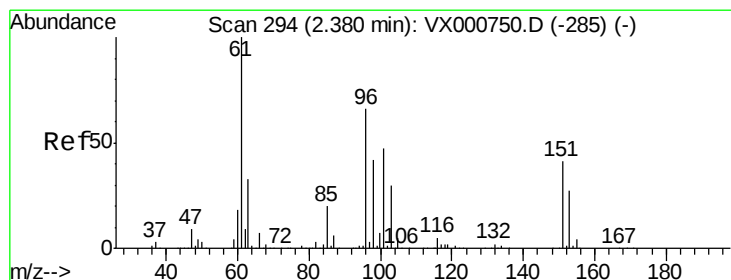
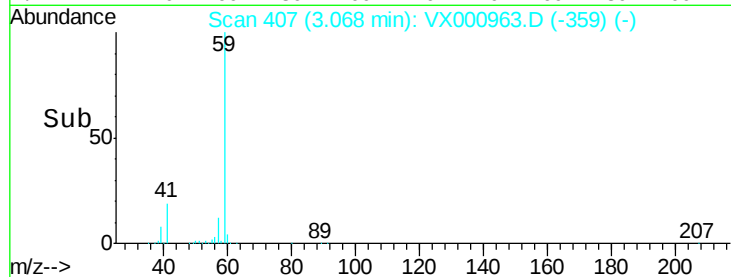
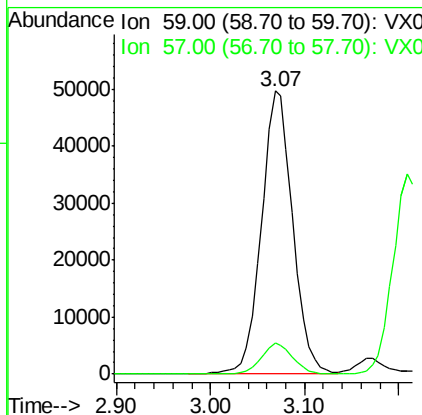
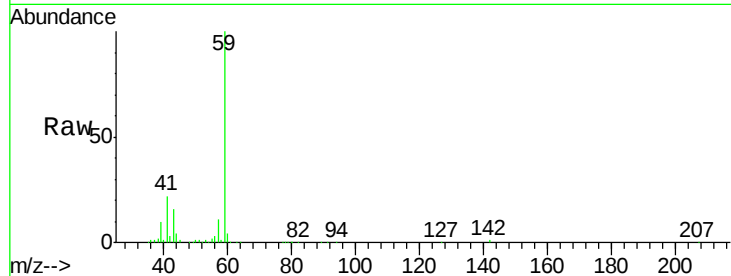
Tert butyl alcohol
Concen: 241.53 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	59	Resp	115625
Ion Ratio	100	Lower	Upper
57	10.8	8.4	12.6

Manual Integrations
APPROVED

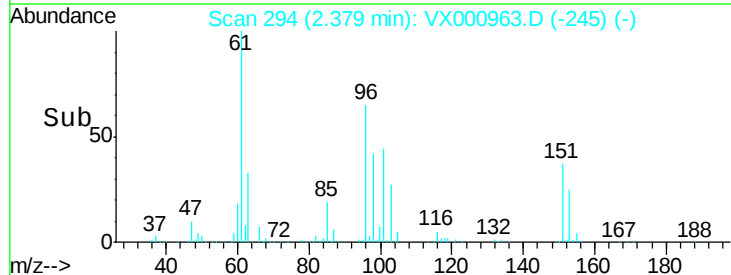
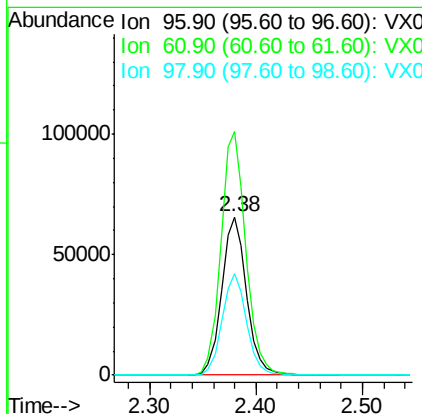
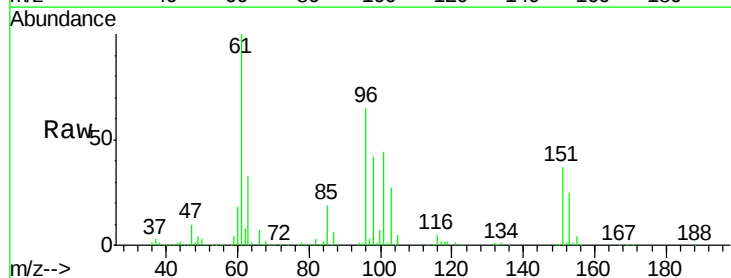
MMDadoda
4/18/2018 2:53:49 PM

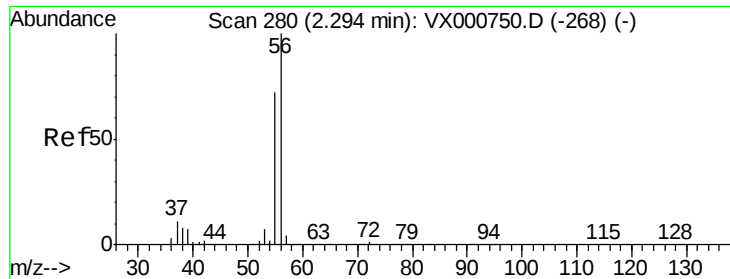


#12

1,1-Dichloroethene
Concen: 54.24 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	96	Resp	106460
Ion Ratio	100	Lower	Upper
61	153.9	120.5	180.7
98	64.2	50.9	76.3





#13

Acrolein

Concen: 120.09 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 56 Resp: 27918

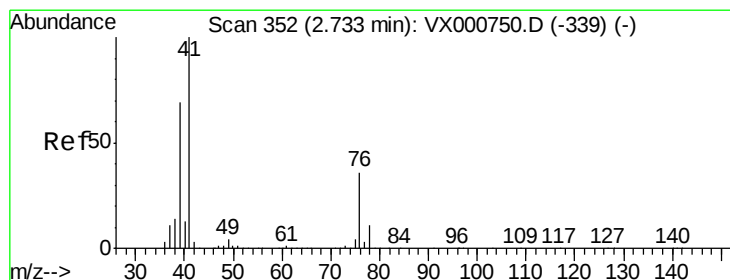
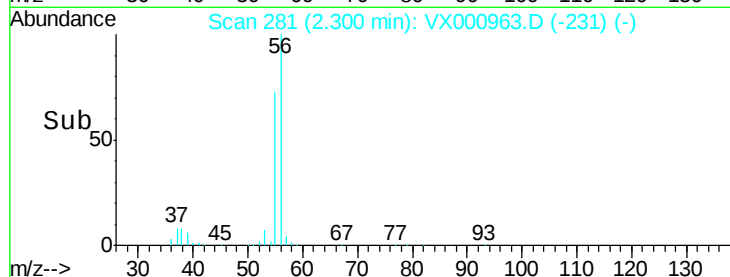
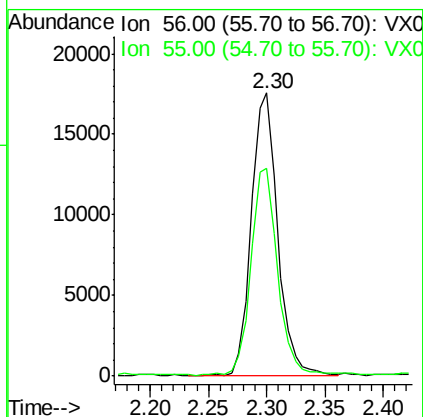
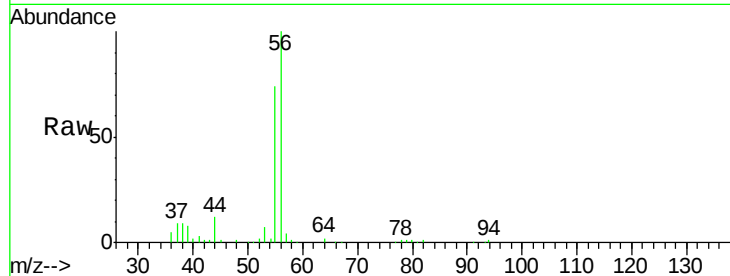
Ion Ratio Lower Upper

56 100

55 74.8 58.7 88.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#14

Allyl chloride

Concen: 52.85 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

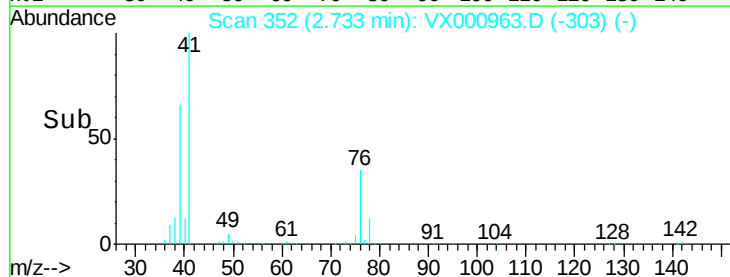
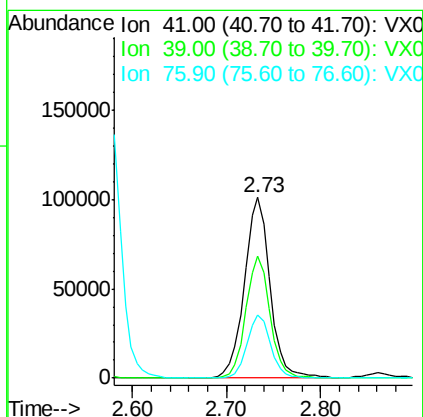
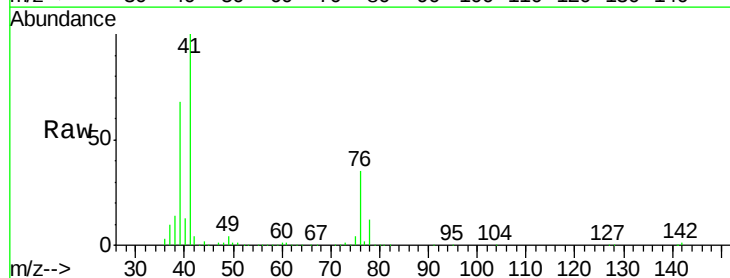
Tgt Ion: 41 Resp: 191787

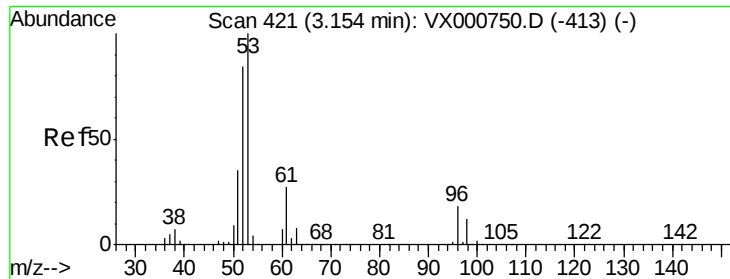
Ion Ratio Lower Upper

41 100

39 64.2 51.5 77.3

76 32.4 26.5 39.7





#15

Acrylonitrile

Concen: 288.62 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

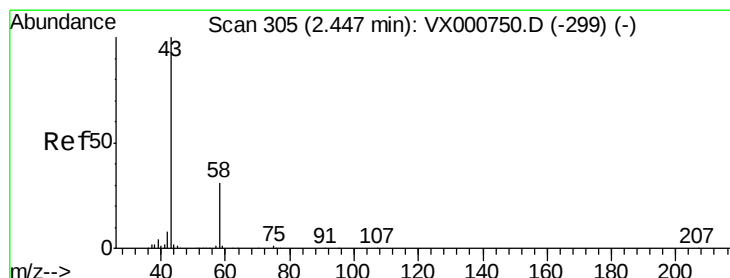
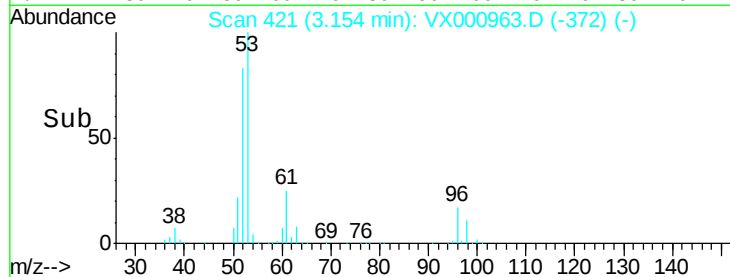
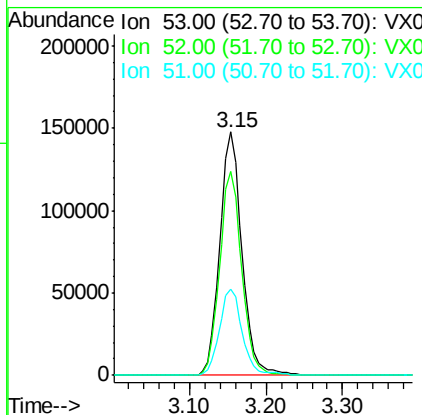
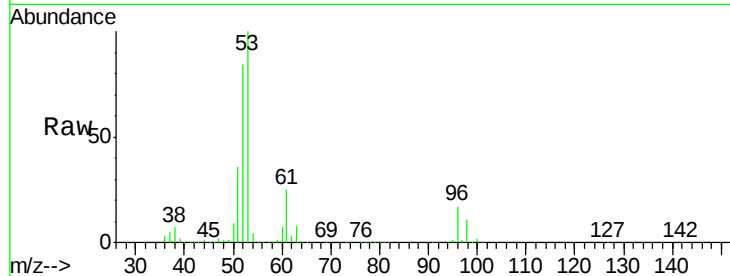
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	53	Resp:	294568
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.5	99.7
51	36.7	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#16

Acetone

Concen: 256.92 ug/l

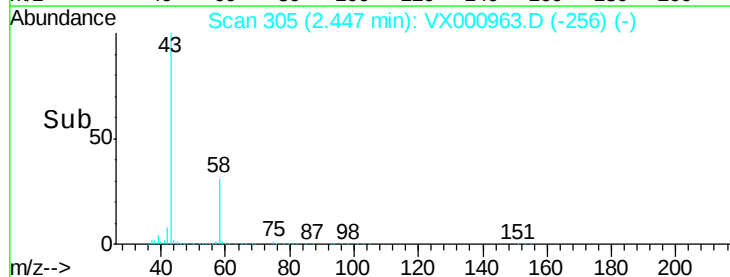
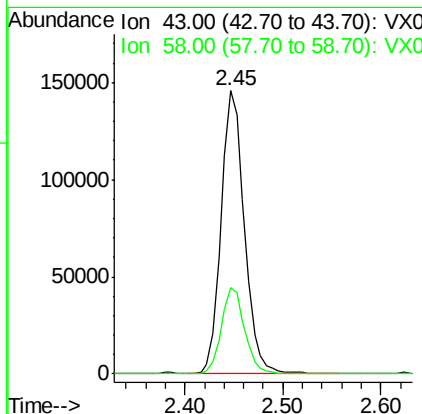
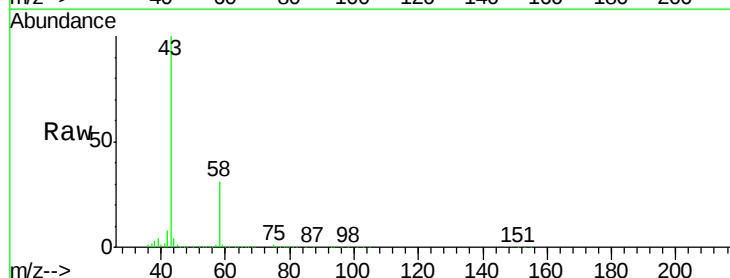
RT: 2.45 min Scan# 305

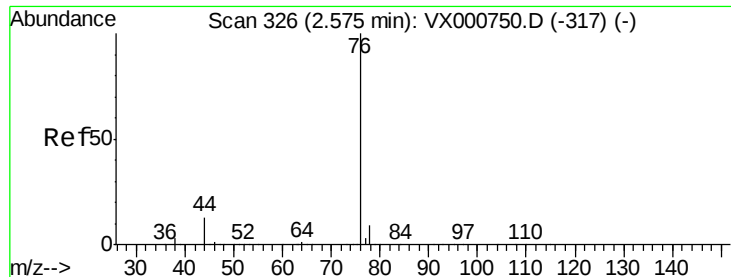
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	43	Resp:	238886
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.6	37.0





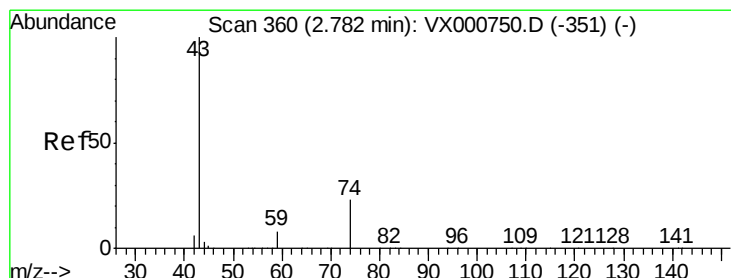
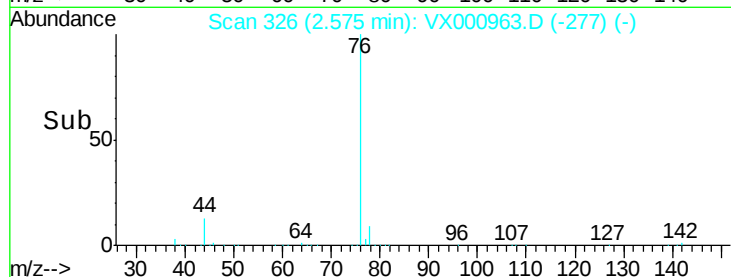
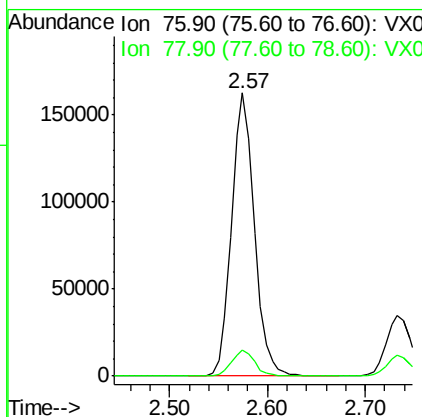
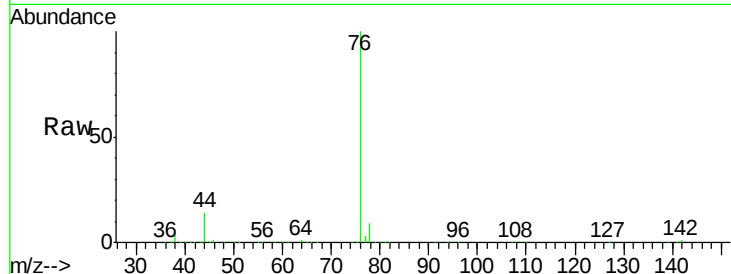
#17
Carbon Disulfide
Concen: 44.39 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

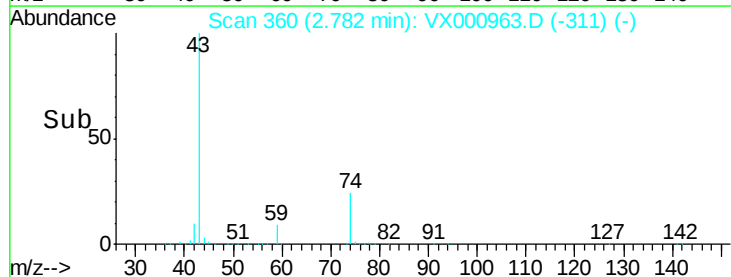
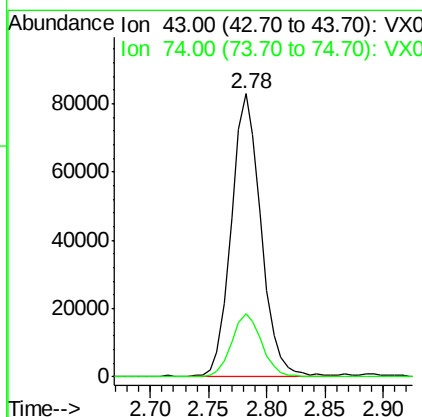
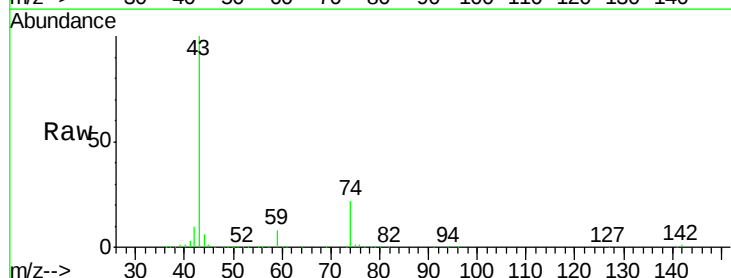
Manual Integrations
APPROVED

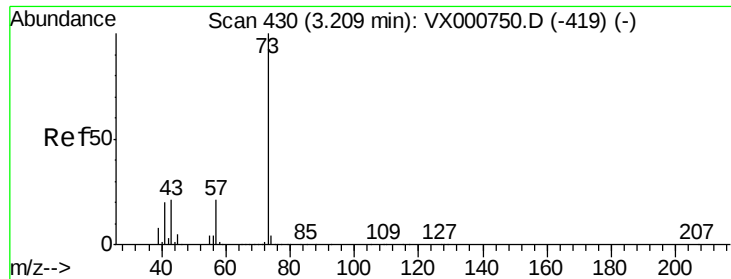
MMDadoda
4/18/2018 2:53:49 PM



#18
Methyl Acetate
Concen: 60.66 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.1	28.7





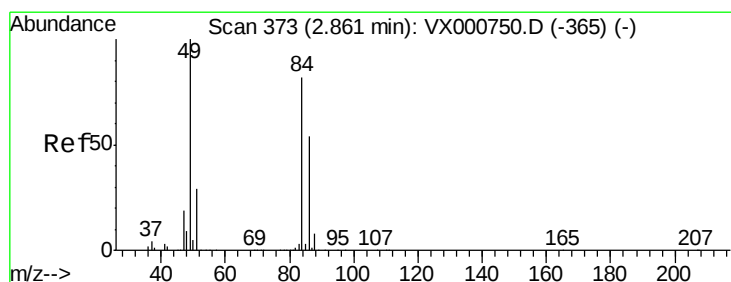
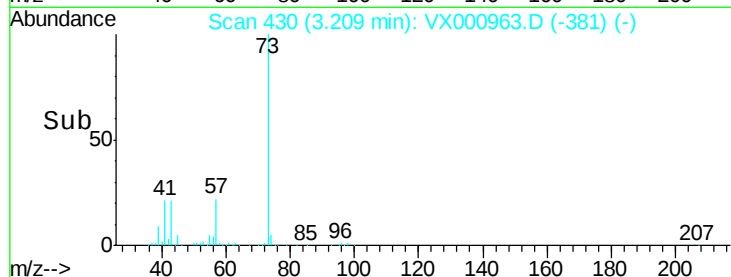
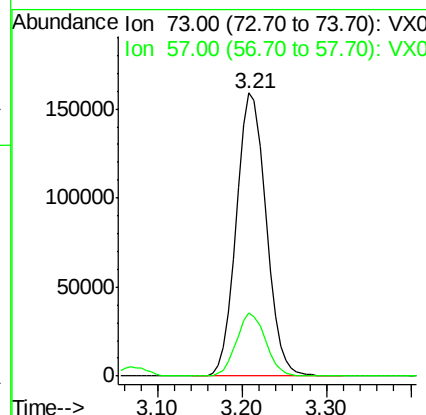
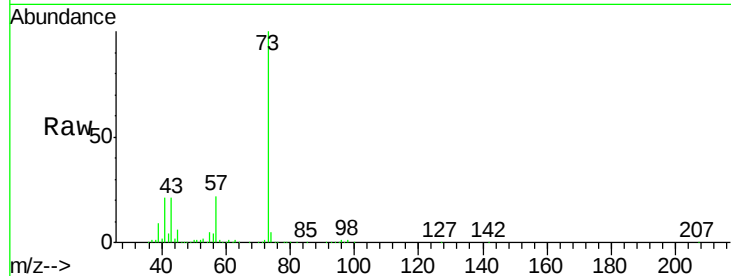
#19
Methyl tert-butyl Ether
Concen: 58.22 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.9	25.3

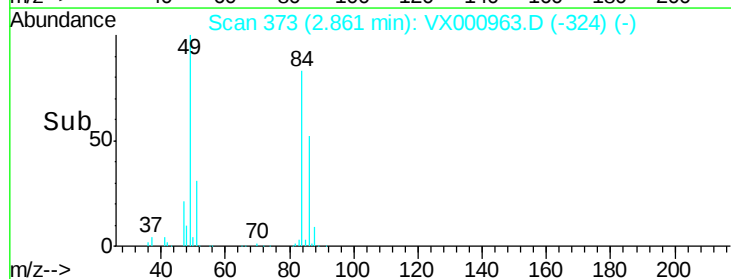
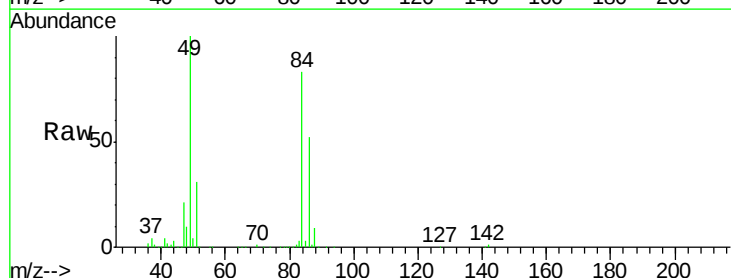
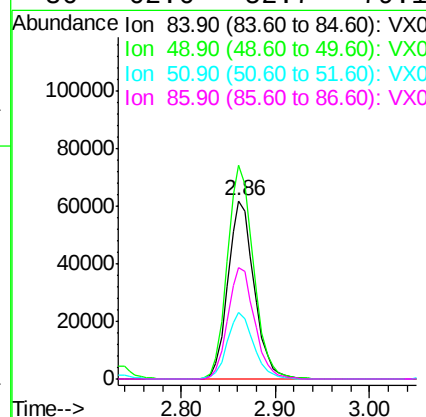
Manual Integrations
APPROVED

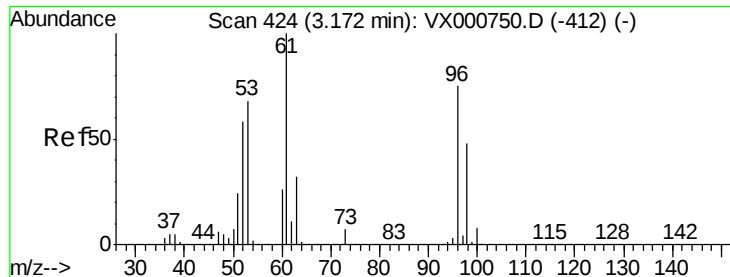
MMDadoda
4/18/2018 2:53:49 PM



#20
Methylene Chloride
Concen: 55.21 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	98.1	147.1
51	37.3	28.9	43.3
86	62.6	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 53.97 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

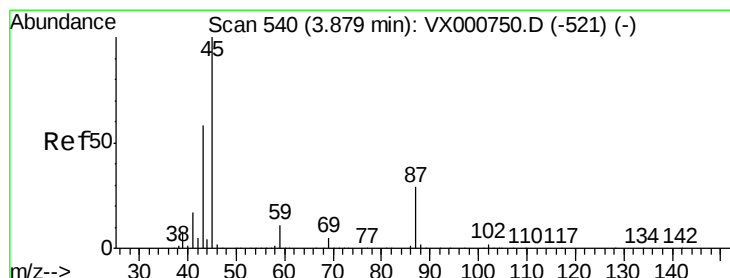
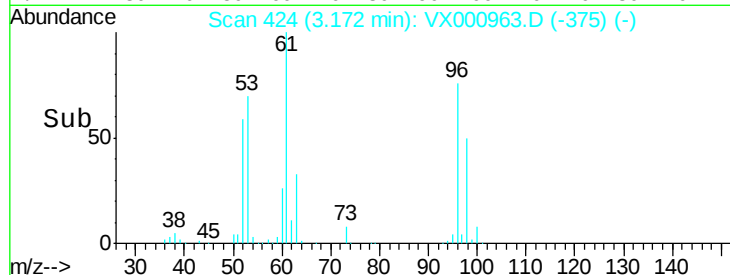
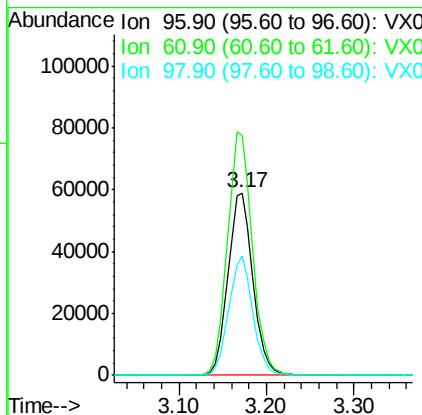
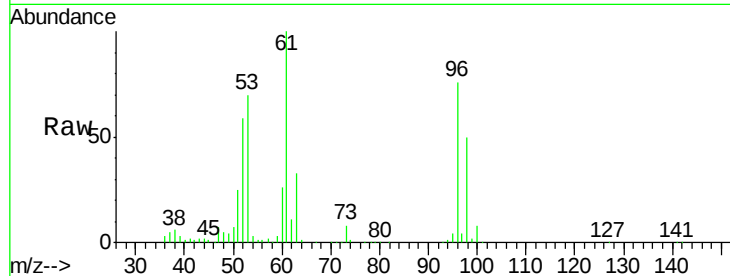
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	96	Resp:	116817
Ion	Ratio	Lower	Upper
96	100		
61	131.4	106.2	159.2
98	65.1	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#22

Diisopropyl ether

Concen: 60.26 ug/l

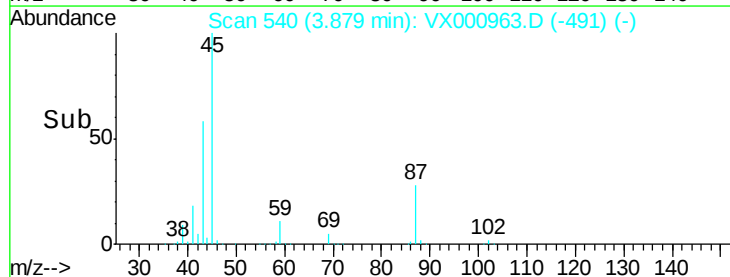
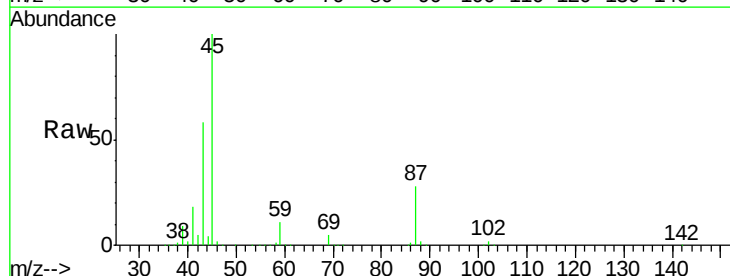
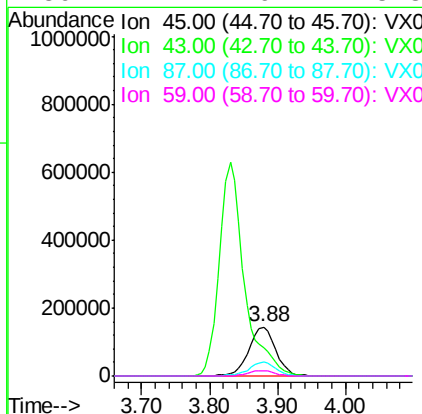
RT: 3.88 min Scan# 540

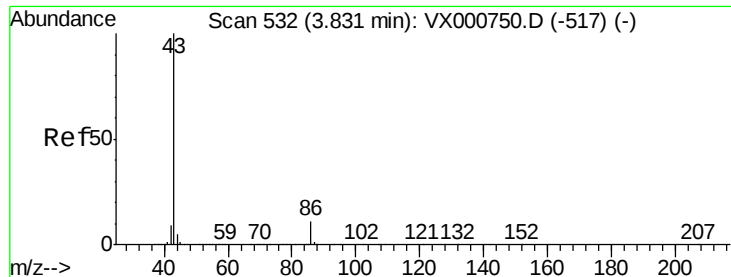
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	45	Resp:	401881
Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.6	69.8
87	28.4	22.9	34.3
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 276.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tot Ion: 43 Resp: 1617224

Ion Ratio Lower Upper

43 100

86 10.0 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

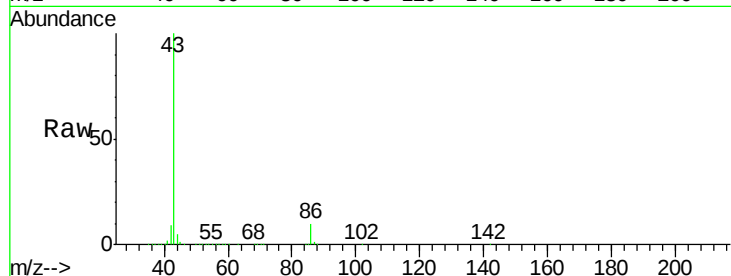
LF012MW001-180410MSD

Manual Integrations

APPROVED

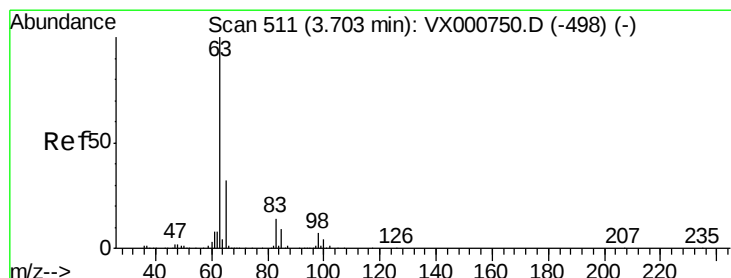
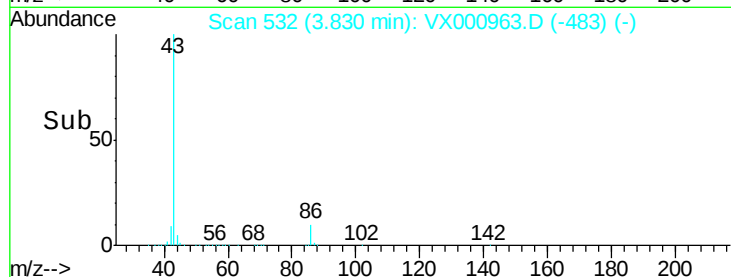
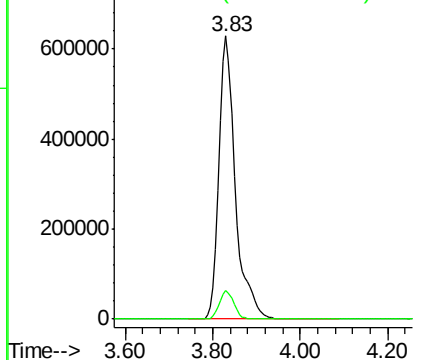
MMDadoda

4/18/2018 2:53:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 58.10 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

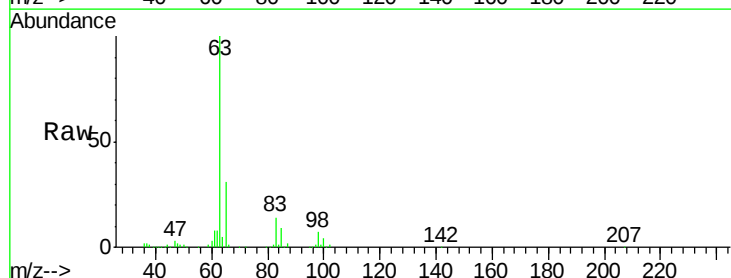
Tgt Ion: 63 Resp: 217420

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

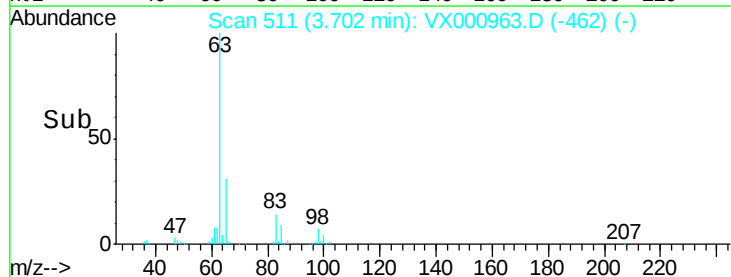
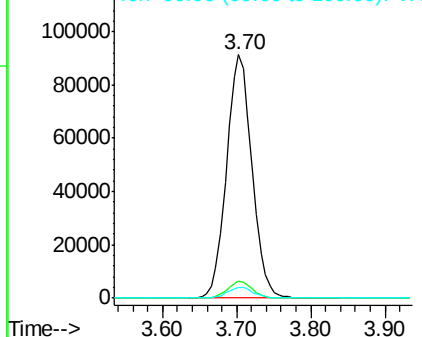
100 4.2 2.1 6.3

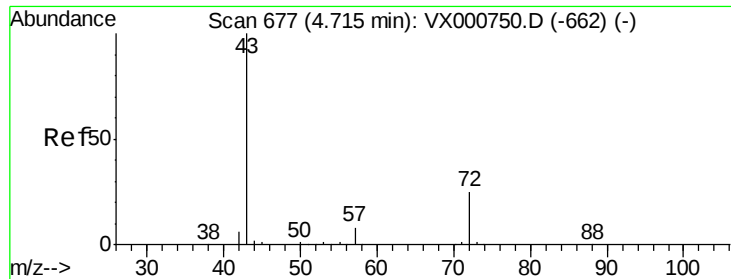


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 271.11 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 43 Resp: 416277

Ion Ratio Lower Upper

43 100

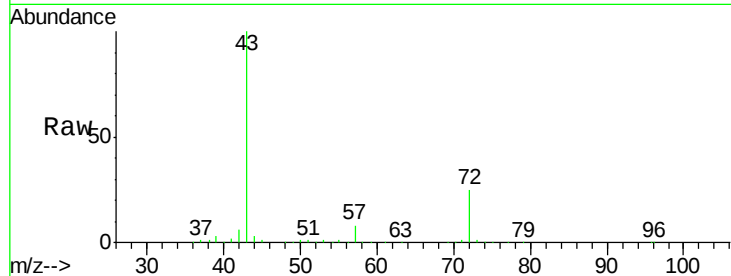
72 24.9 20.3 30.5

Manual Integrations

APPROVED

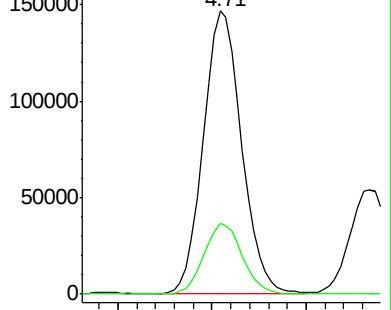
MMDadoda

4/18/2018 2:53:49 PM

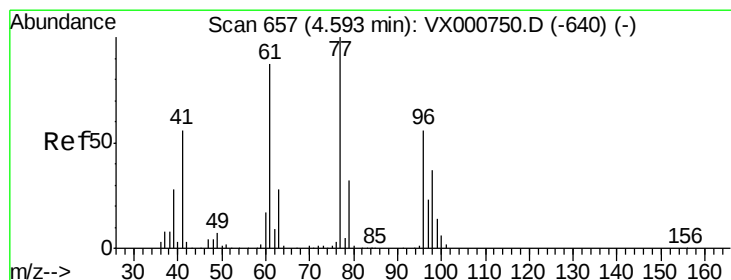
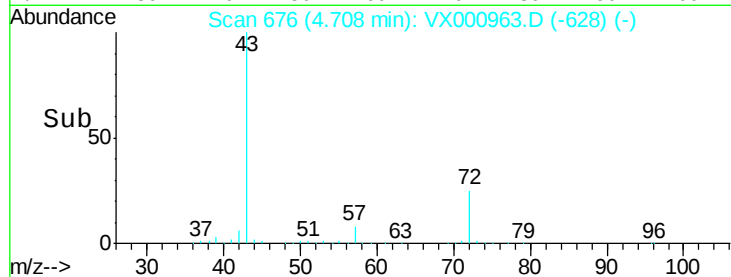


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 36.79 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000963.D

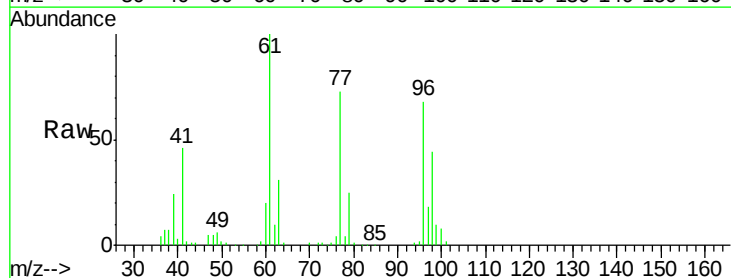
Acq: 17 Apr 2018 10:54

Tgt Ion: 77 Resp: 136669

Ion Ratio Lower Upper

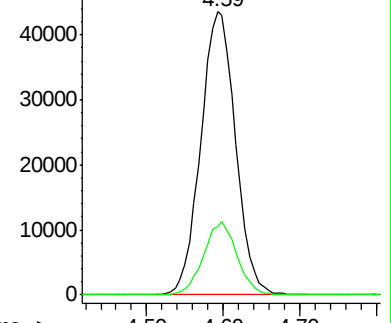
77 100

97 25.0 11.5 34.4

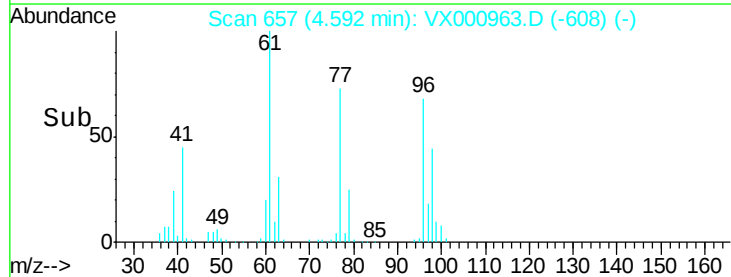


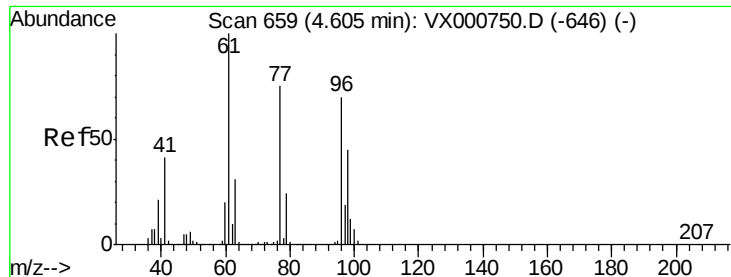
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

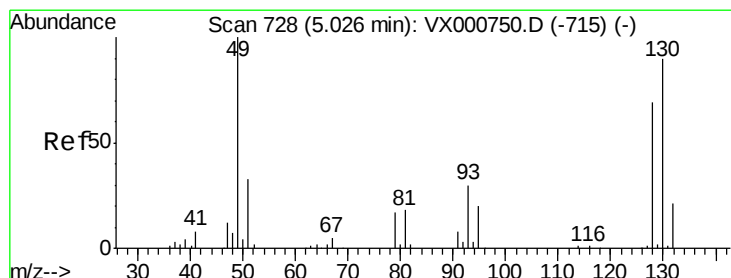
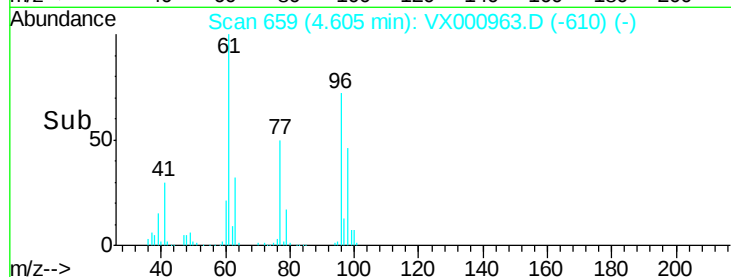
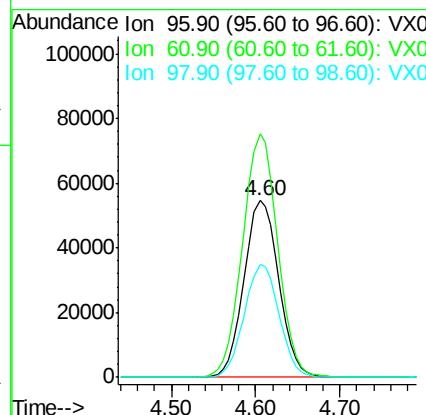
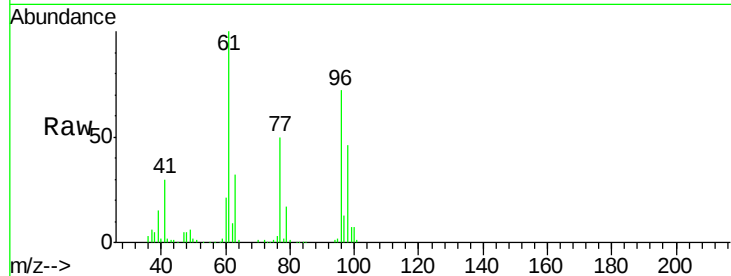
cis-1,2-Dichloroethene
Concen: 62.17 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.2	0.0	292.4	
98	64.4	0.0	130.2	

Manual Integrations
APPROVED

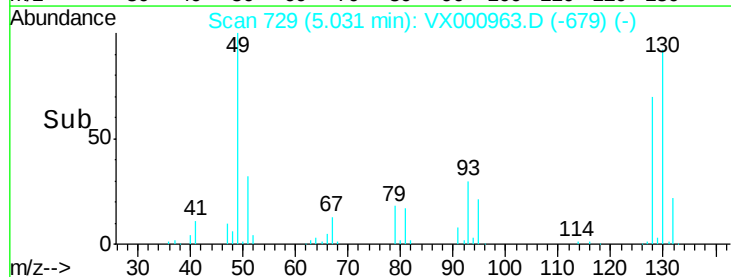
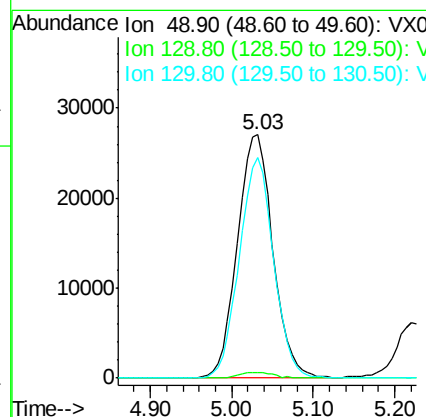
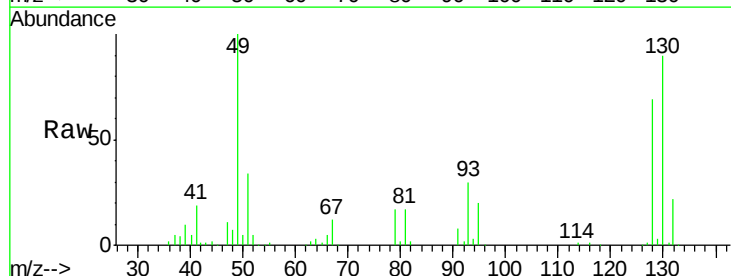
MMDadoda
4/18/2018 2:53:49 PM

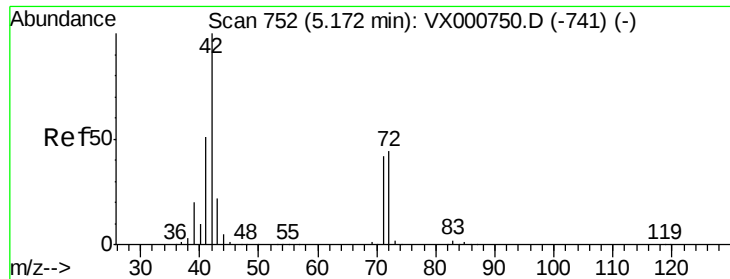


#28

Bromochloromethane
Concen: 54.25 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	87.4	72.6	109.0	





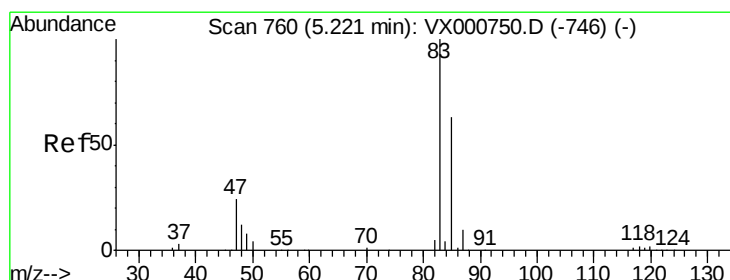
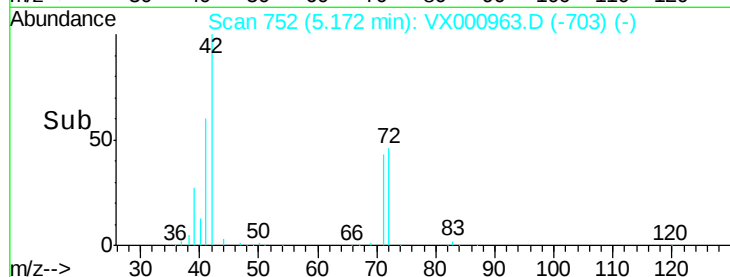
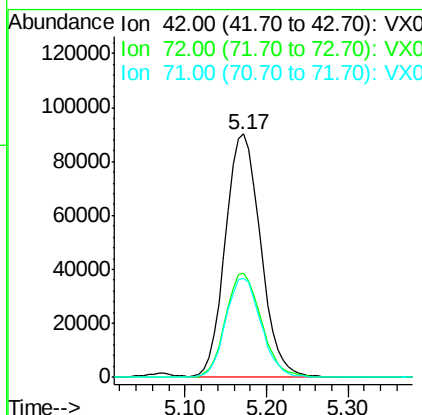
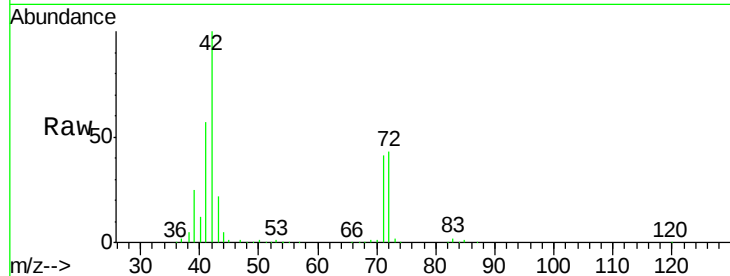
#29
Tetrahydrofuran
Concen: 276.49 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.1	52.7
71	40.8	32.8	49.2

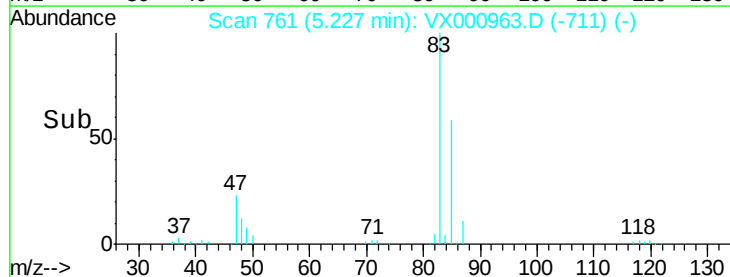
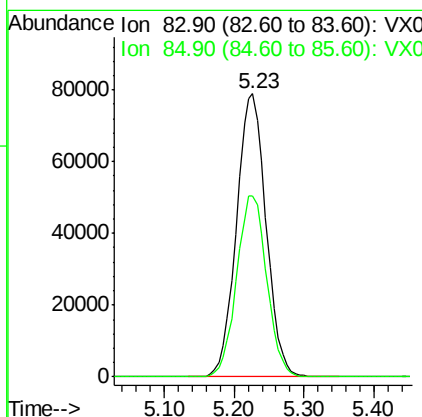
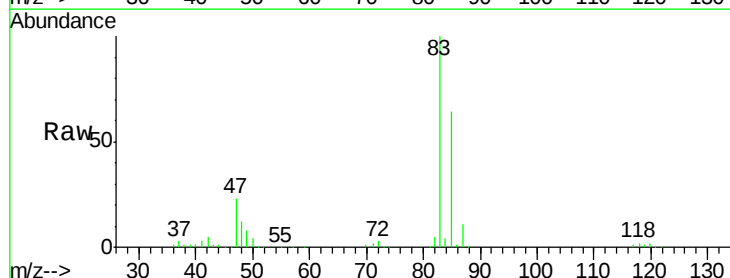
Manual Integrations
APPROVED

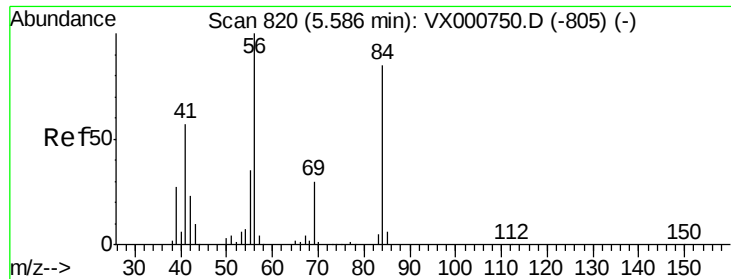
MMDadoda
4/18/2018 2:53:49 PM



#30
Chloroform
Concen: 58.33 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1





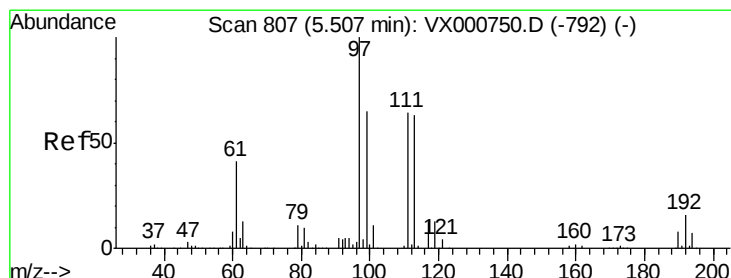
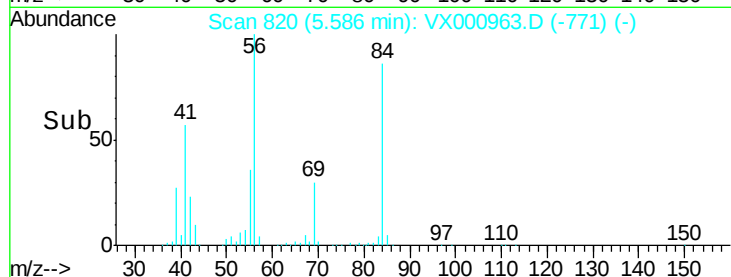
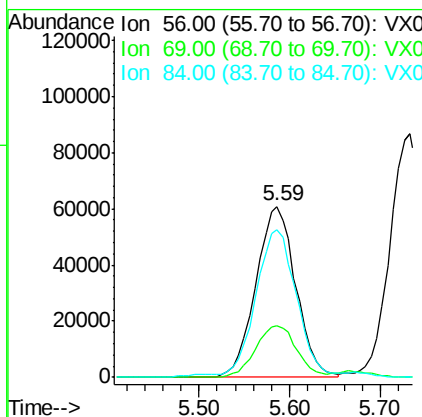
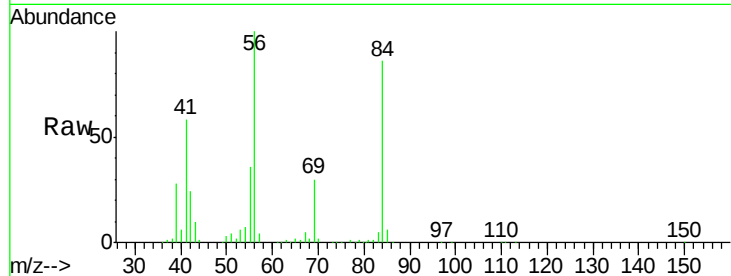
#31
Cyclohexane
Concen: 52.15 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.2	36.4
84	85.1	67.6	101.4

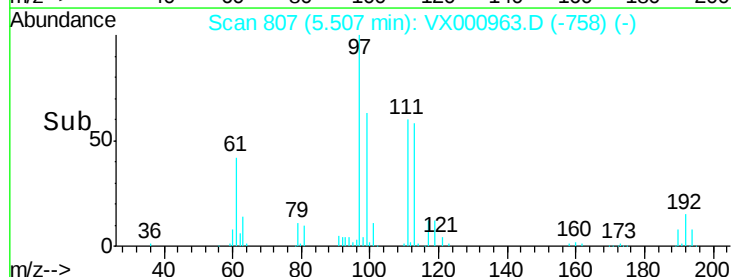
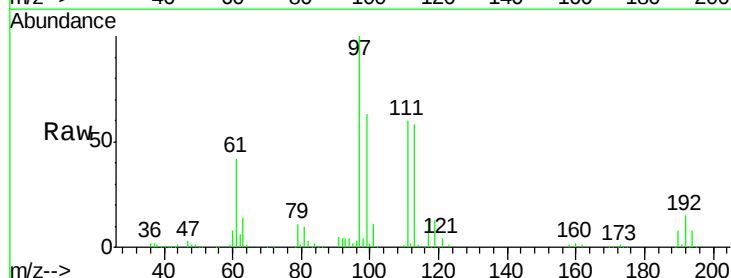
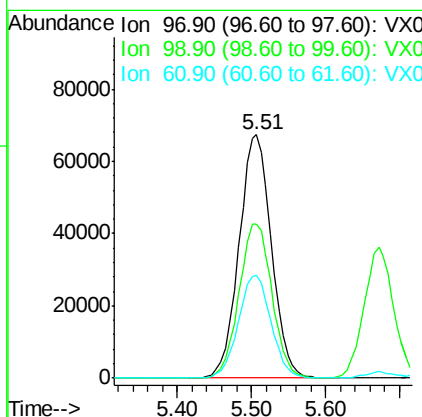
Manual Integrations
APPROVED

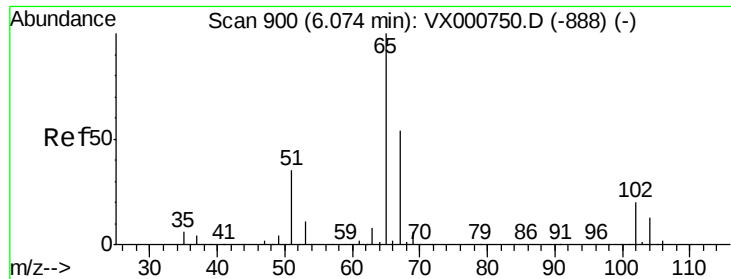
MMDadoda
4/18/2018 2:53:49 PM



#32
1,1,1-Trichloroethane
Concen: 54.53 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	42.8	33.7	50.5





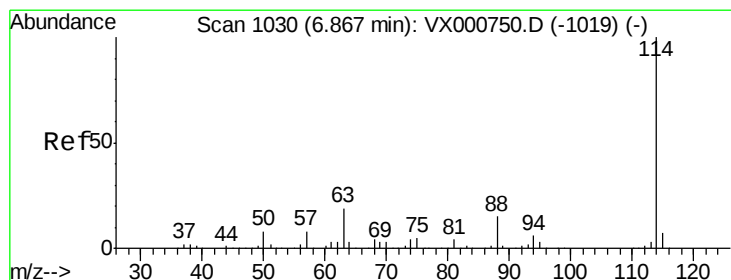
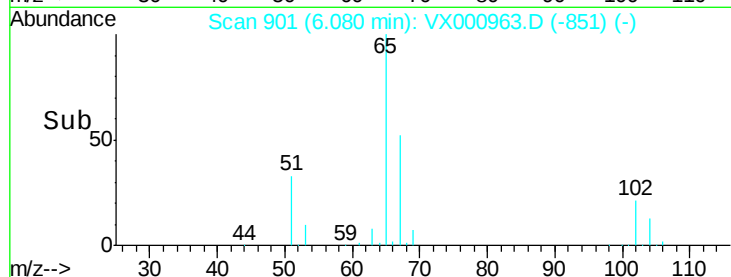
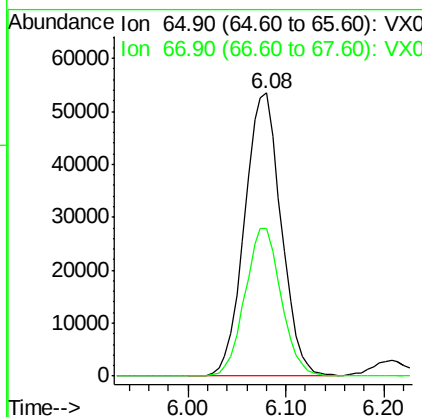
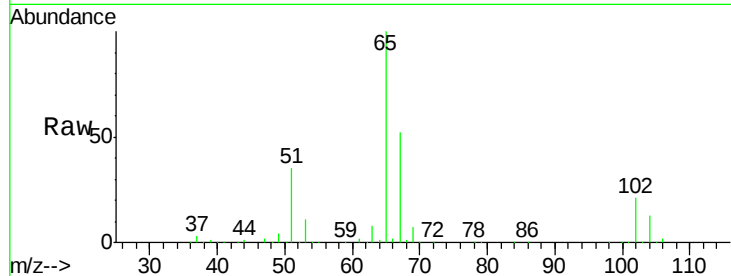
#33
 1,2-Dichloroethane-d4
 Concen: 51.43 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138683		
67	51.8	0.0	103.8	

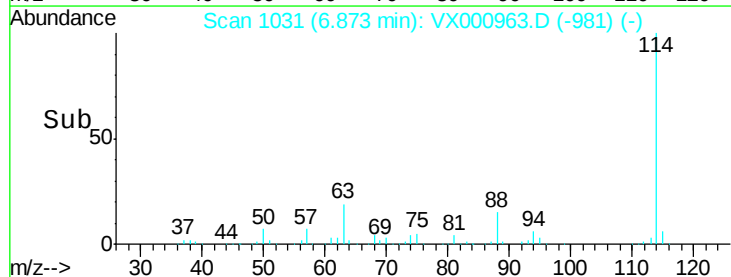
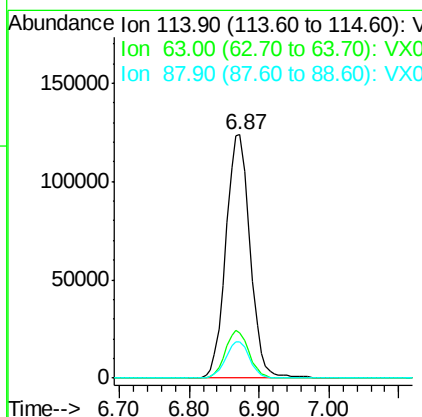
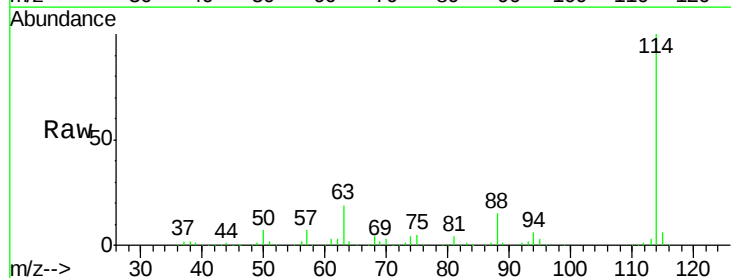
Manual Integrations
 APPROVED

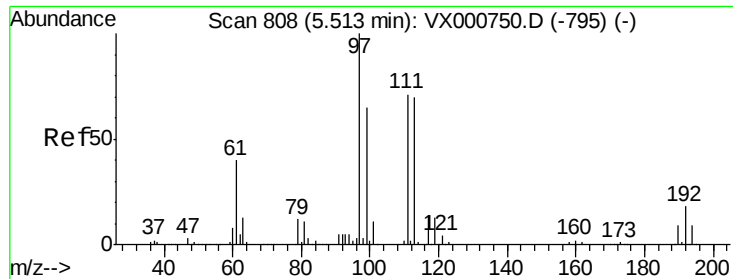
MMDadoda
 4/18/2018 2:53:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	298115		
63	18.7	0.0	38.4	
88	14.9	0.0	31.0	





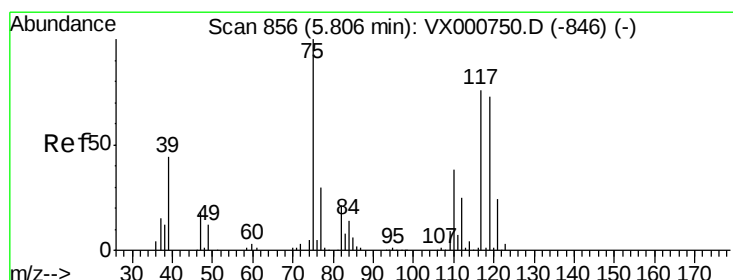
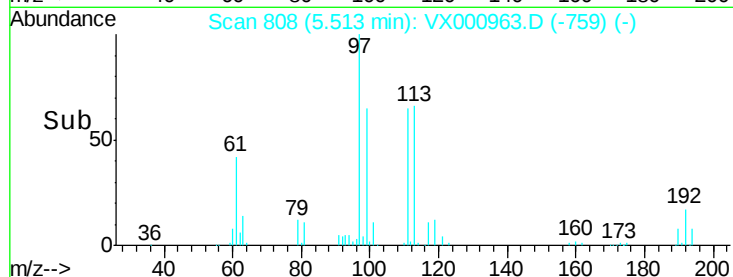
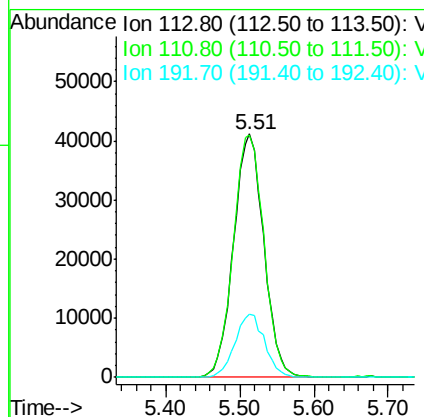
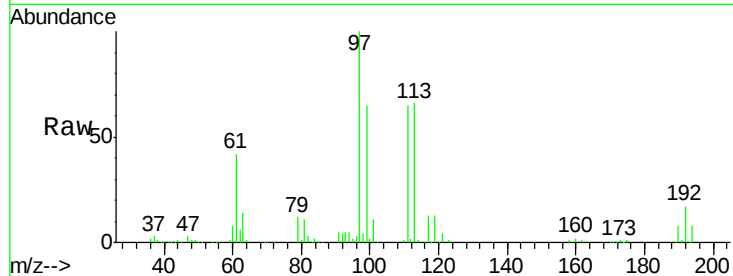
#35
 Dibromofluoromethane
 Concen: 50.97 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117063		
111	101.2	81.5	122.3	
192	25.6	20.4	30.6	

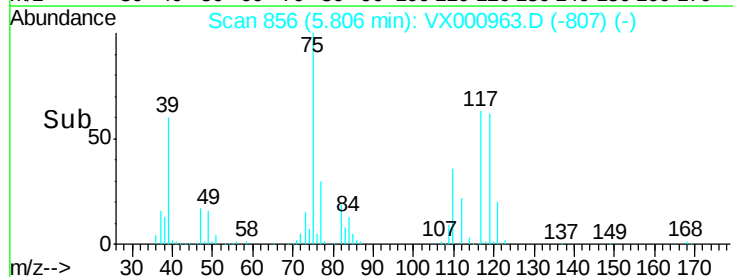
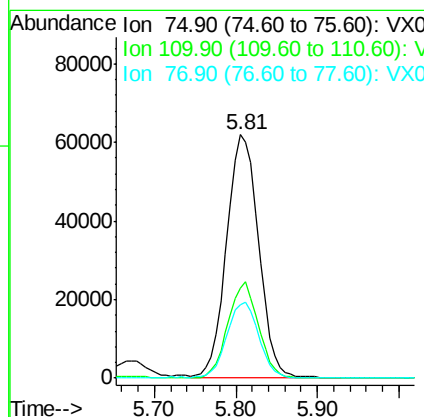
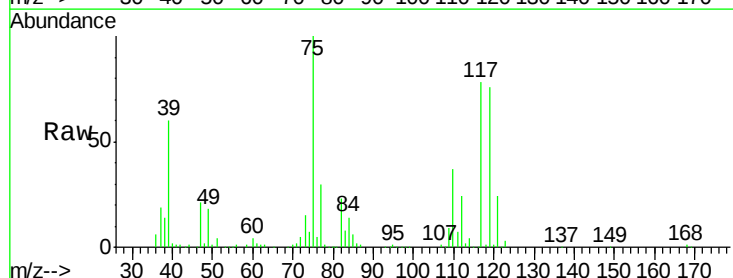
Manual Integrations
 APPROVED

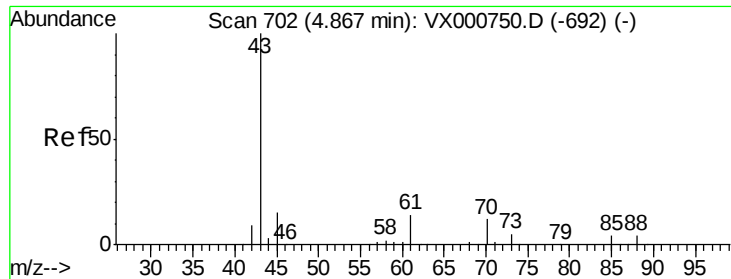
MMDadoda
 4/18/2018 2:53:49 PM



#36
 1,1-Dichloropropene
 Concen: 51.02 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	167517		
110	37.8	19.2	57.6	
77	31.3	25.4	38.2	





#37

Ethyl Acetate

Concen: 50.56 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

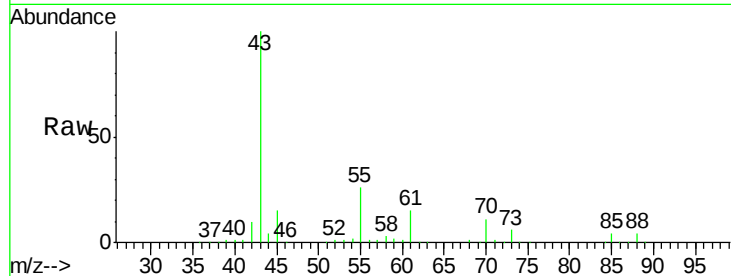
ClientSampleId :

LF012MW001-180410MSD

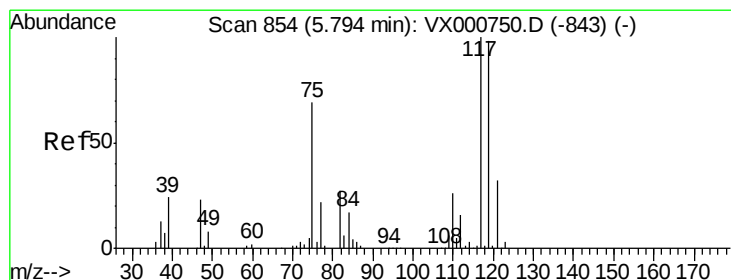
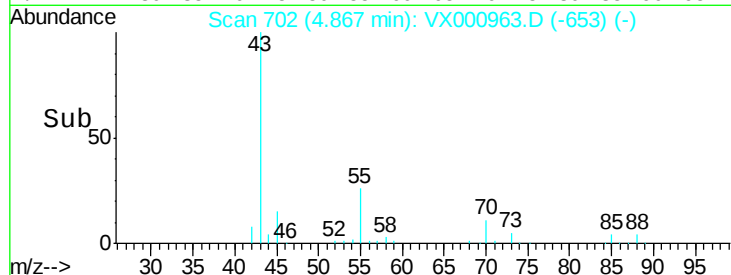
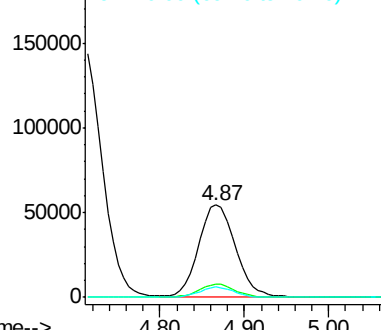
Tot Ion:	43	Resp:	162037
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VX000963.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 49.28 ug/l

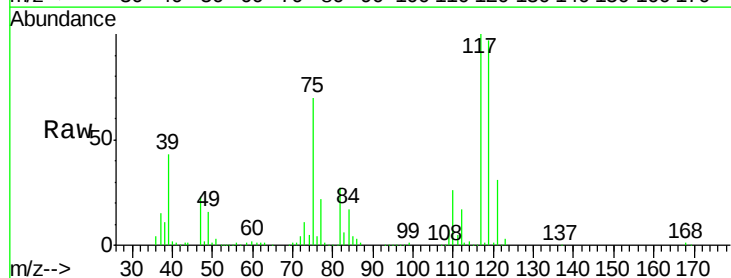
RT: 5.79 min Scan# 854

Delta R.T. -0.00 min

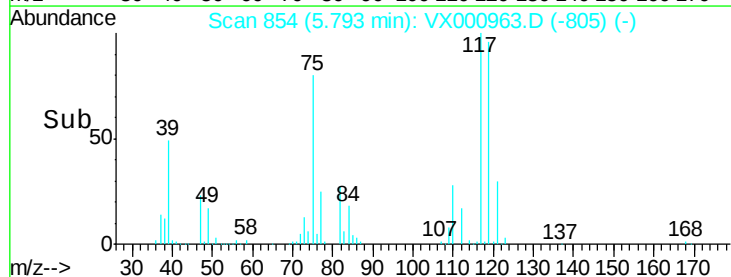
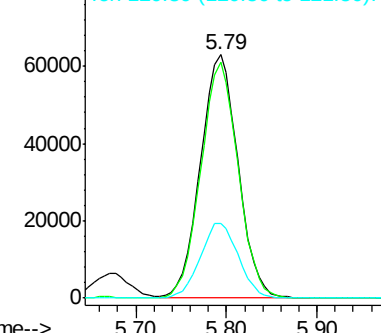
Lab File: VX000963.D

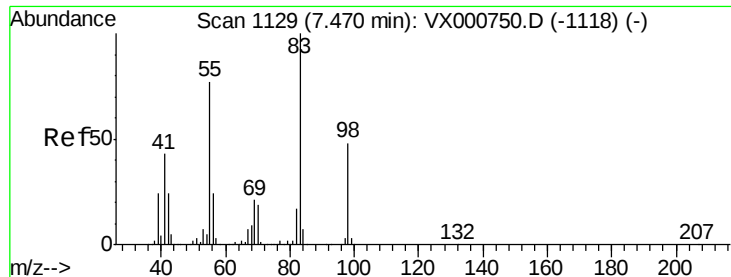
Acq: 17 Apr 2018 10:54

Tgt Ion:	117	Resp:	181081
Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.4	117.6
121	30.6	25.4	38.0



Abundance Ion 116.80 (116.50 to 117.50): VX000963.D (-805) (-)





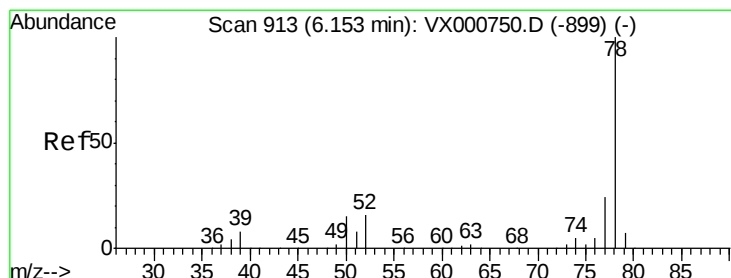
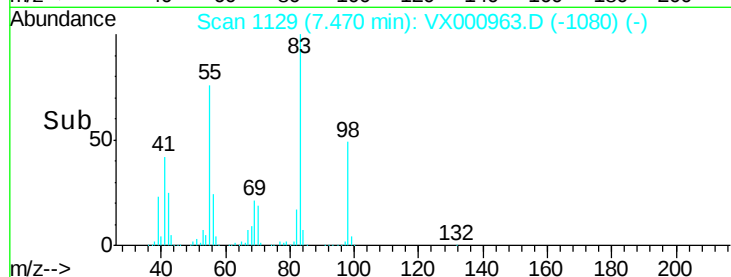
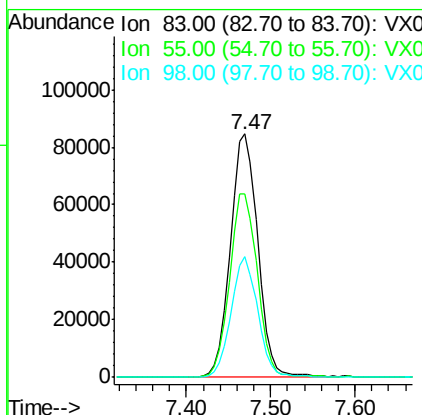
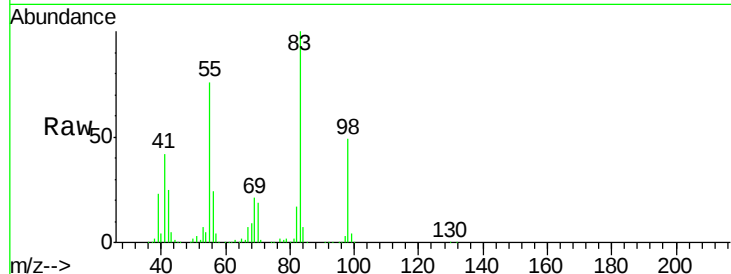
#39
Methvlcvclohexane
Concen: 47.31 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	186535		
55	75.5		61.5	92.3
98	49.4		38.1	57.1

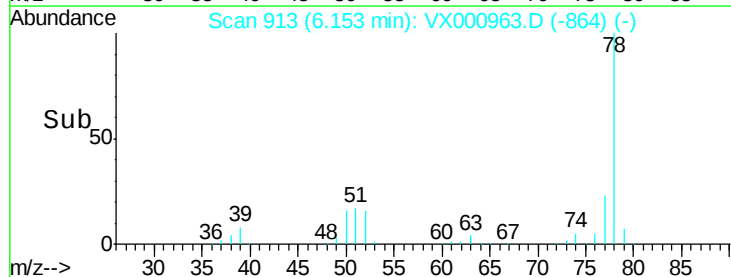
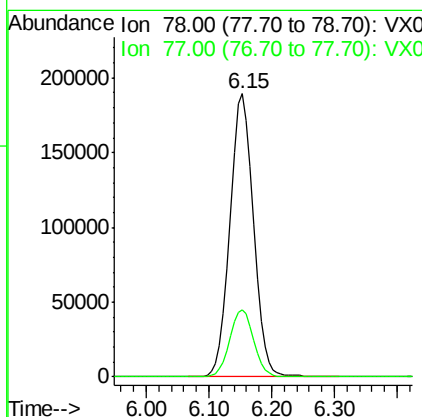
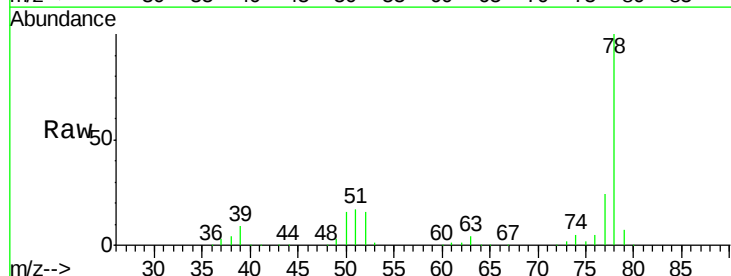
Manual Integrations
APPROVED

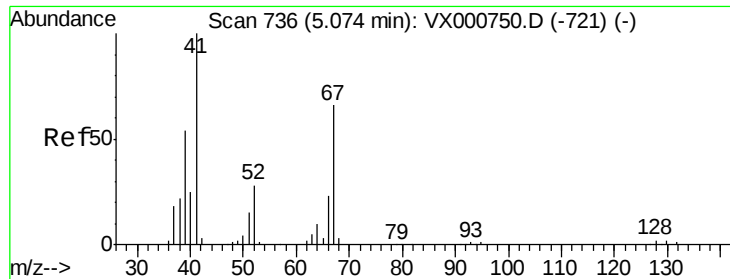
MMDadoda
4/18/2018 2:53:49 PM



#40
Benzene
Concen: 54.16 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	494045		
77	23.7		19.0	28.6





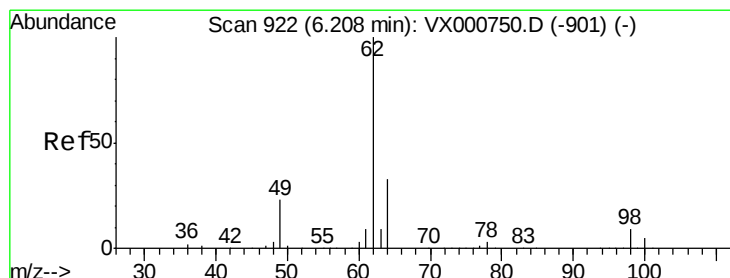
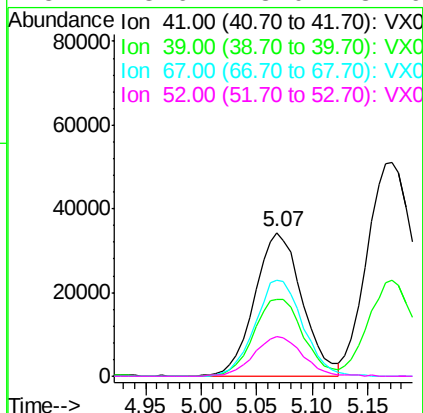
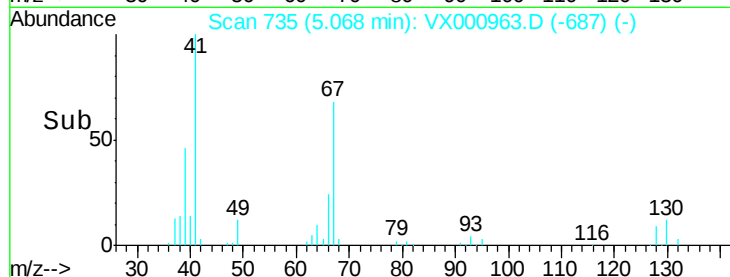
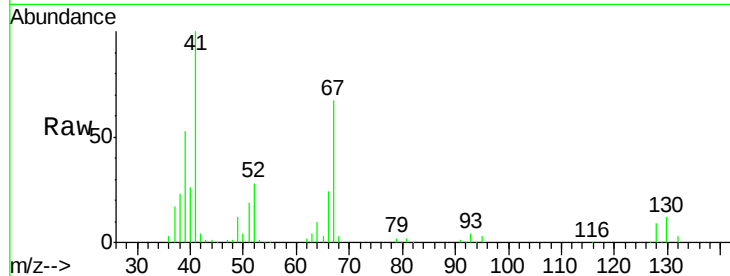
#41
Methacrylonitrile
Concen: 54.74 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	44.9	67.3	
67	68.2	54.7	82.1	
52	28.6	23.0	34.6	

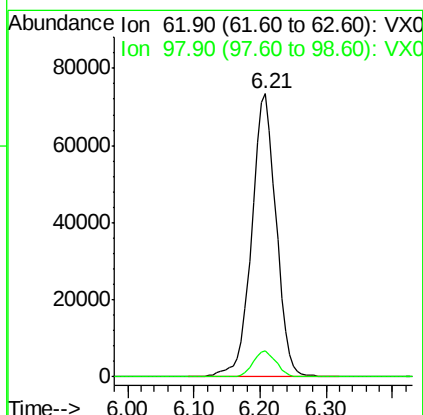
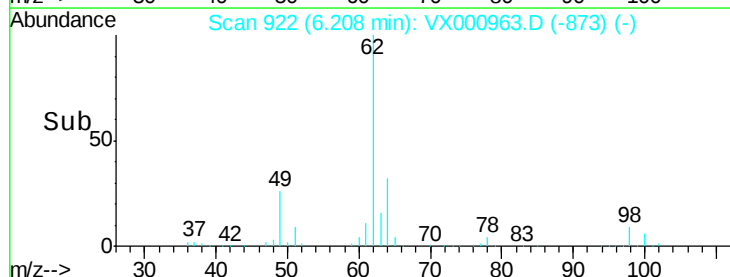
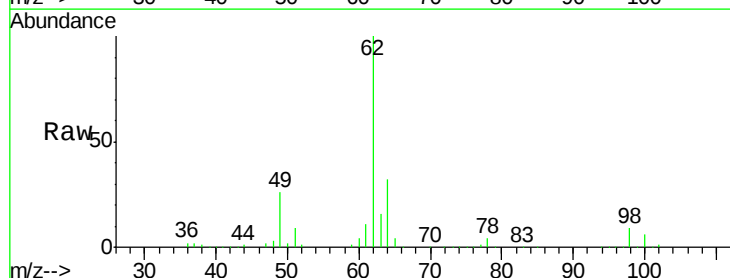
Manual Integrations
APPROVED

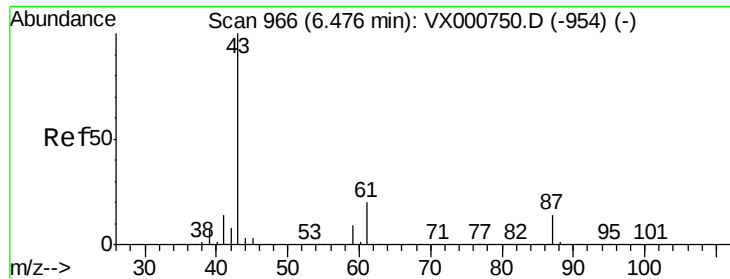
MMDadoda
4/18/2018 2:53:49 PM



#42
1,2-Dichloroethane
Concen: 55.59 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.6	





#43

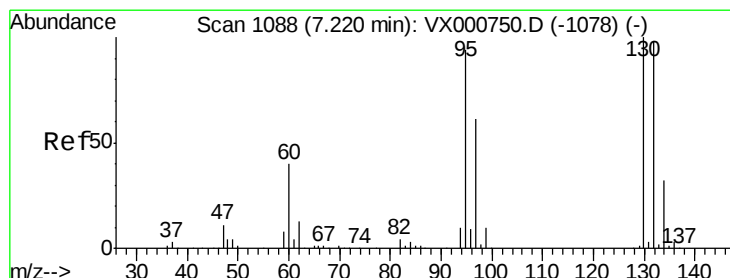
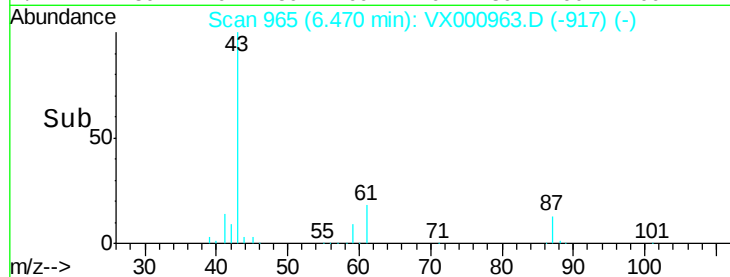
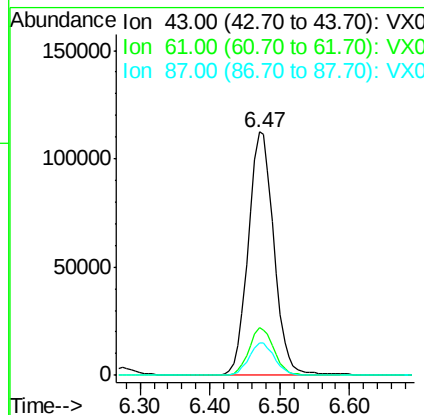
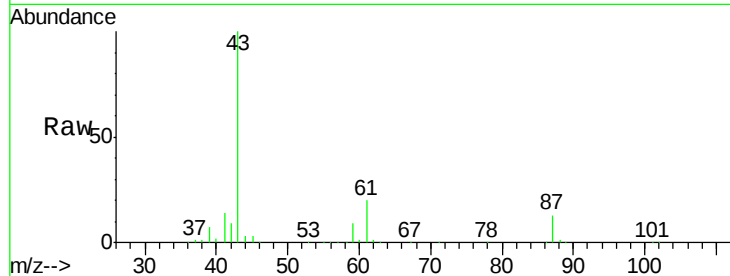
Isopropyl Acetate
 Concen: 51.77 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.3	10.7	16.1

Manual Integrations
 APPROVED

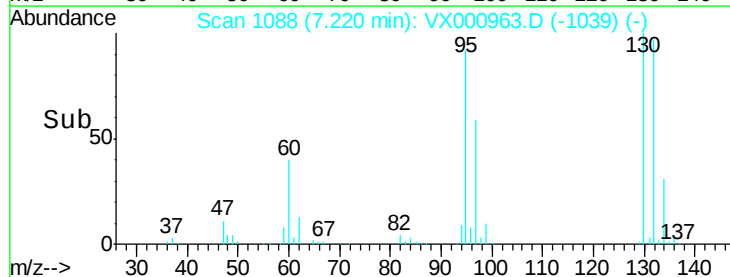
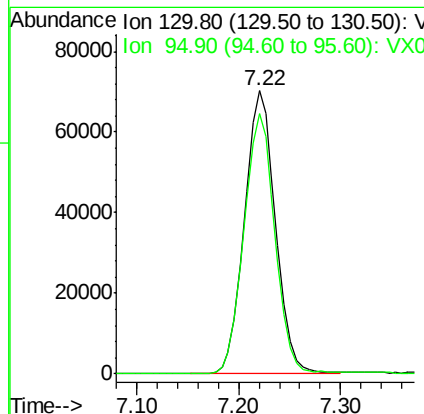
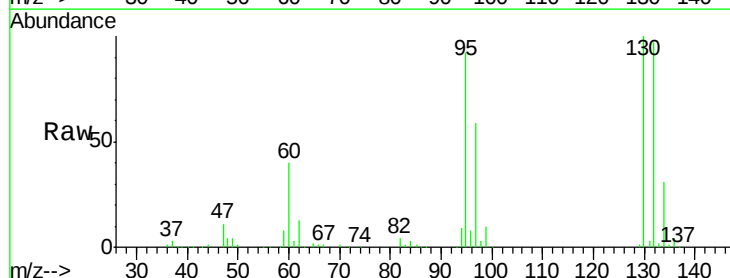
MMDadoda
 4/18/2018 2:53:49 PM

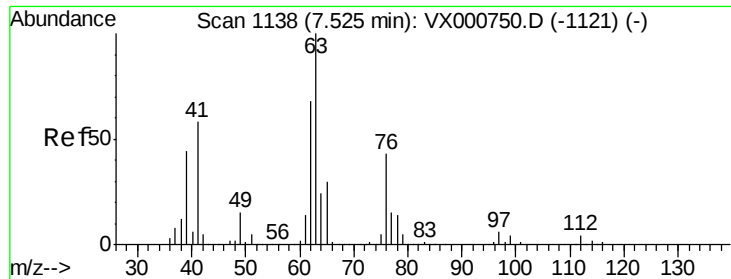


#44

Trichloroethene
 Concen: 52.32 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	187.0





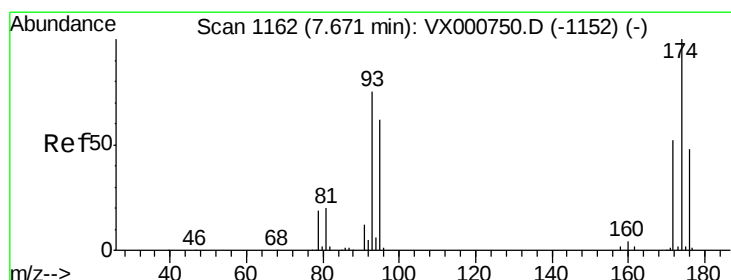
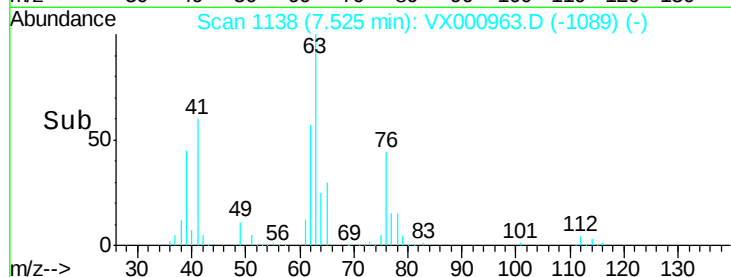
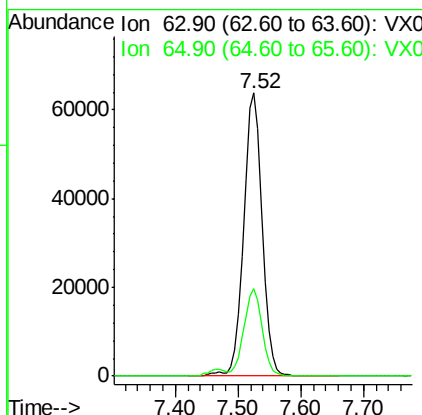
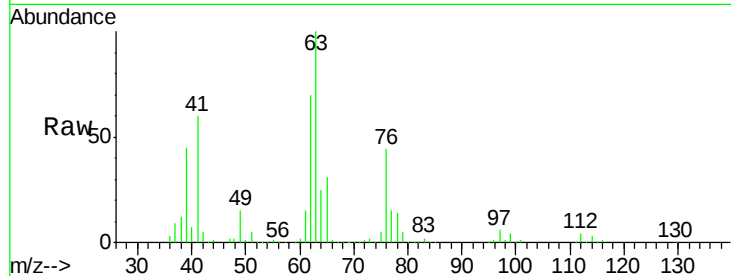
#45
 1,2-Dichloropropane
 Concen: 56.21 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion: 63 Resp: 130587
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.7 35.5

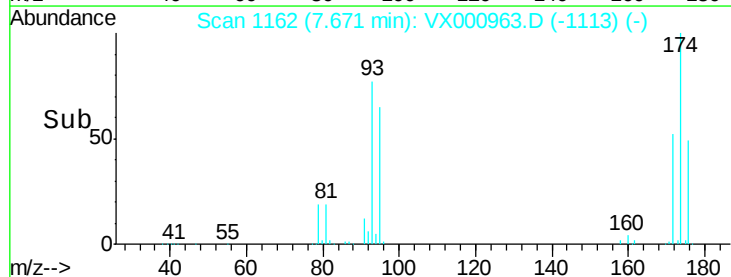
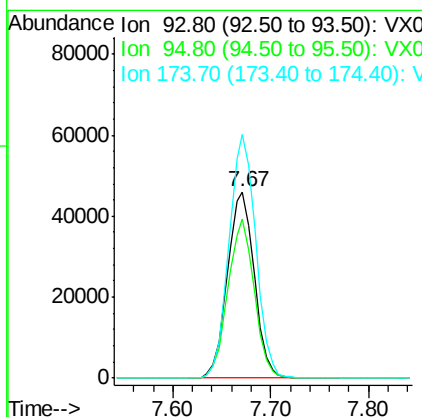
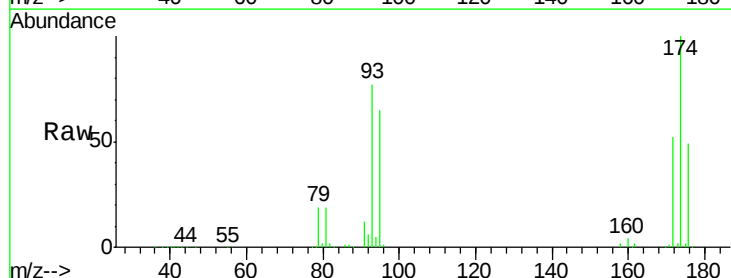
Manual Integrations
 APPROVED

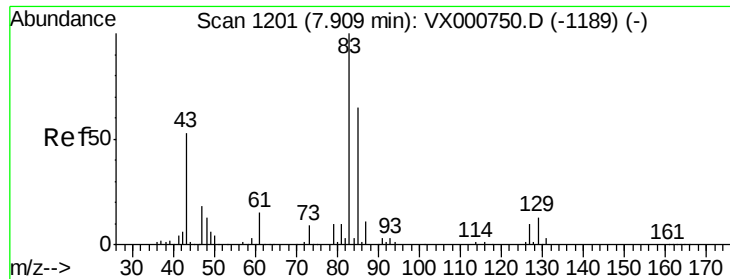
MMDadoda
 4/18/2018 2:53:49 PM



#46
 Dibromomethane
 Concen: 54.03 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion: 93 Resp: 87500
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 130.2 104.5 156.7





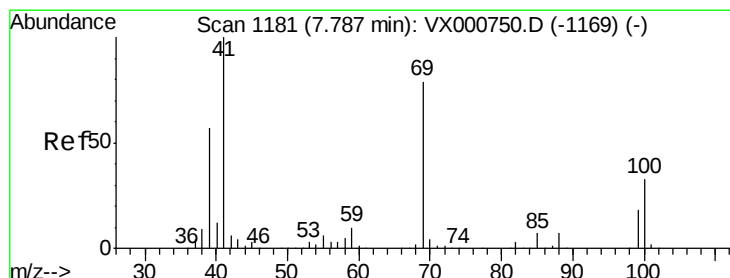
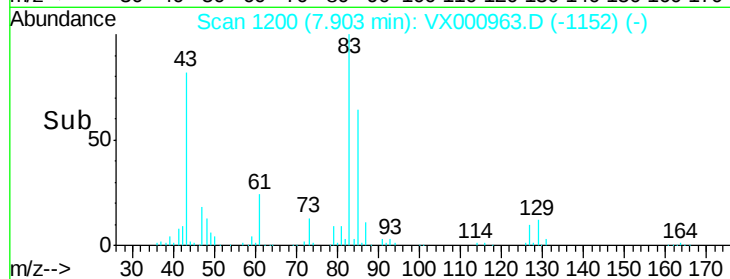
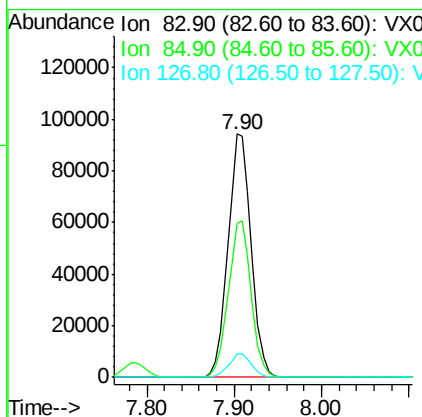
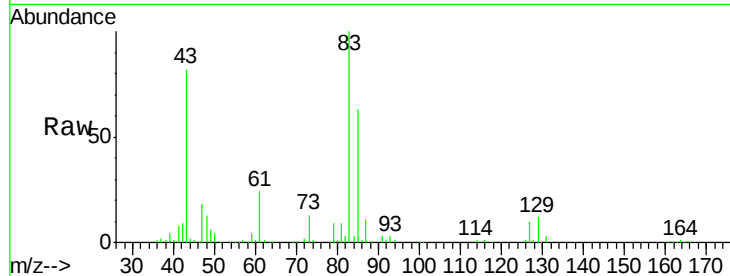
#47
Bromodichloromethane
Concen: 52.90 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	83	Resp	172901
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.2	78.4
127	9.6	7.8	11.8

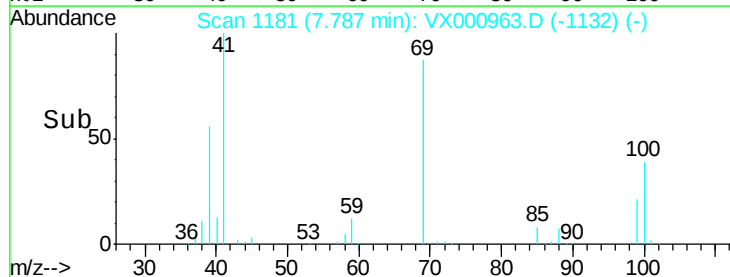
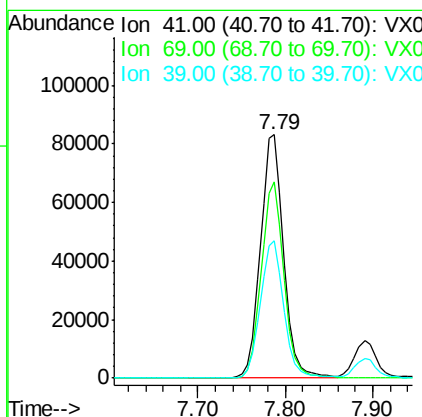
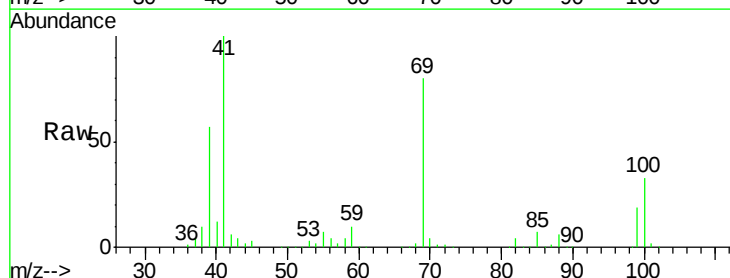
Manual Integrations
APPROVED

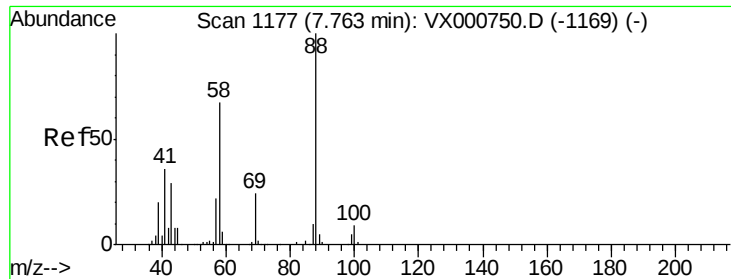
MMDadoda
4/18/2018 2:53:49 PM



#48
Methyl methacrylate
Concen: 53.71 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	41	Resp	152992
Ion Ratio	Lower	Upper	
41	100		
69	79.6	63.9	95.9
39	56.9	45.9	68.9





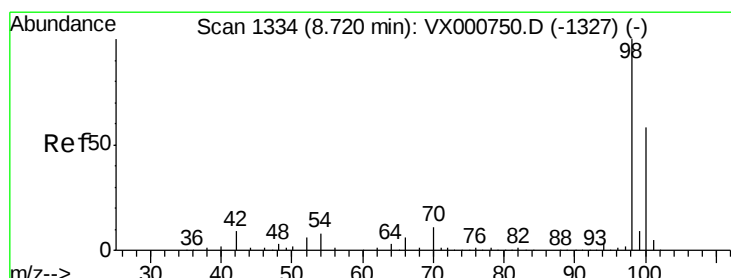
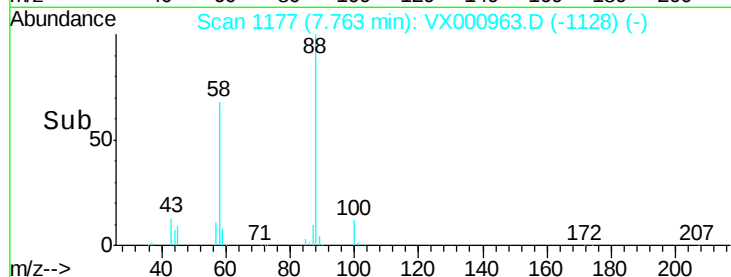
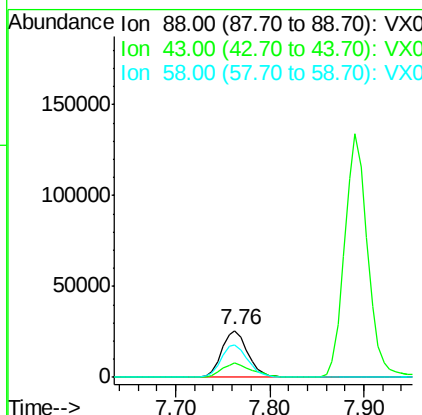
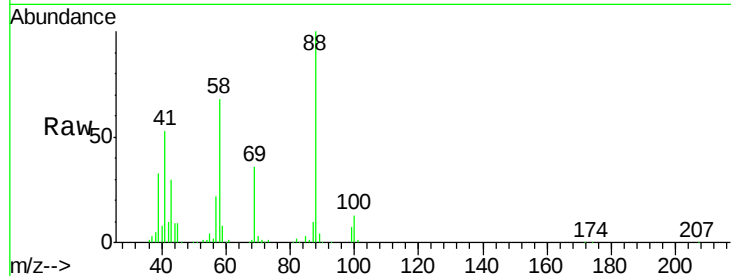
#49
1,4-Dioxane
Concen: 863.56 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	25.8	38.8
58	70.8	54.4	81.6

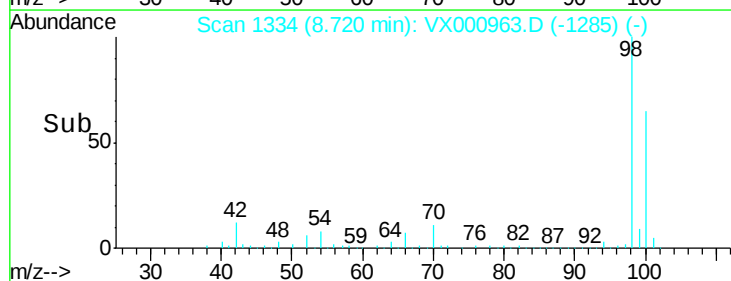
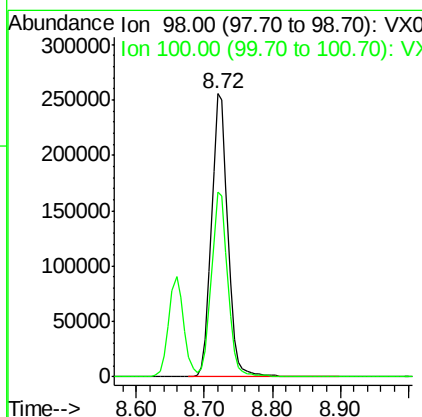
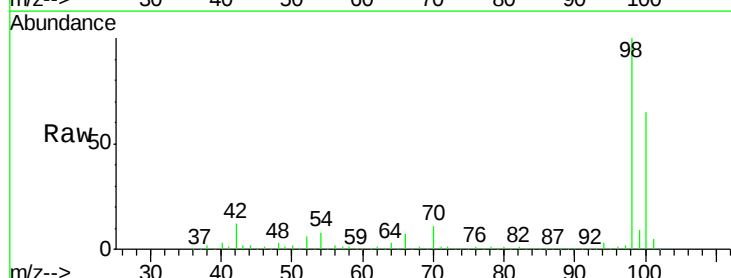
Manual Integrations
APPROVED

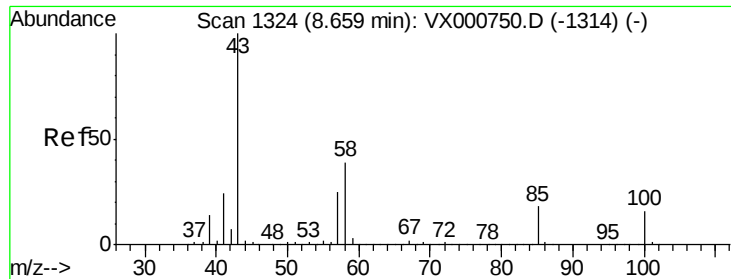
MMDadoda
4/18/2018 2:53:49 PM



#50
Toluene-d8
Concen: 49.87 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 277.64 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 43 Resp: 896183

Ion Ratio Lower Upper

43 100

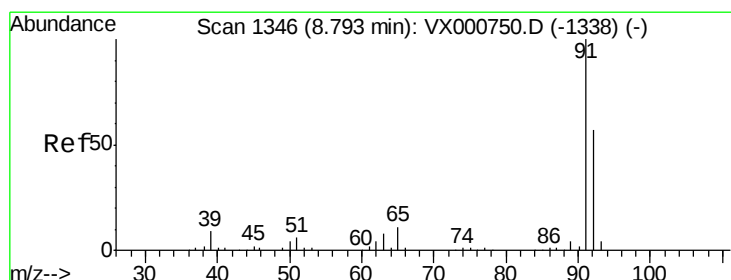
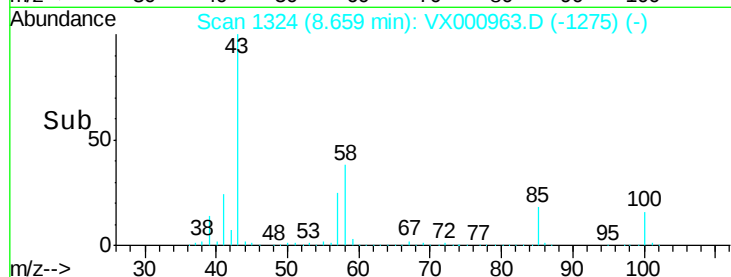
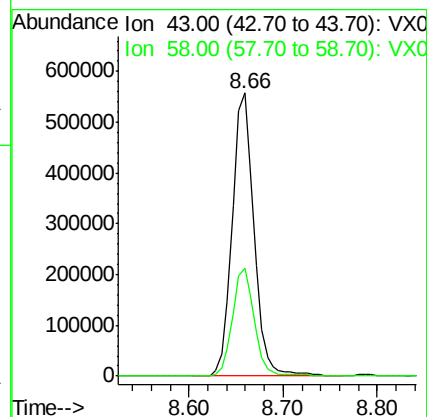
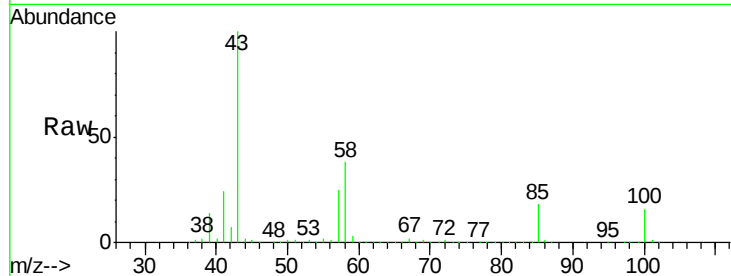
58 38.7 30.3 45.5

Manual Integrations

APPROVED

MMDadoda

4/18/2018 2:53:49 PM



#52

Toluene

Concen: 54.20 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000963.D

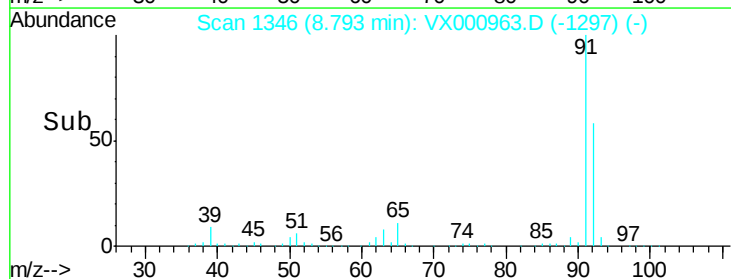
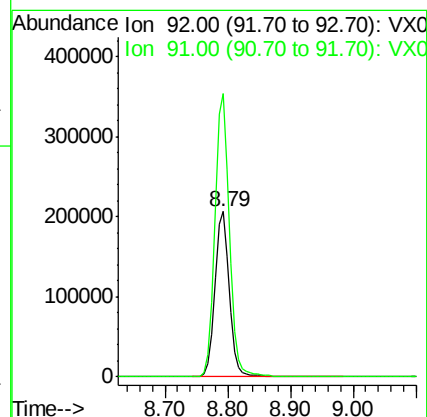
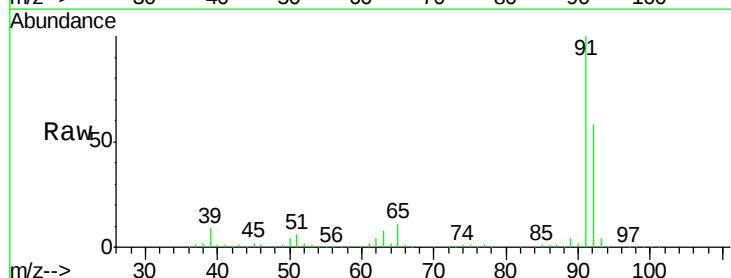
Acq: 17 Apr 2018 10:54

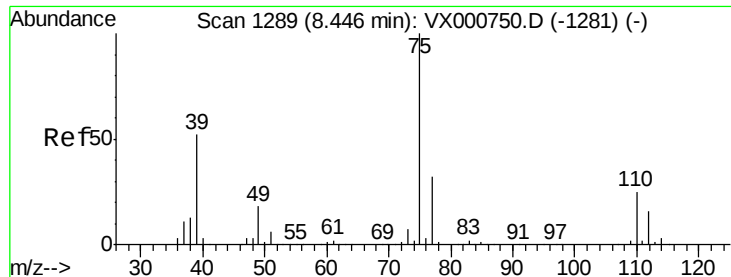
Tgt Ion: 92 Resp: 328051

Ion Ratio Lower Upper

92 100

91 172.6 139.0 208.4





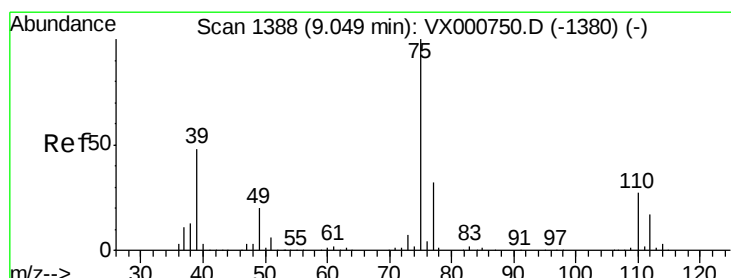
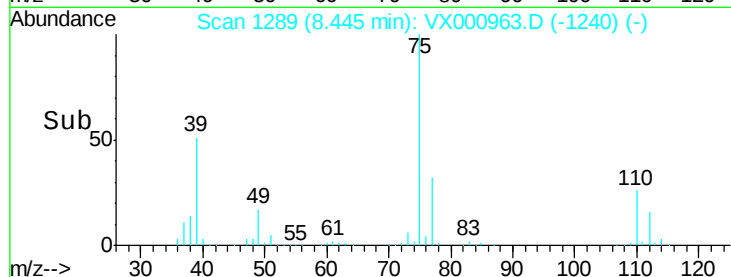
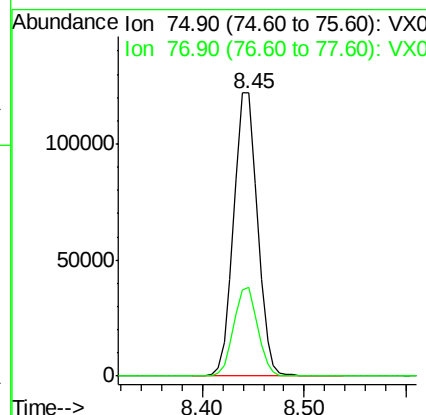
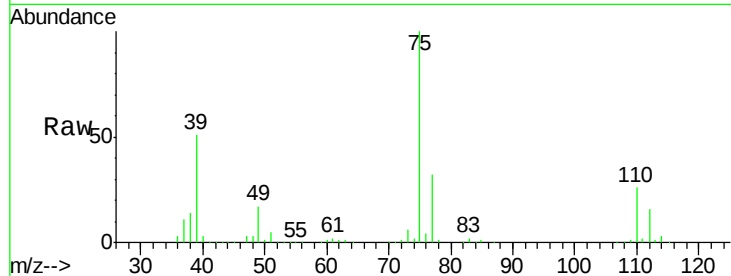
#53
t-1,3-Dichloropropene
Concen: 50.20 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion: 75 Resp: 196825
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

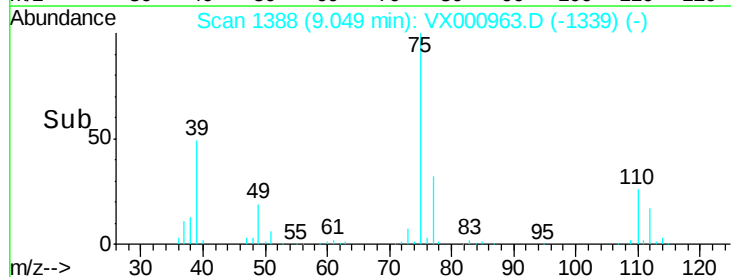
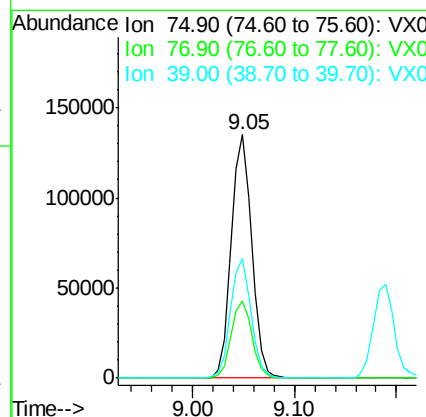
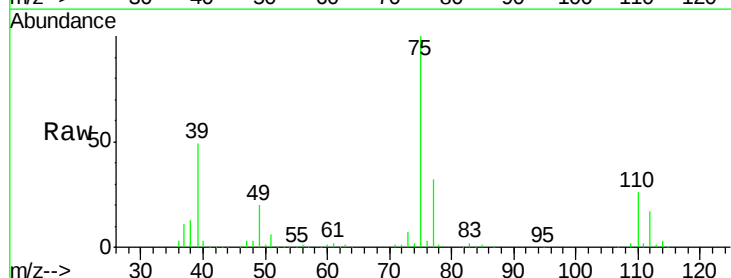
Manual Integrations
APPROVED

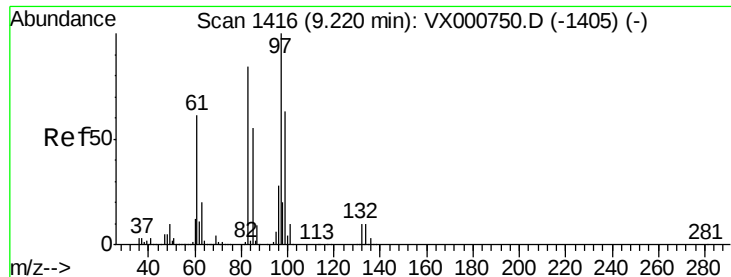
MMDadoda
4/18/2018 2:53:49 PM



#54
cis-1,3-Dichloropropene
Concen: 49.04 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion: 75 Resp: 187234
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 48.8 38.6 58.0





#55

1,1,2-Trichloroethane

Concen: 56.12 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

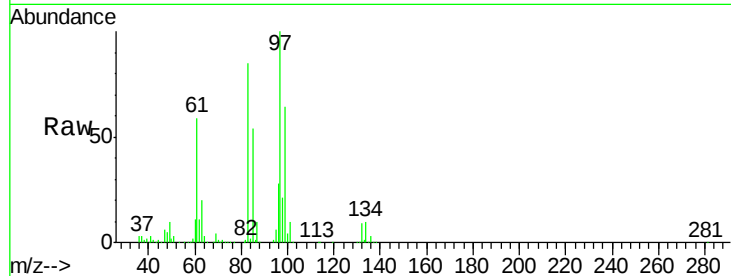
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	97	Resp:	134839
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.6	101.4
85	53.8	43.8	65.6
99	64.3	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM

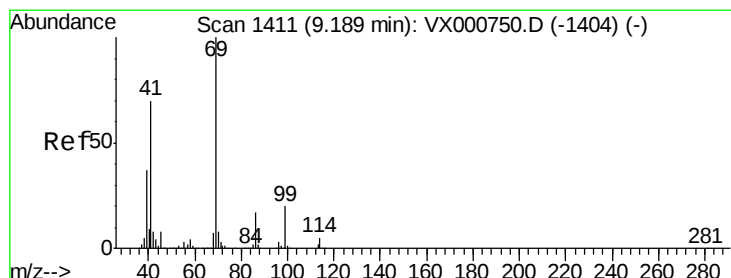
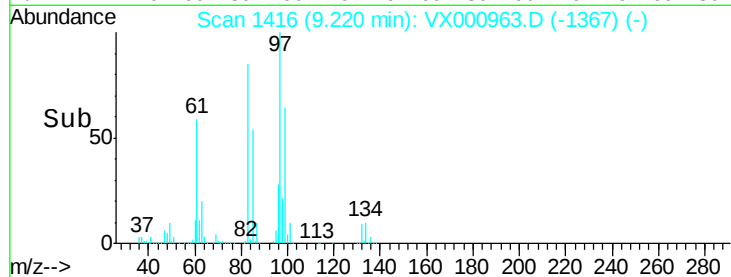
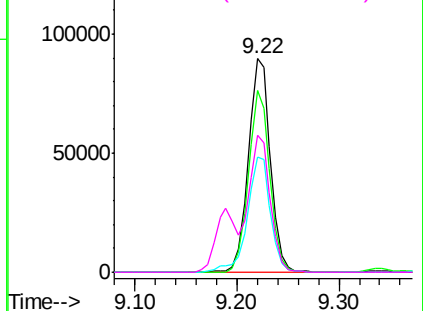


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.40 ug/l

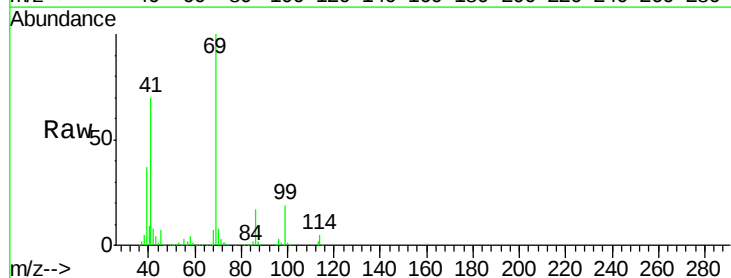
RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

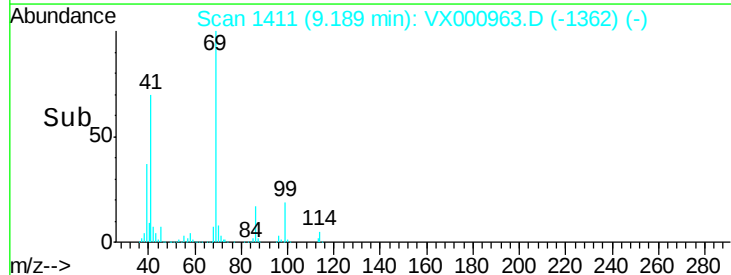
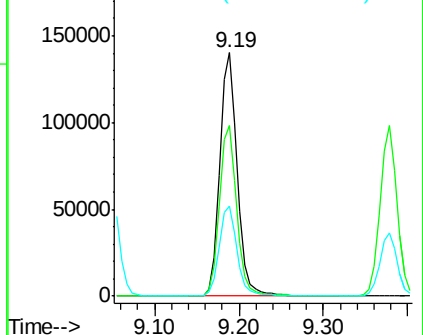
Tgt Ion:	69	Resp:	201643
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.6	83.4
39	37.5	30.3	45.5

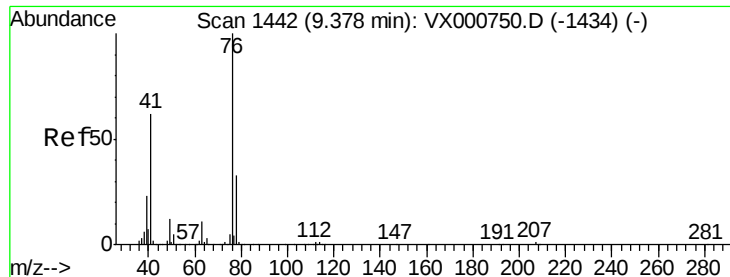


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 57.58 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 76 Resp: 219942

Ion Ratio Lower Upper

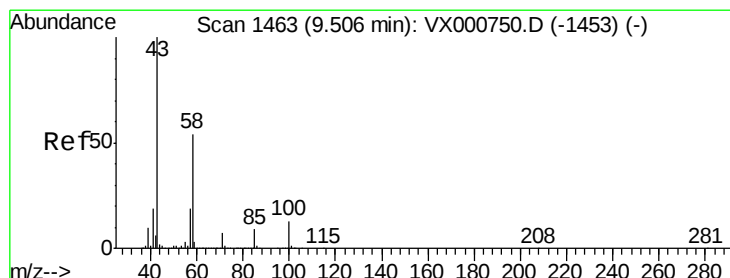
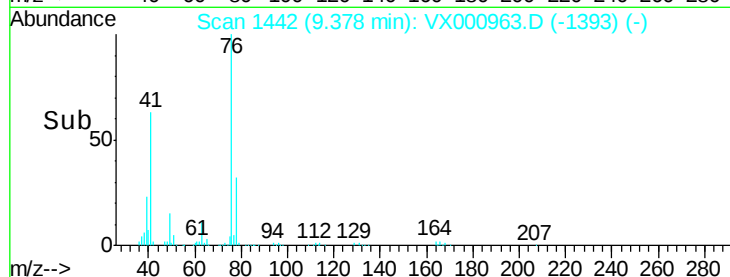
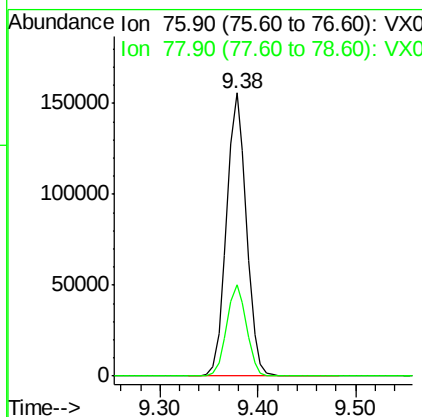
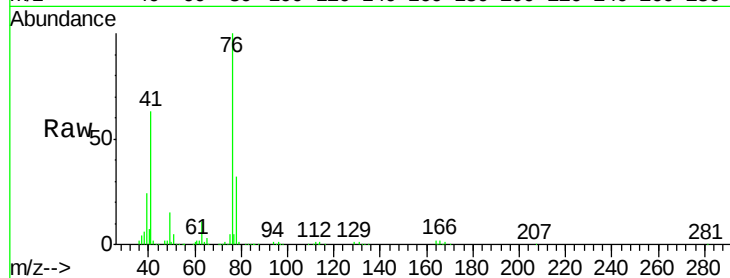
76 100

78 32.2 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

4/18/2018 2:53:49 PM



#59

2-Hexanone

Concen: 268.41 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VX000963.D

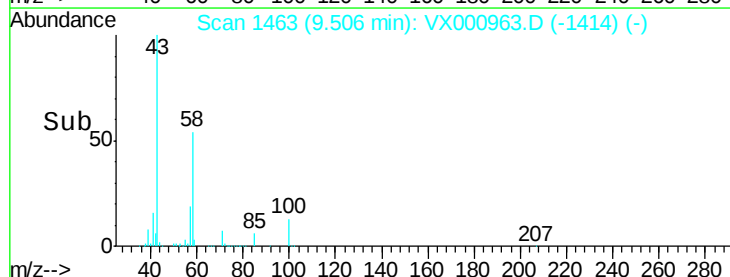
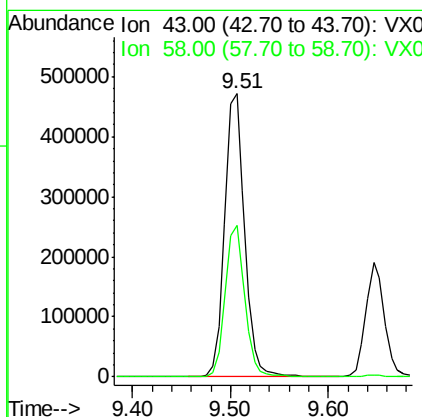
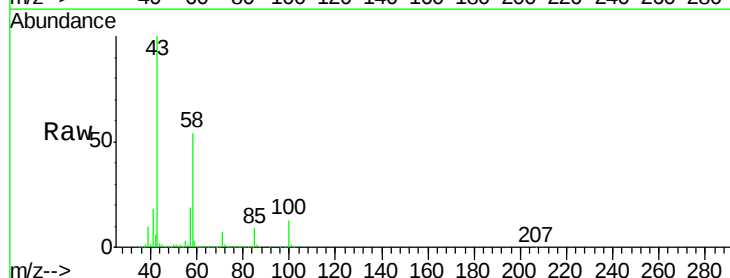
Acq: 17 Apr 2018 10:54

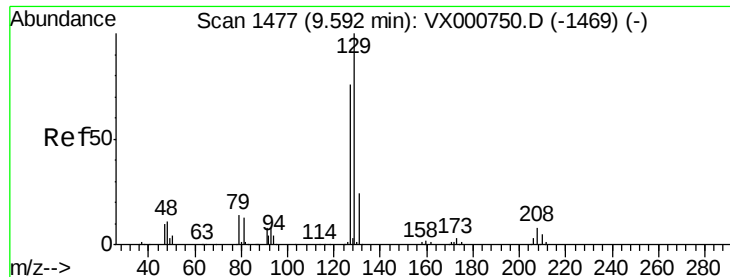
Tgt Ion: 43 Resp: 668855

Ion Ratio Lower Upper

43 100

58 52.9 26.5 79.5





#60

Dibromochloromethane

Concen: 51.19 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion:129 Resp: 147165

Ion Ratio Lower Upper

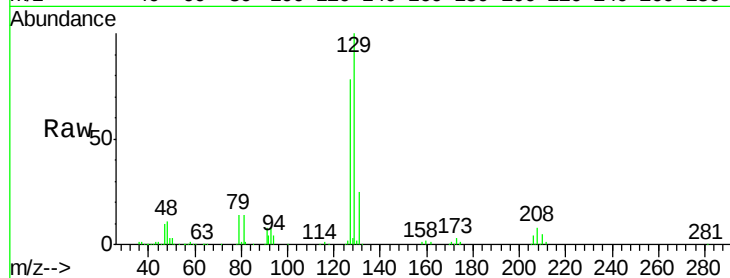
129 100

127 76.7 38.4 115.1

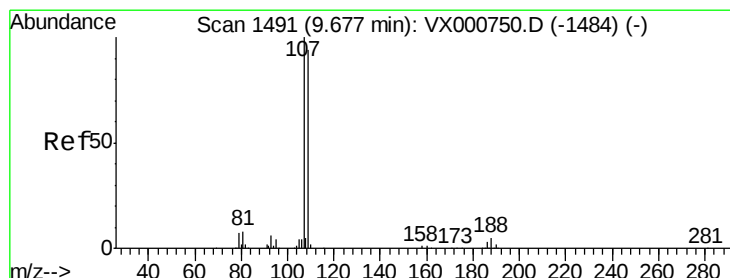
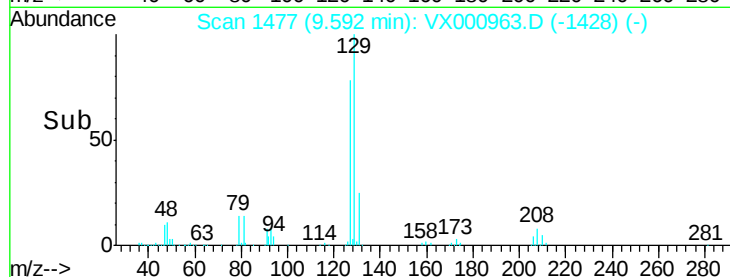
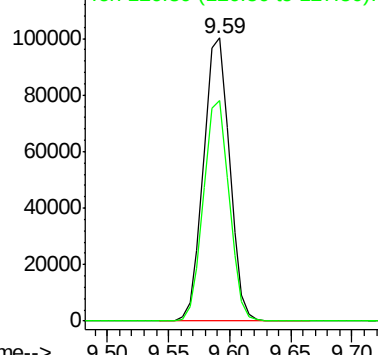
Manual Integrations
APPROVED

MMDadoda

4/18/2018 2:53:49 PM



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 55.09 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000963.D

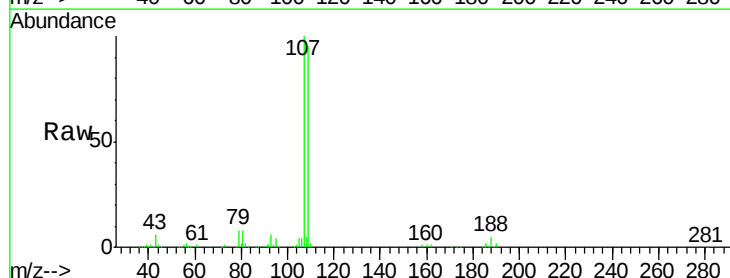
Acq: 17 Apr 2018 10:54

Tgt Ion:107 Resp: 140432

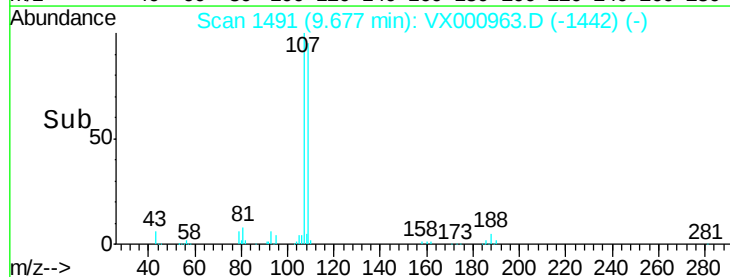
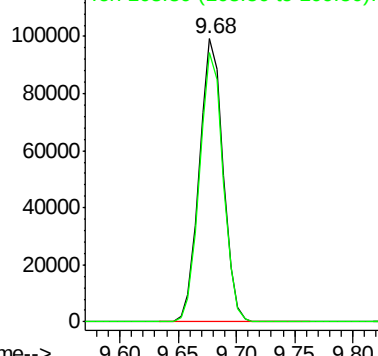
Ion Ratio Lower Upper

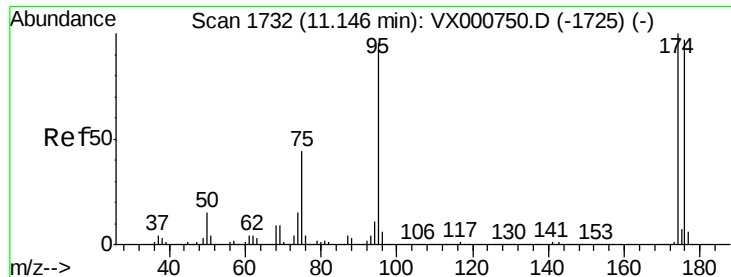
107 100

109 94.9 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

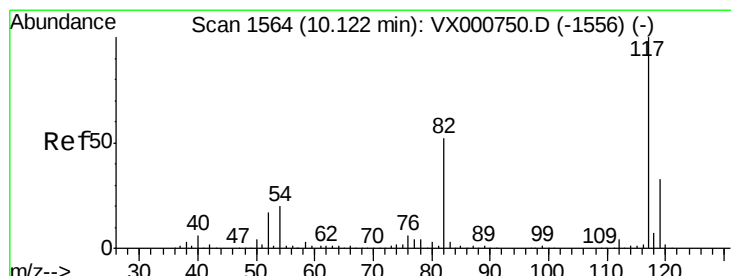
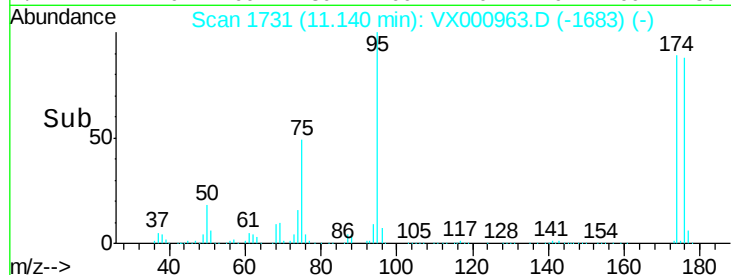
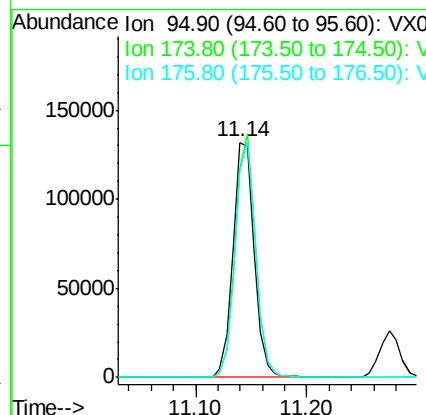
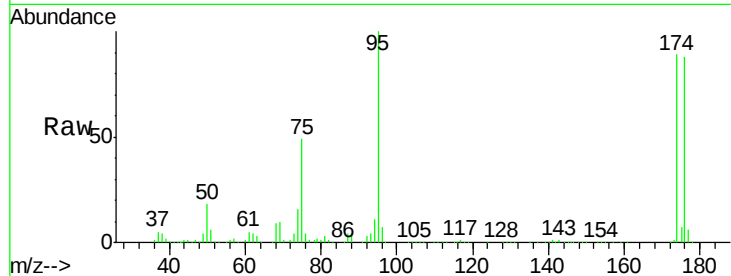
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	95	Resp:	173902
Ion Ratio	Lower	Upper	
95	100		
174	99.0	0.0	198.4
176	96.9	0.0	194.4

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

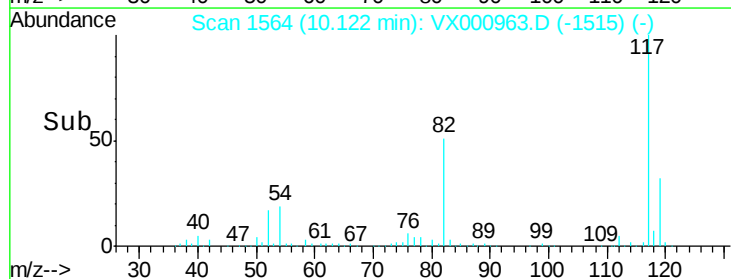
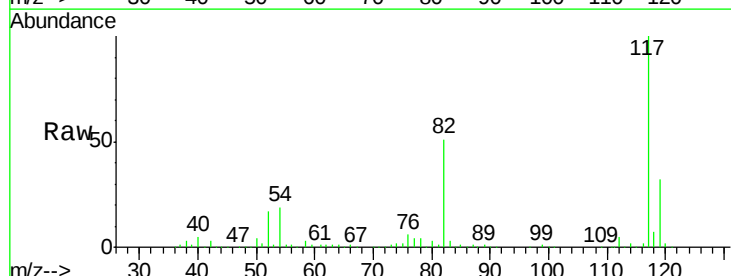
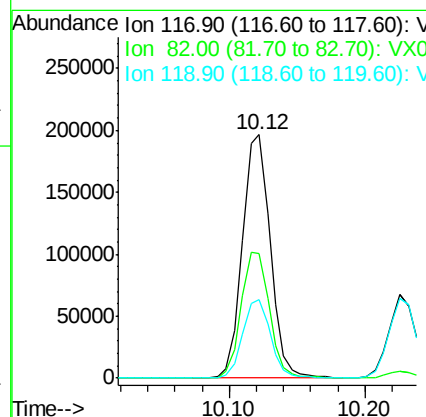
RT: 10.12 min Scan# 1564

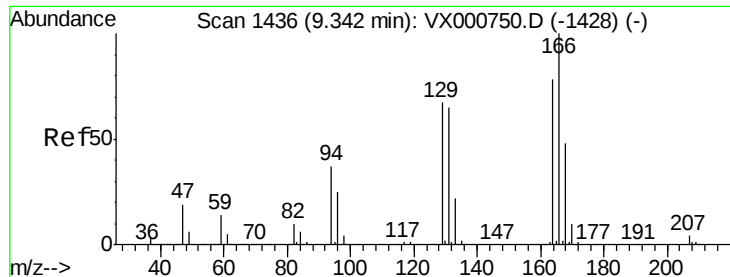
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	117	Resp:	282125
Ion Ratio	Lower	Upper	
117	100		
82	51.0	41.9	62.9
119	32.4	26.0	39.0





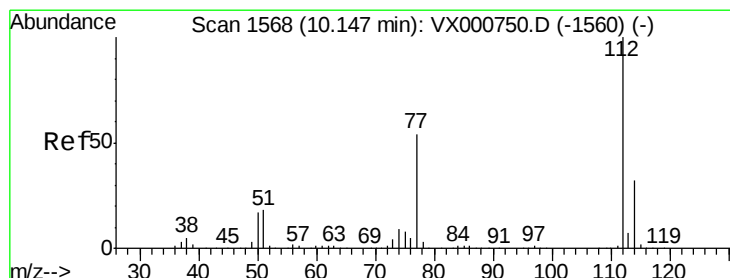
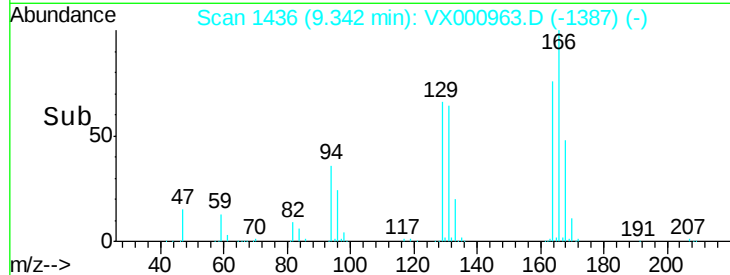
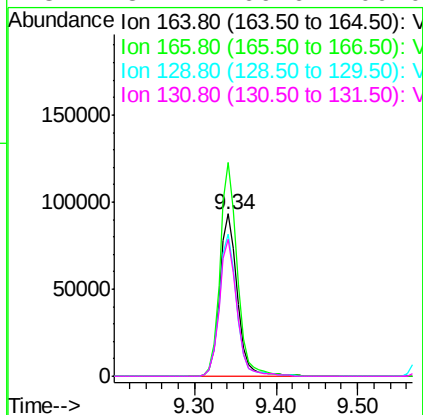
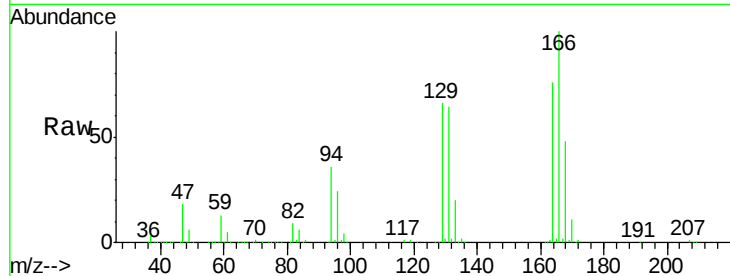
#64
Tetrachloroethene
Concen: 51.26 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.8	102.8	154.2
129	87.5	68.5	102.7
131	84.2	66.6	100.0

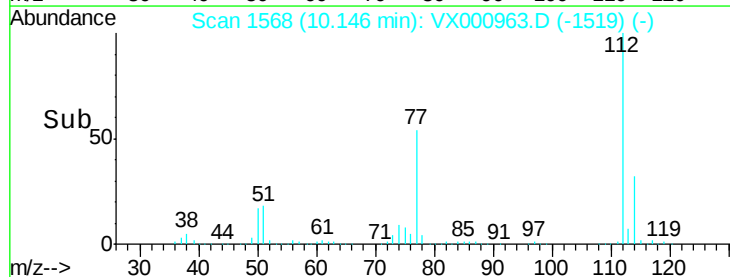
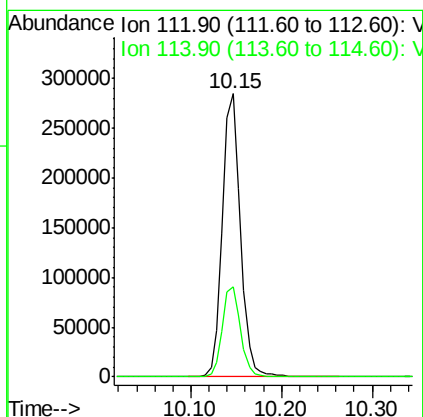
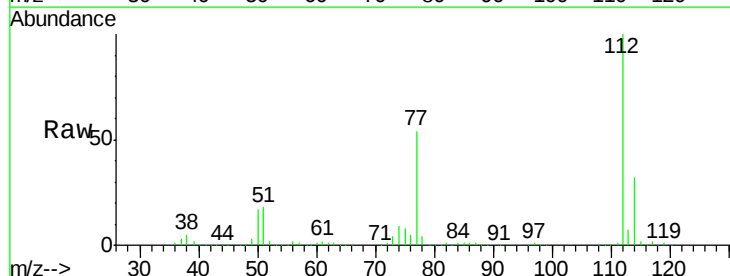
Manual Integrations
APPROVED

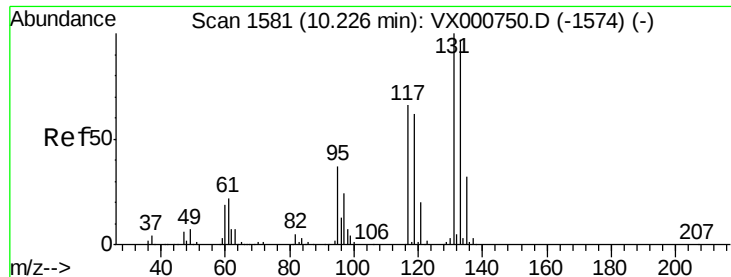
MMDadoda
4/18/2018 2:53:49 PM



#65
Chlorobenzene
Concen: 55.65 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 53.42 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

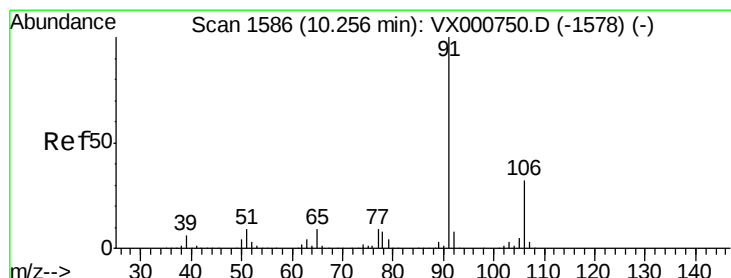
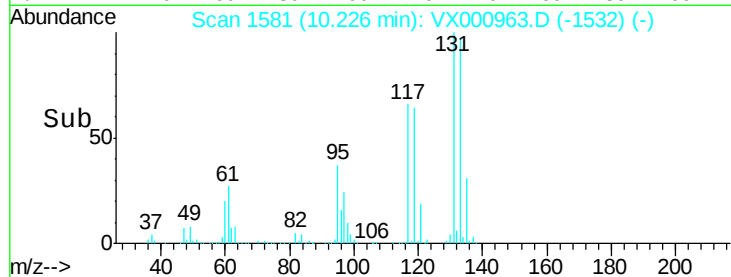
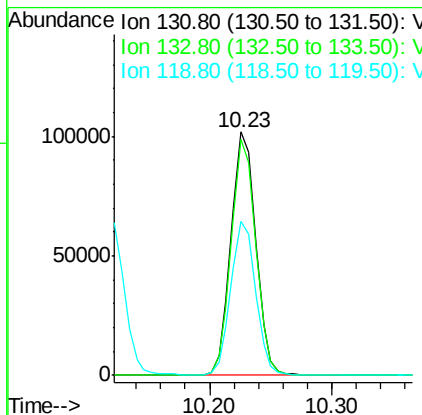
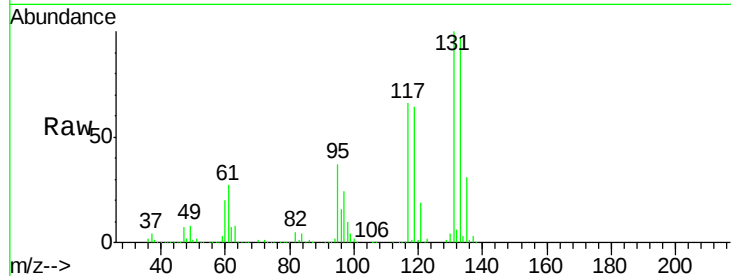
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	131	Resp:	142691
Ion Ratio	Lower	Upper	
131	100		
133	95.8	48.3	144.9
119	63.6	31.4	94.0

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#67

Ethyl Benzene

Concen: 54.56 ug/l

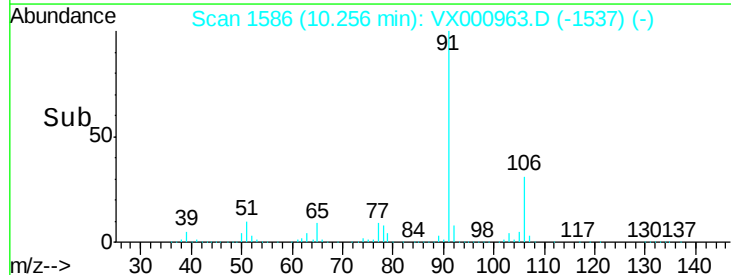
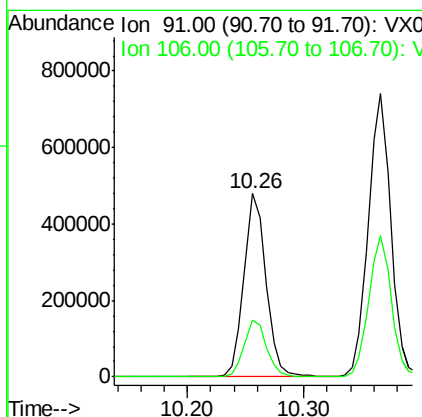
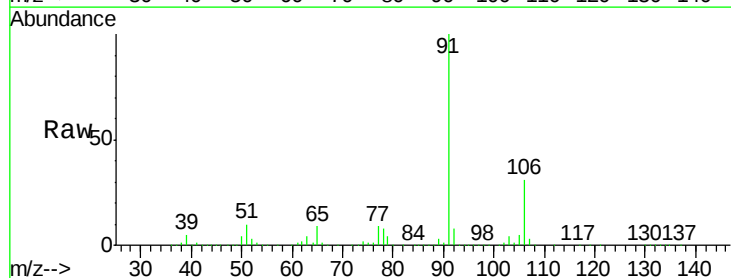
RT: 10.26 min Scan# 1586

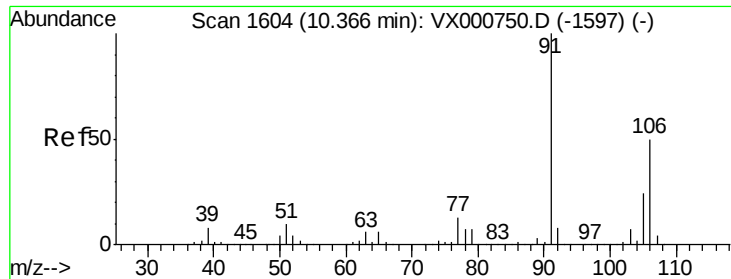
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	91	Resp:	645601
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.4	38.0





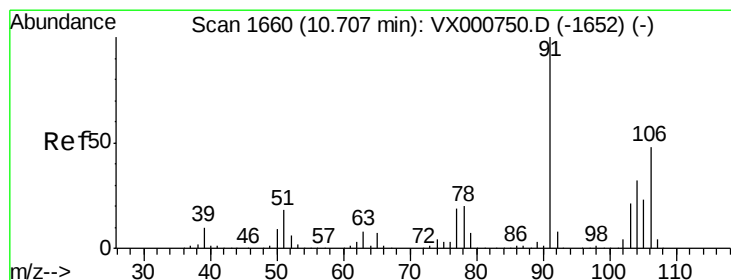
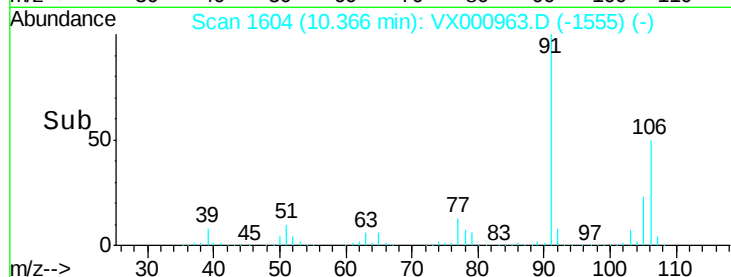
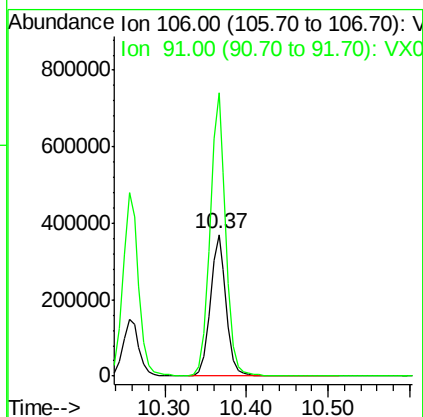
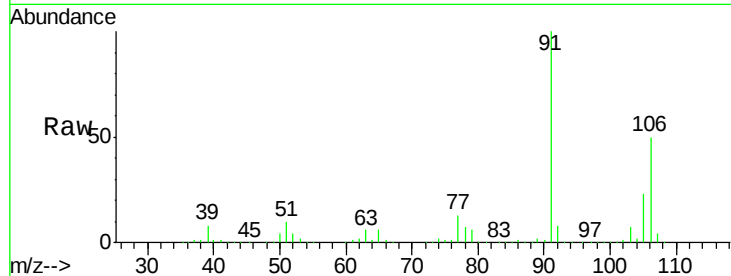
#68
m/p-Xvlenes
Concen: 107.99 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion:106 Resp: 504374
Ion Ratio Lower Upper
106 100
91 200.1 159.3 238.9

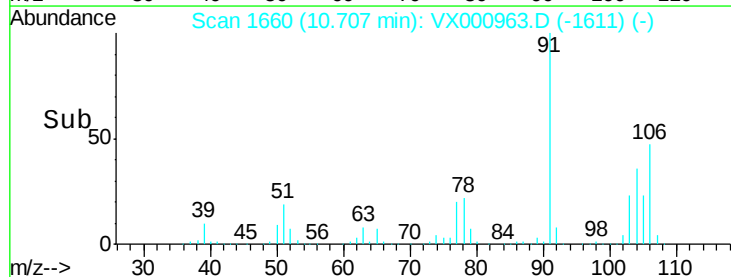
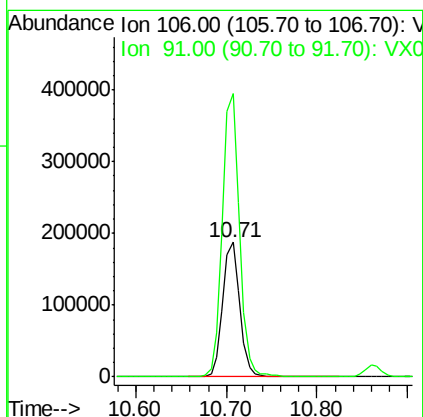
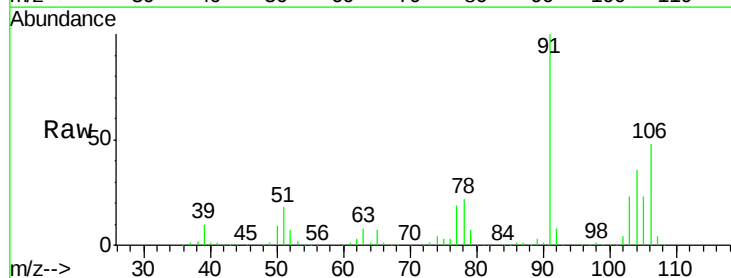
Manual Integrations
APPROVED

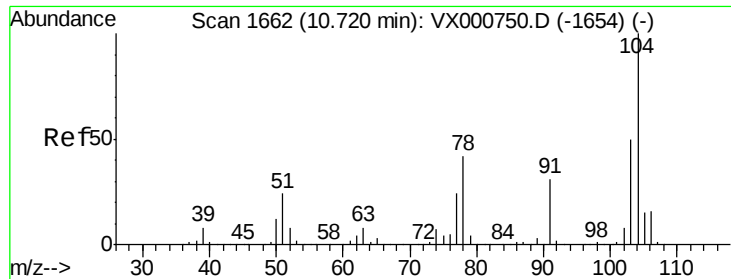
MMDadoda
4/18/2018 2:53:49 PM



#69
o-Xylene
Concen: 54.95 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion:106 Resp: 247340
Ion Ratio Lower Upper
106 100
91 210.6 105.0 315.0





#70

Stvrene

Concen: 54.66 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

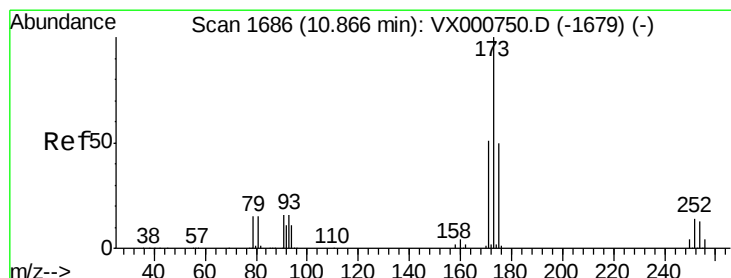
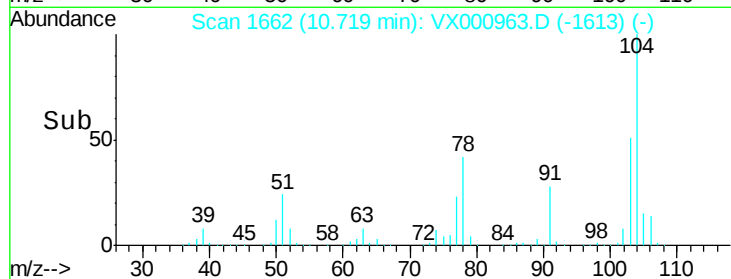
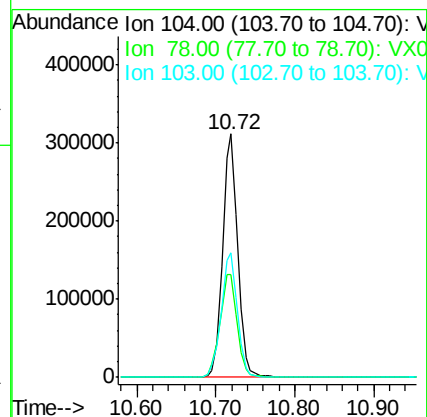
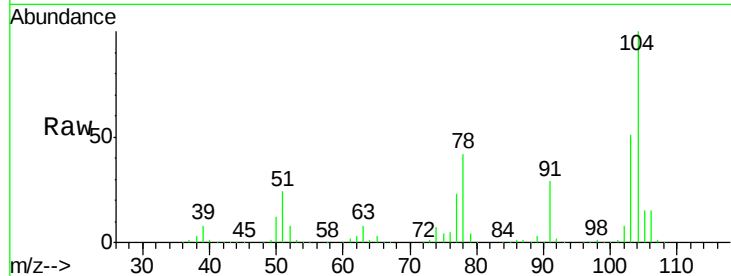
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	104	Resp:	414821
Ion Ratio	Lower	Upper	
104	100		
78	48.3	39.0	58.6
103	55.4	44.1	66.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#71

Bromoform

Concen: 47.95 ug/l

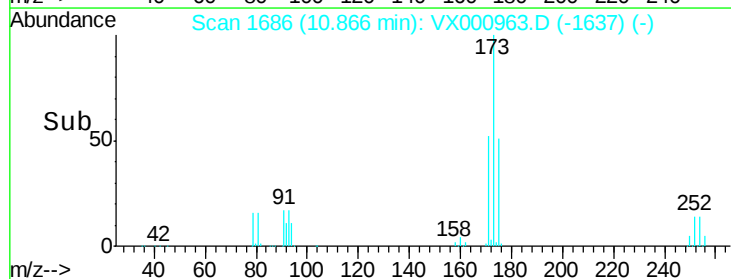
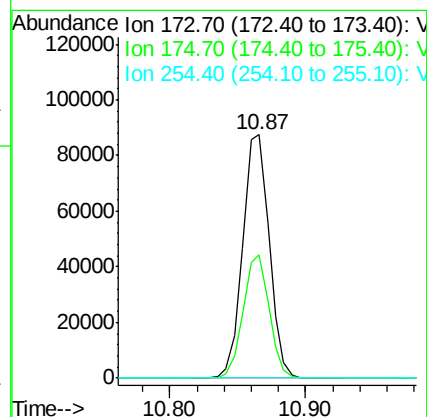
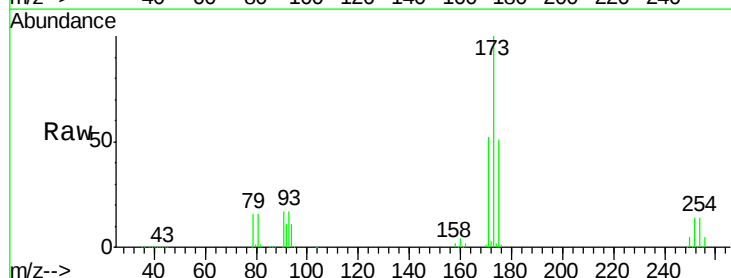
RT: 10.87 min Scan# 1686

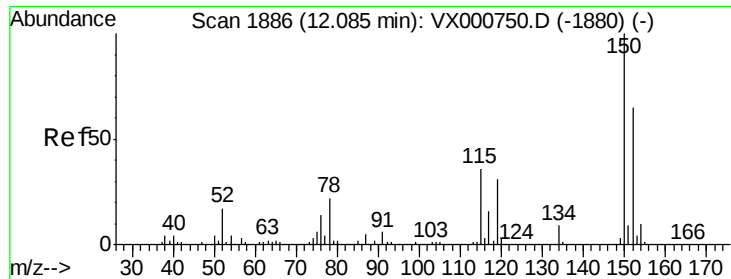
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	173	Resp:	118602
Ion Ratio	Lower	Upper	
173	100		
175	49.8	24.5	73.5
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion:152 Resp: 193003

Ion Ratio Lower Upper

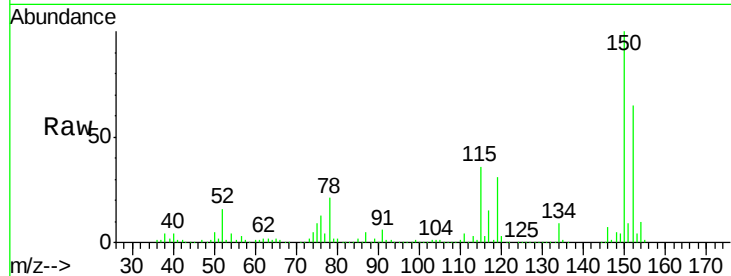
152 100

115 76.7 37.9 113.7

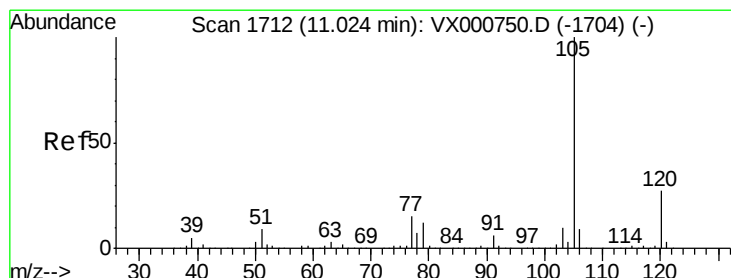
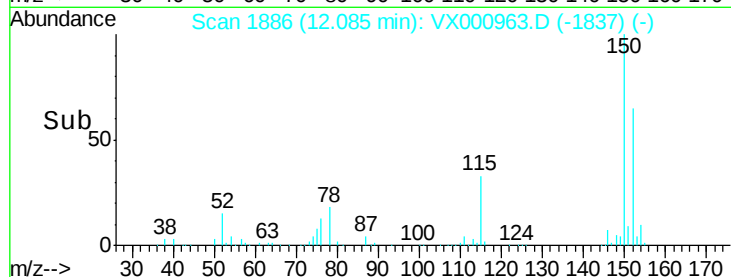
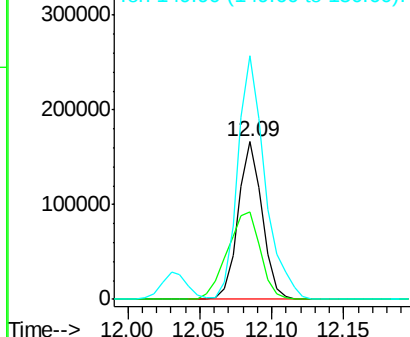
150 175.8 0.0 348.0

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



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: 54.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000963.D

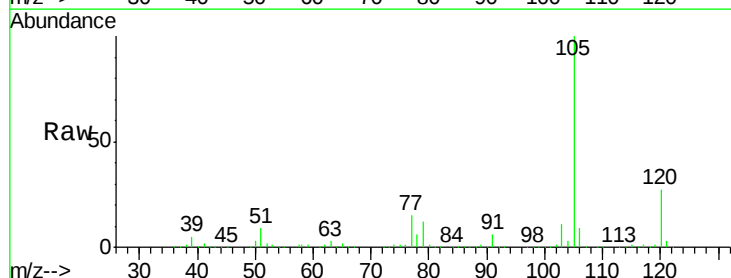
Acq: 17 Apr 2018 10:54

Tgt Ion:105 Resp: 663816

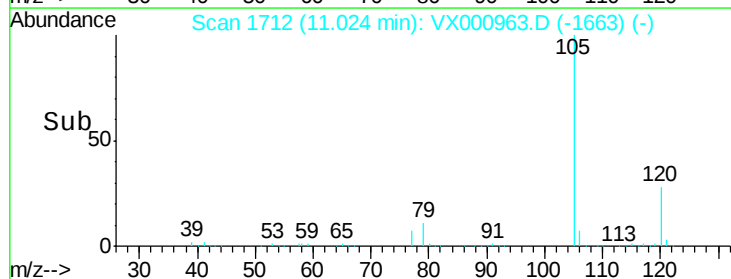
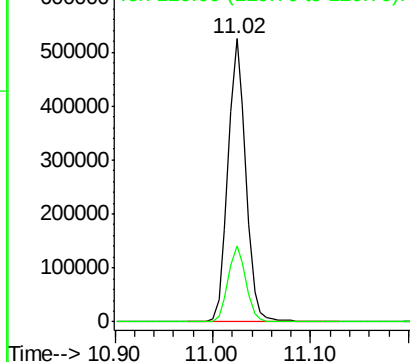
Ion Ratio Lower Upper

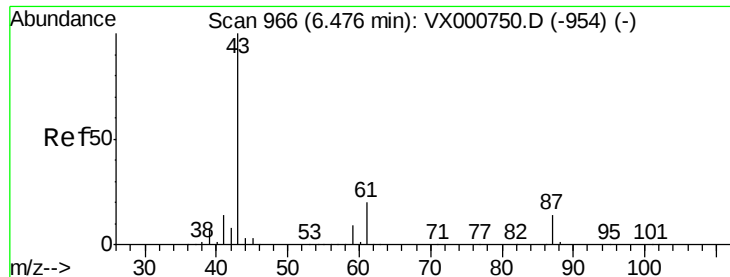
105 100

120 27.2 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.59 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

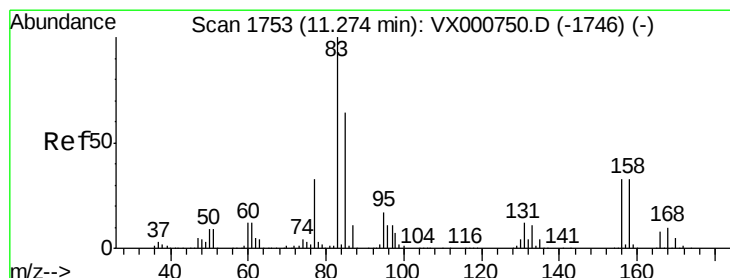
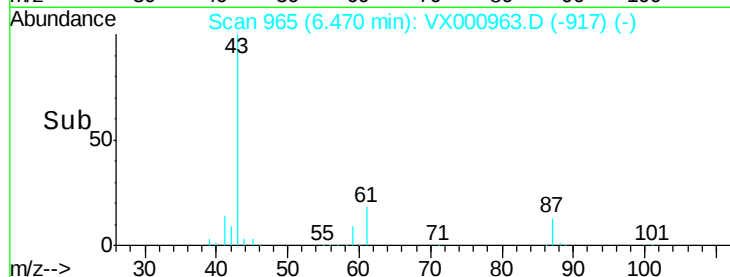
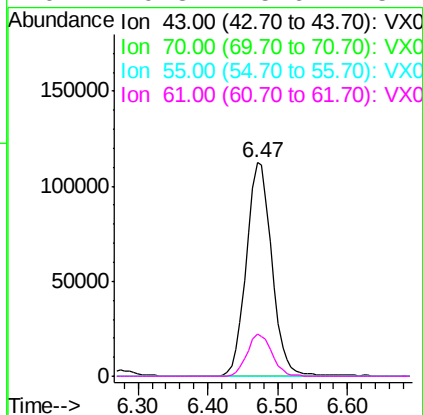
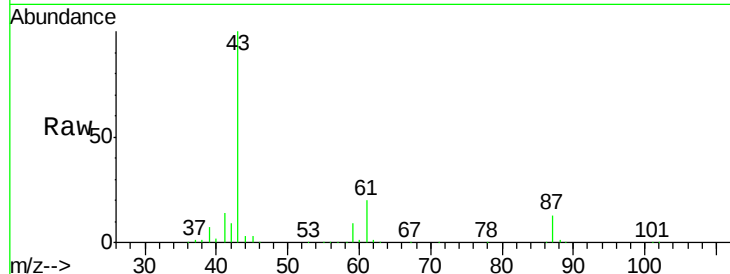
ClientSampleId :

LF012MW001-180410MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		284455		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	19.3	15.6	23.4		

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 55.95 ug/l

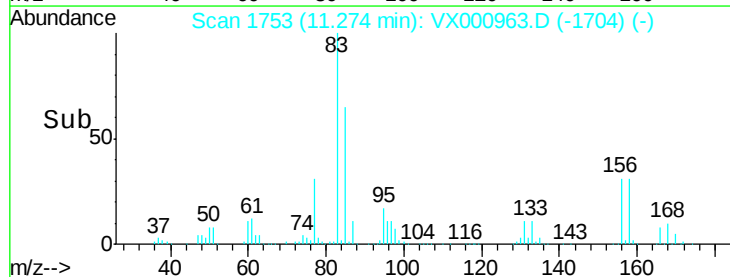
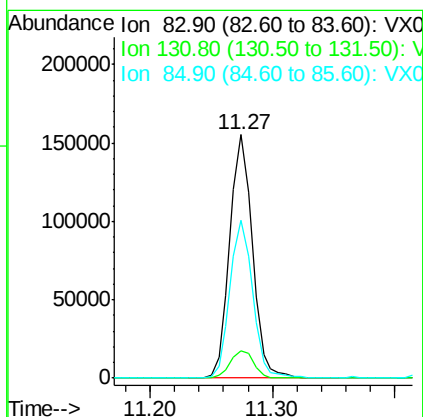
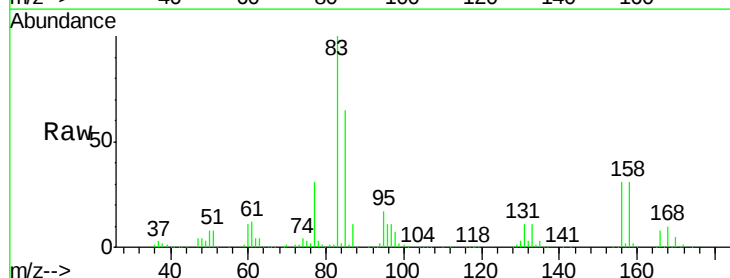
RT: 11.27 min Scan# 1753

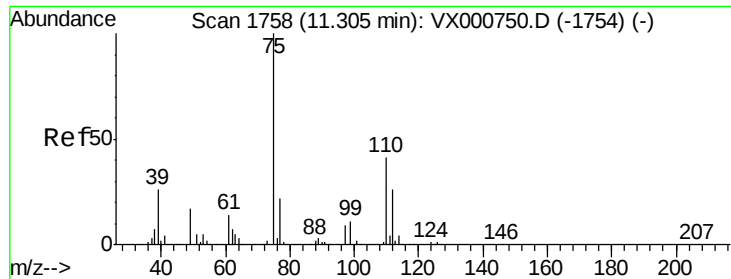
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		198818		
131	11.7	6.0	18.0		
85	65.1	32.3	96.8		





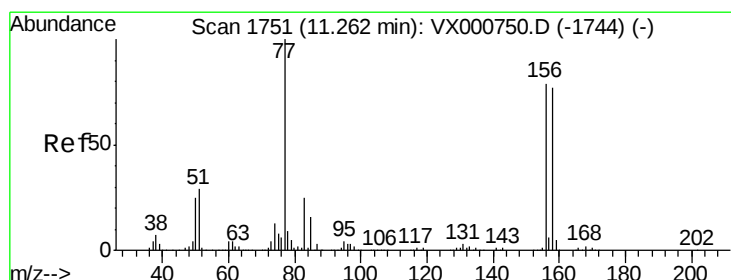
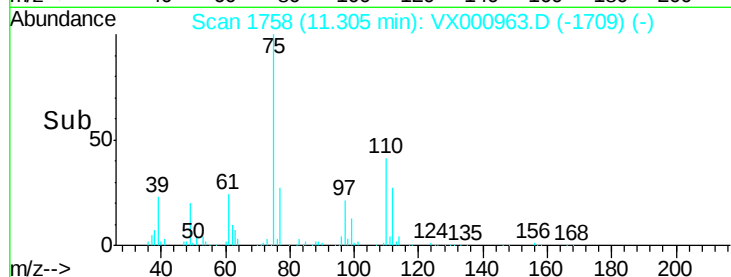
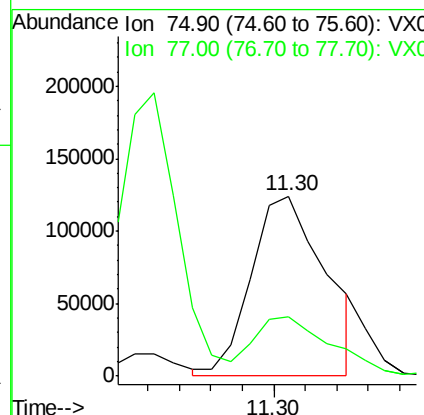
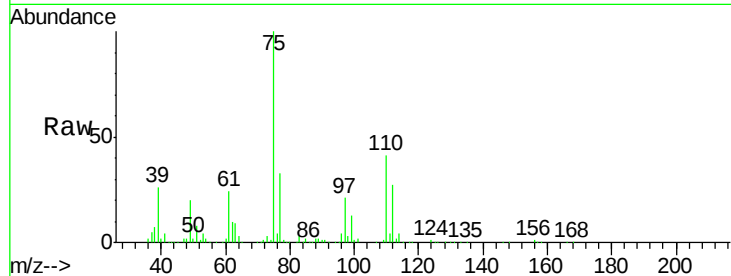
#76
 1,2,3-Trichloropropane
 Concen: 60.96 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion: 75 Resp: 202910
 Ion Ratio Lower Upper
 75 100
 77 34.2 20.5 61.5

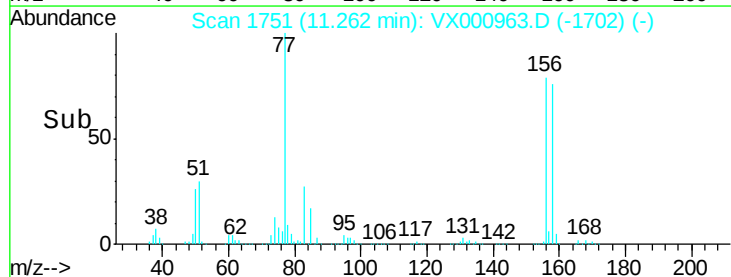
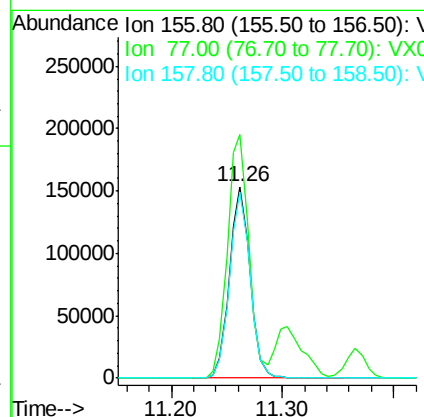
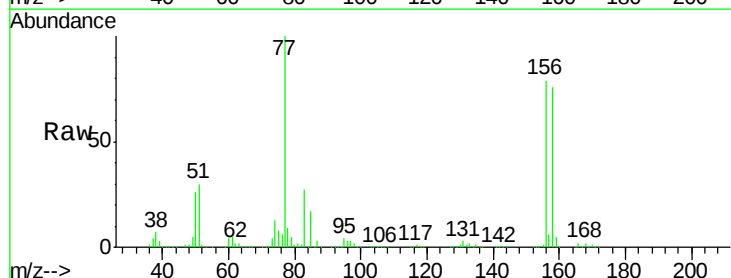
Manual Integrations
 APPROVED

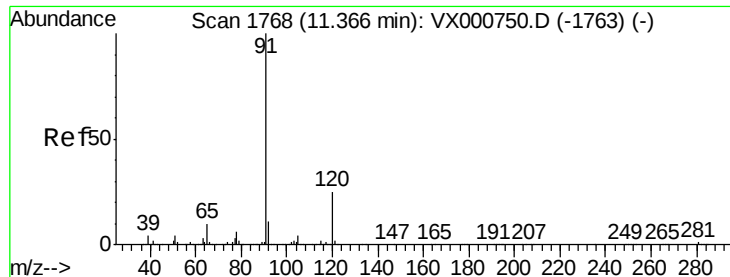
MMDadoda
 4/18/2018 2:53:49 PM



#77
 Bromobenzene
 Concen: 54.43 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion: 156 Resp: 195306
 Ion Ratio Lower Upper
 156 100
 77 132.7 66.0 198.2
 158 97.4 48.8 146.4





#78

n-propylbenzene

Concen: 52.82 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MSD

Tot Ion: 91 Resp: 739810

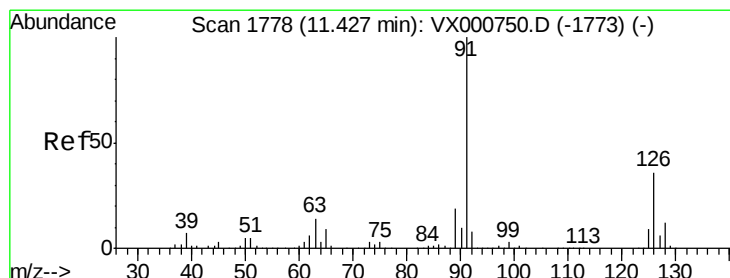
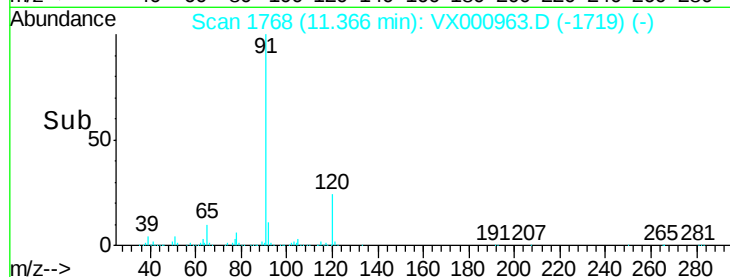
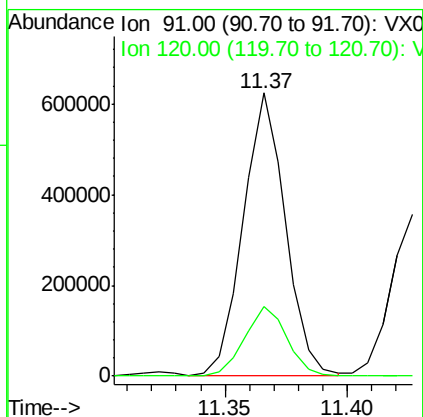
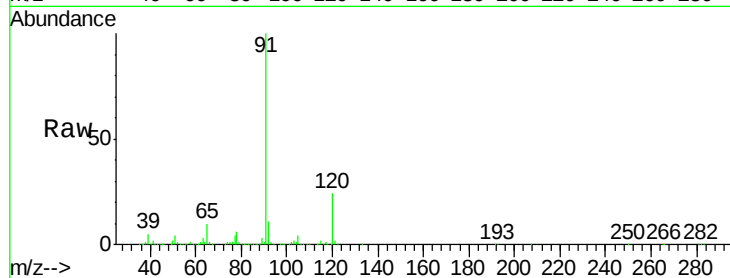
Ion Ratio Lower Upper

91 100

120 25.1 12.6 37.6

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#79

2-Chlorotoluene

Concen: 54.16 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000963.D

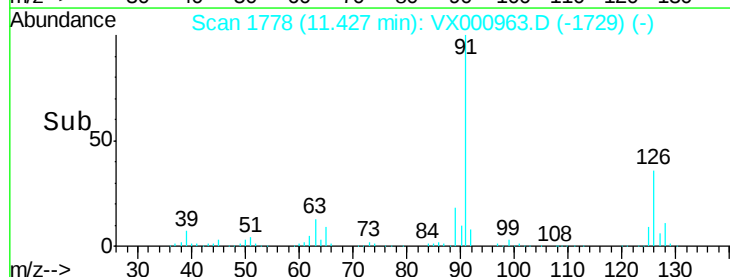
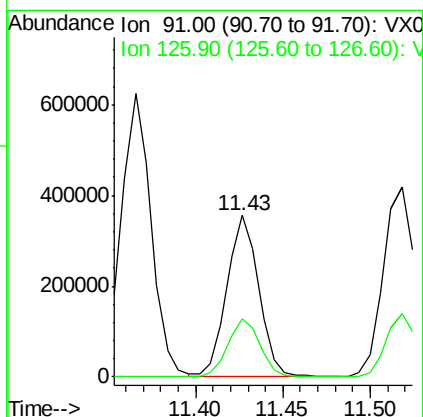
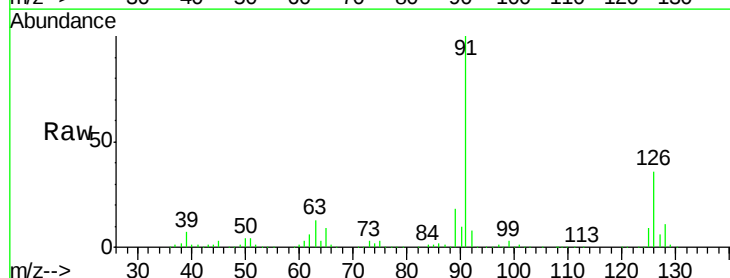
Acq: 17 Apr 2018 10:54

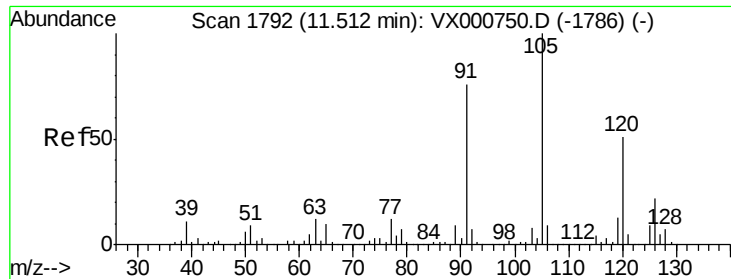
Tgt Ion: 91 Resp: 448294

Ion Ratio Lower Upper

91 100

126 36.5 18.3 54.9





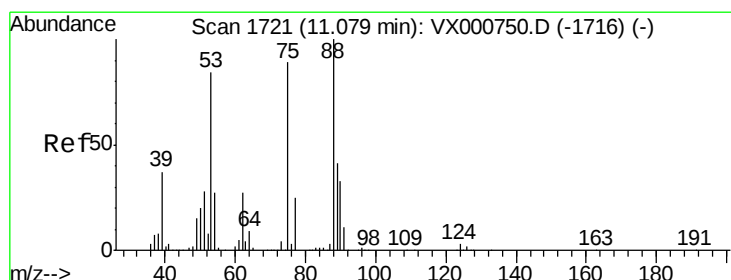
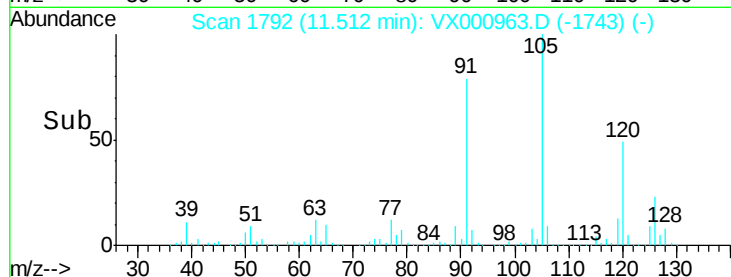
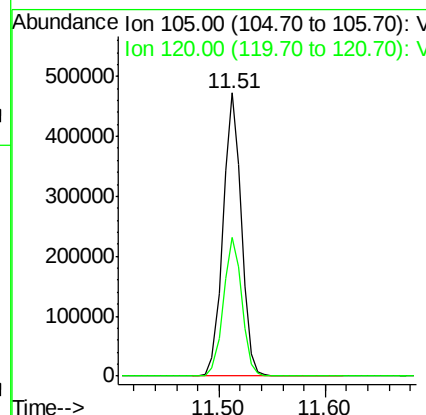
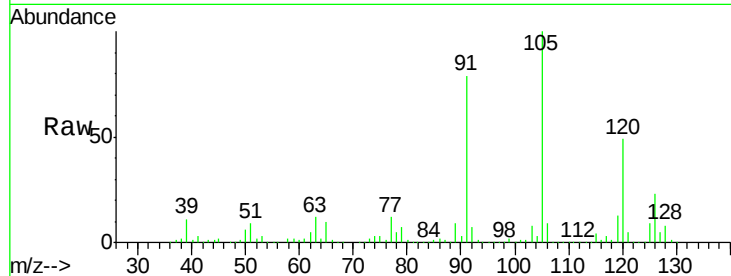
#80
 1,3,5-Trimethylbenzene
 Concen: 53.45 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion:105 Resp: 562823
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.0 75.0

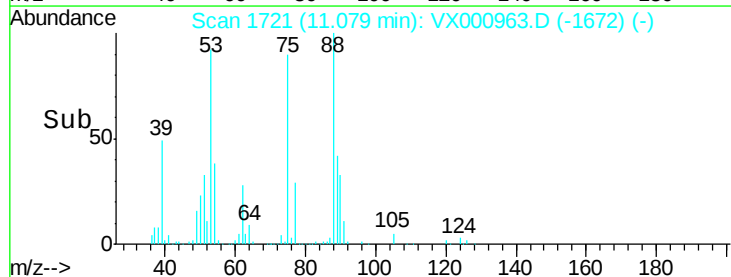
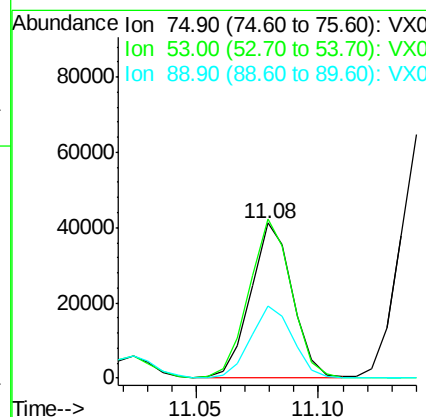
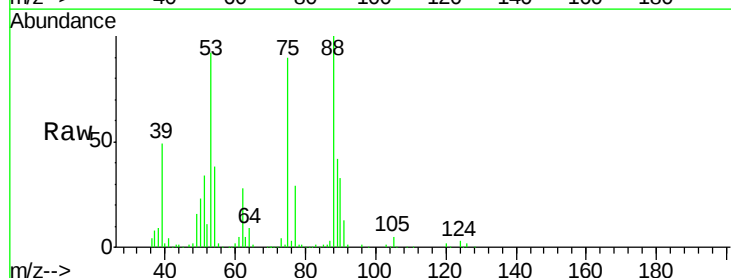
Manual Integrations
 APPROVED

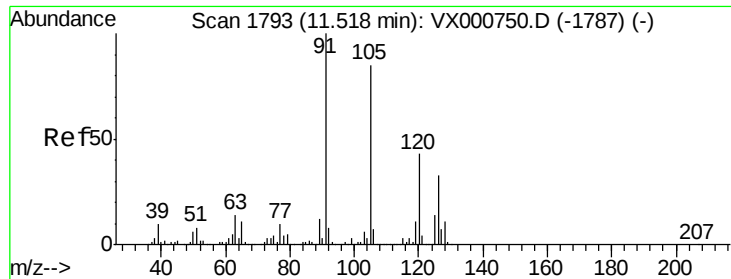
MMDadoda
 4/18/2018 2:53:49 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.19 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion: 75 Resp: 48626
 Ion Ratio Lower Upper
 75 100
 53 105.1 75.4 113.0
 89 47.9 40.9 61.3





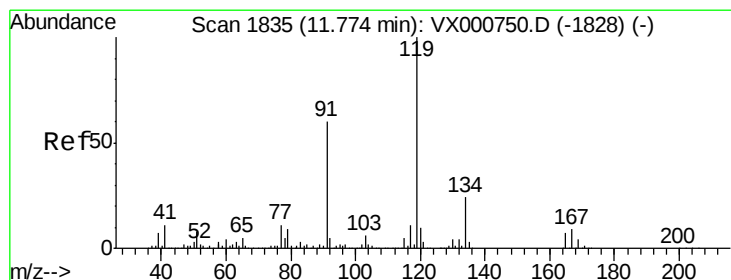
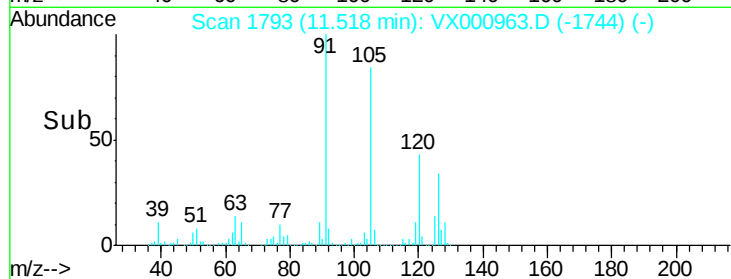
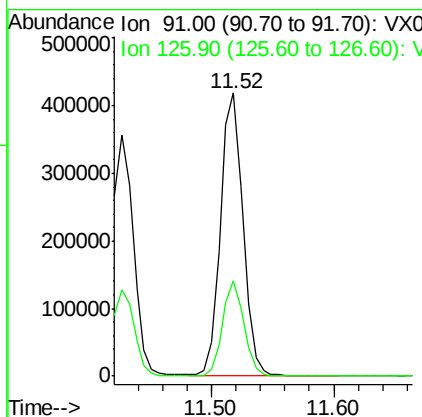
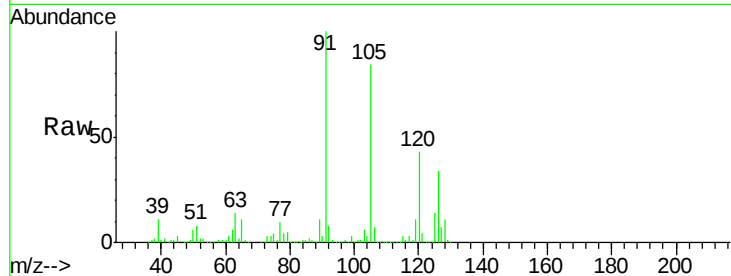
#82
4-Chlorotoluene
Concen: 53.69 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion: 91 Resp: 536476
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.6

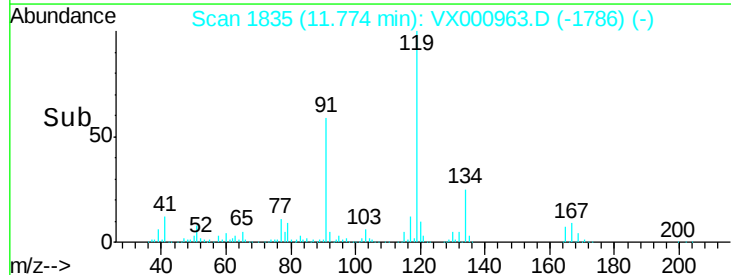
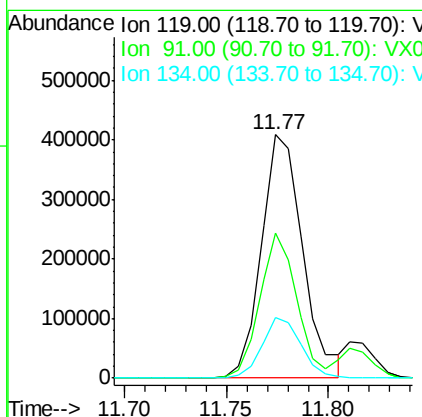
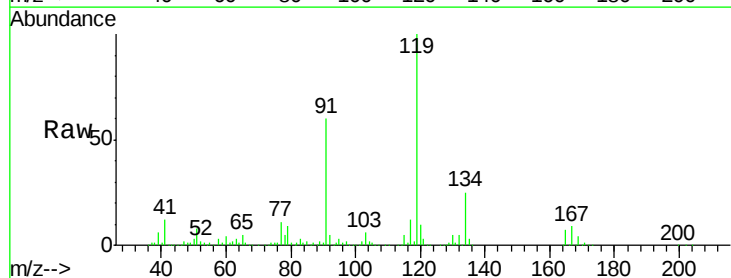
Manual Integrations
APPROVED

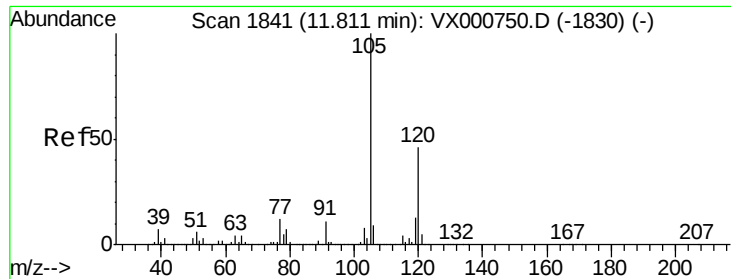
MMDadoda
4/18/2018 2:53:49 PM



#83
tert-Butylbenzene
Concen: 53.53 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion: 119 Resp: 576667
Ion Ratio Lower Upper
119 100
91 53.3 26.8 80.3
134 23.4 11.5 34.4





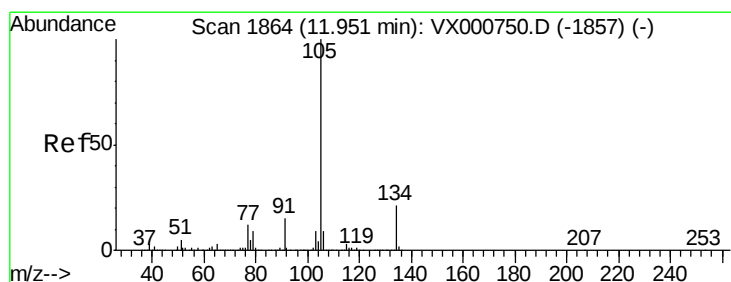
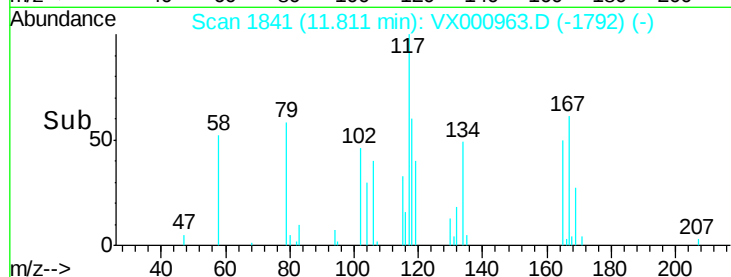
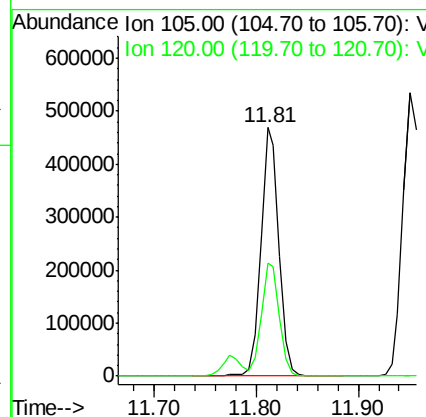
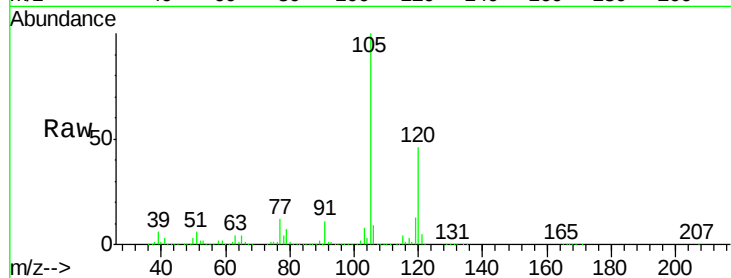
#84
 1,2,4-Trimethylbenzene
 Concen: 53.36 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.3

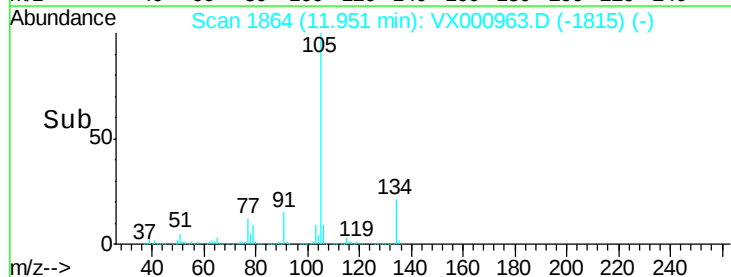
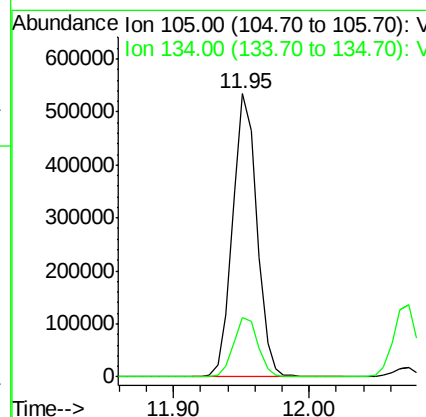
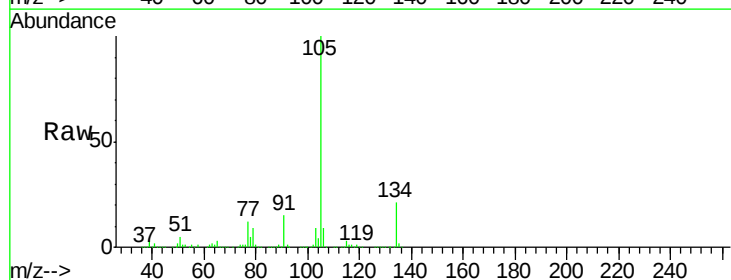
Manual Integrations
 APPROVED

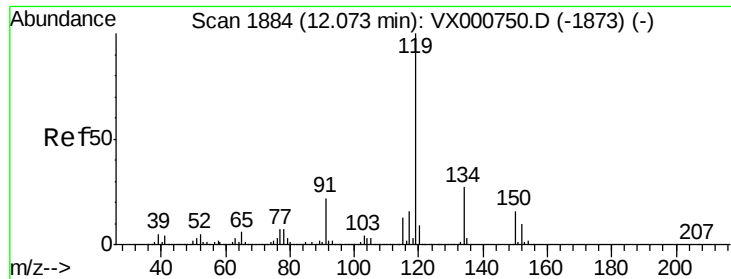
MMDadoda
 4/18/2018 2:53:49 PM



#85
 sec-Butylbenzene
 Concen: 52.01 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.8	32.4





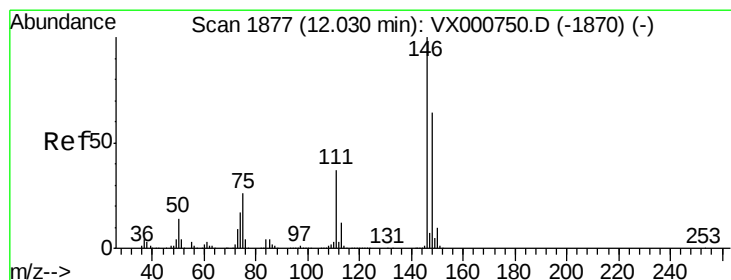
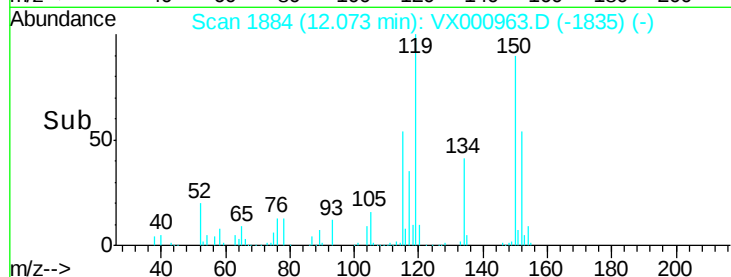
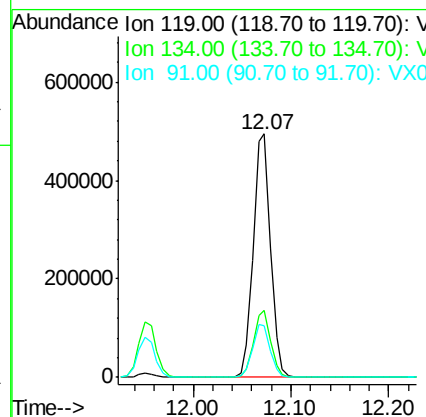
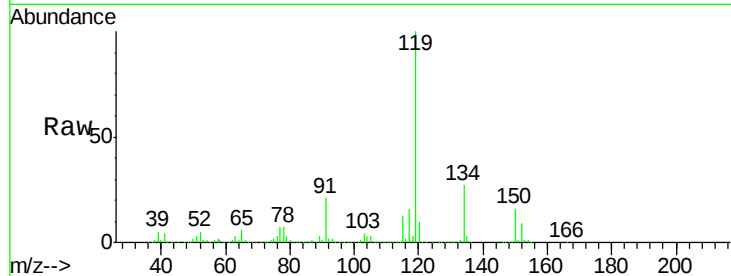
#86
 p-Isopropyltoluene
 Concen: 51.15 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.1	11.2	33.5

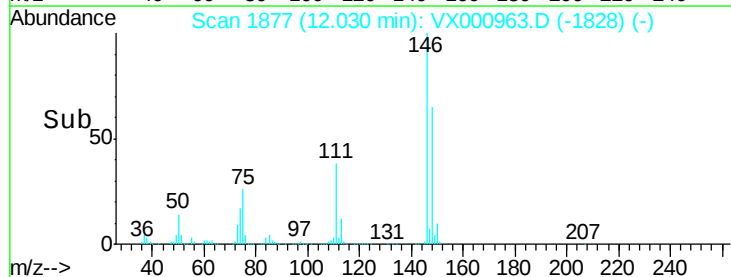
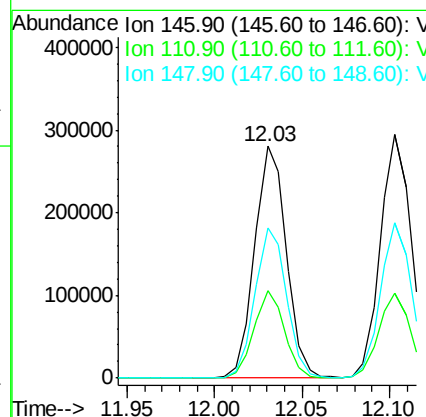
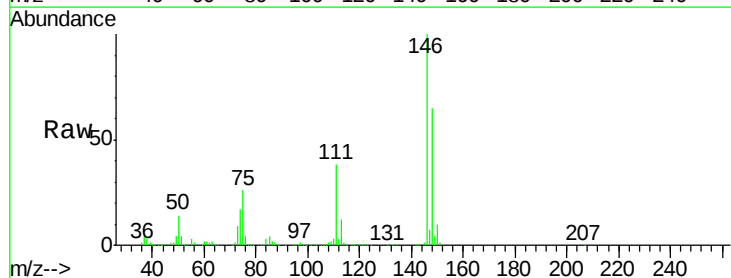
Manual Integrations
 APPROVED

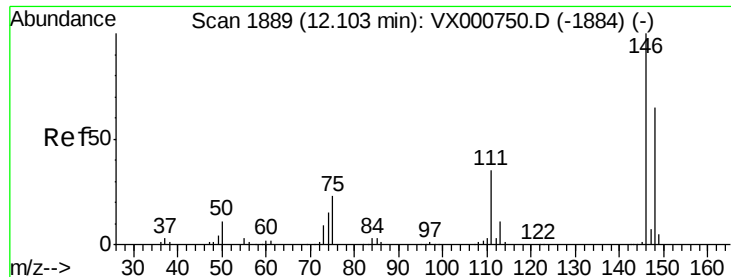
MMDadoda
 4/18/2018 2:53:49 PM



#87
 1,3-Dichlorobenzene
 Concen: 53.66 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.8
148	64.4	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 53.21 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

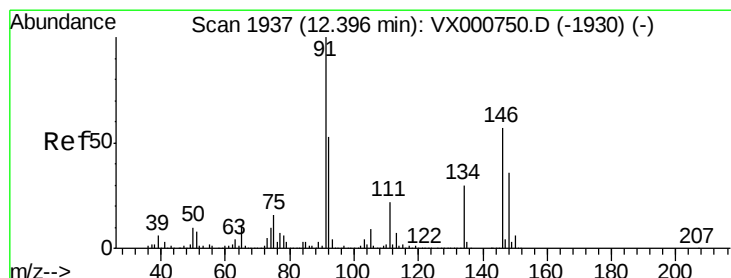
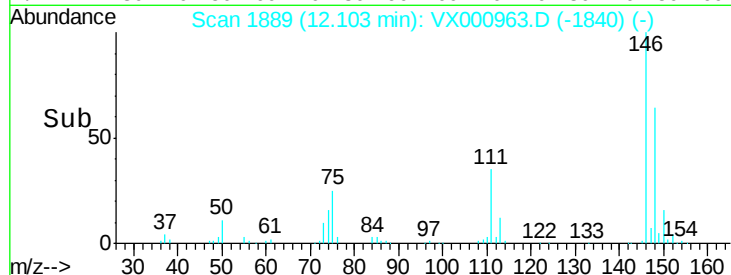
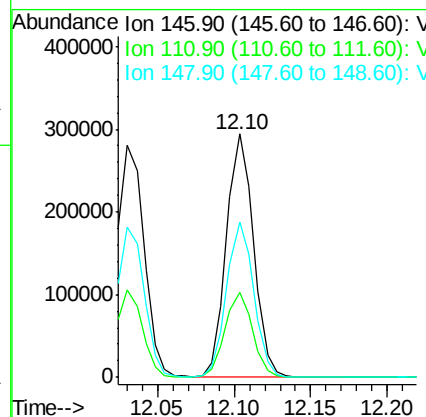
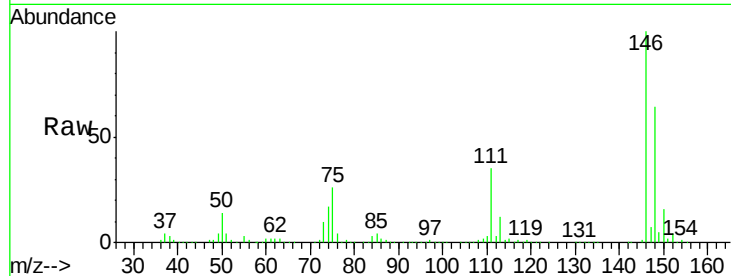
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	146	Resp:	362151
Ion Ratio	Lower	Upper	
146	100		
111	35.5	17.9	53.8
148	64.4	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#89

n-Butylbenzene

Concen: 49.61 ug/l

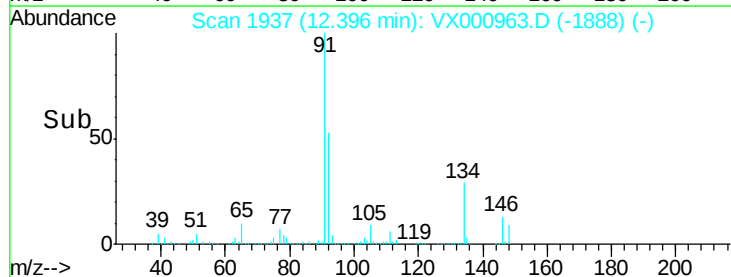
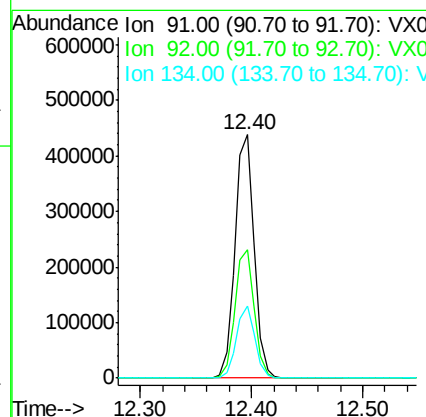
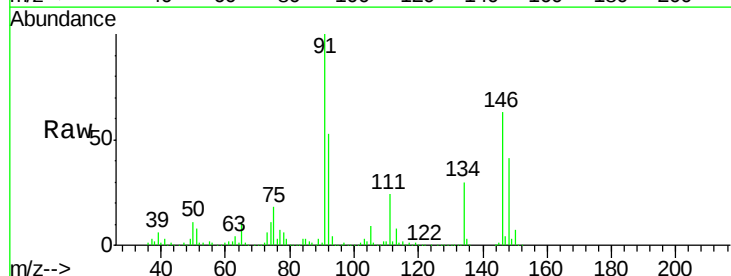
RT: 12.40 min Scan# 1937

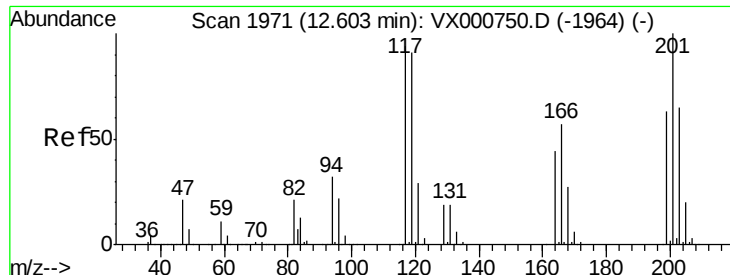
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	91	Resp:	518937
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.5	79.5
134	28.8	14.5	43.5





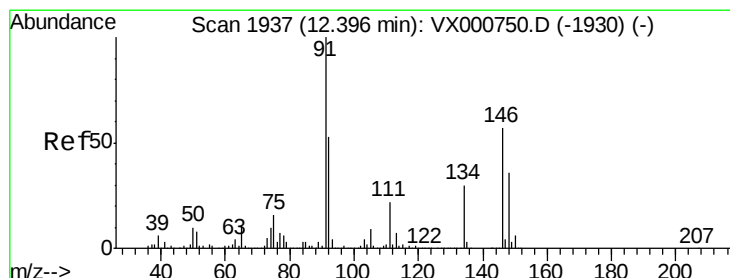
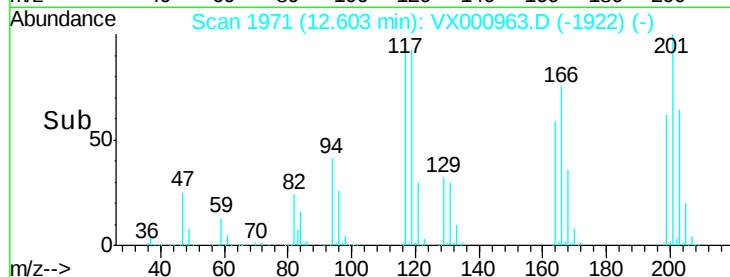
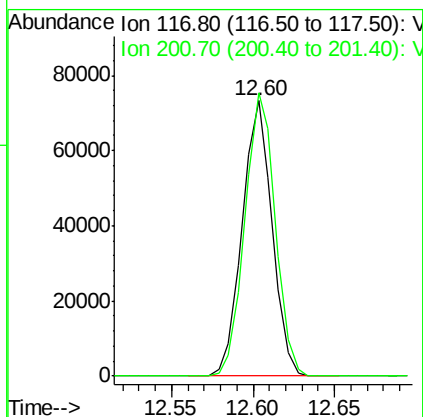
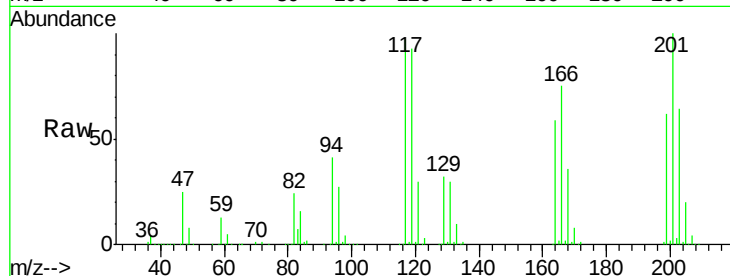
#90
Hexachloroethane
Concen: 46.64 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MSD

Tot Ion:117 Resp: 93540
Ion Ratio Lower Upper
117 100
201 104.2 52.9 158.7

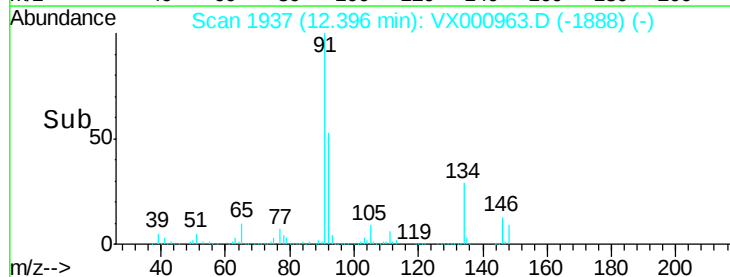
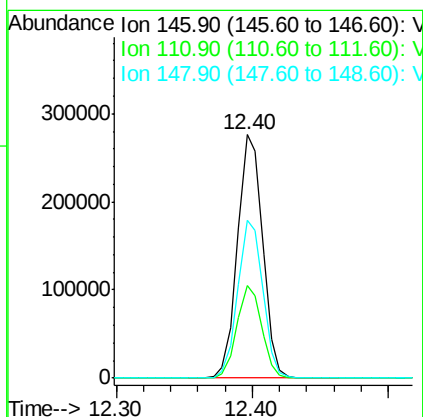
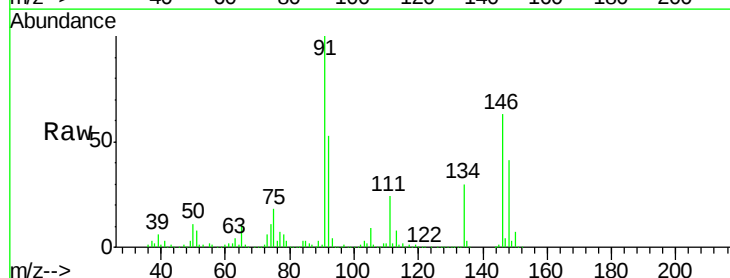
Manual Integrations
APPROVED

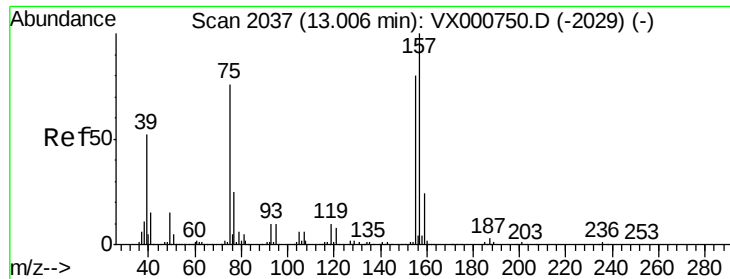
MMDadoda
4/18/2018 2:53:49 PM



#91
1,2-Dichlorobenzene
Concen: 55.49 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000963.D
Acq: 17 Apr 2018 10:54

Tgt Ion:146 Resp: 355791
Ion Ratio Lower Upper
146 100
111 37.6 18.9 56.7
148 64.5 32.0 96.2





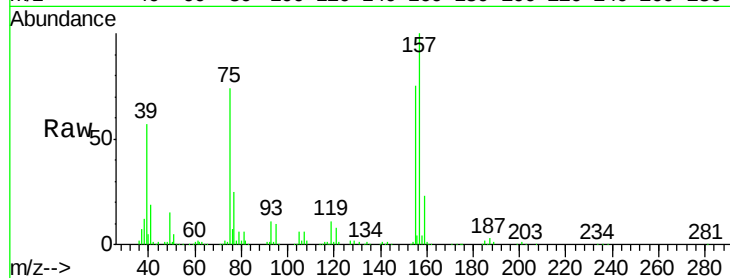
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.89 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	103.2	51.9	155.8
157	135.8	66.6	199.8

Manual Integrations
 APPROVED

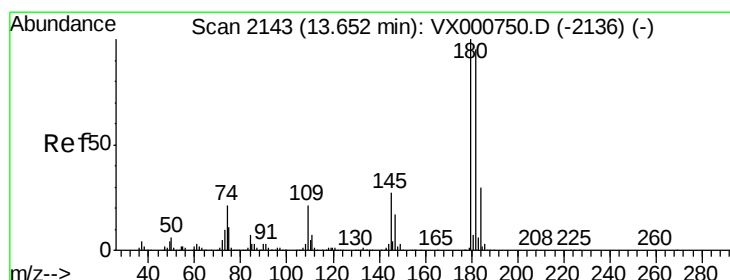
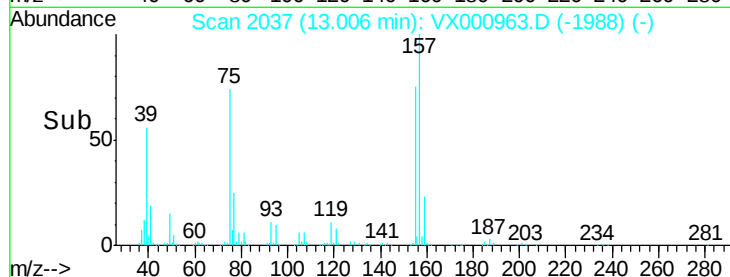
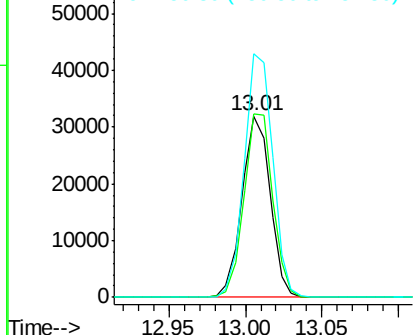
MMDadoda
 4/18/2018 2:53:49 PM



Abundance Ion 74.90 (74.60 to 75.60): VX000963.D (-1988) (-)

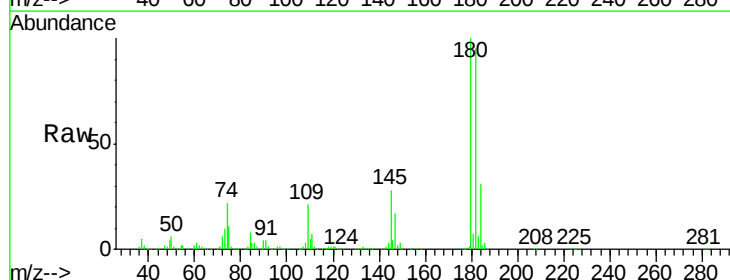
Ion 154.80 (154.50 to 155.50): VX000963.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX000963.D (-1988) (-)



#93
 1,2,4-Trichlorobenzene
 Concen: 52.03 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

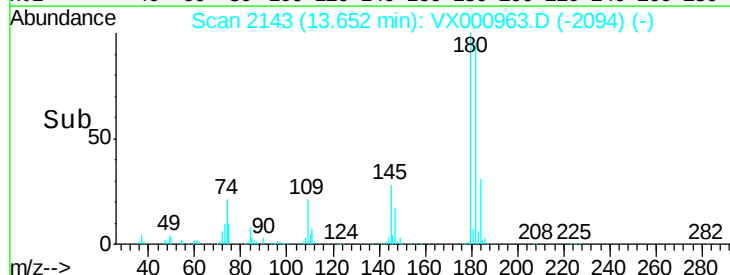
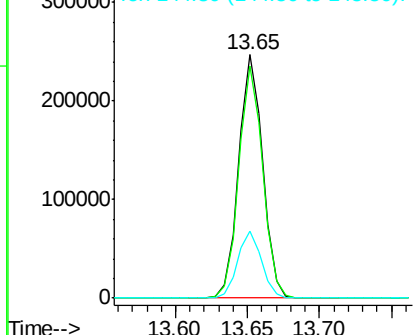
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	27.6	13.8	41.4

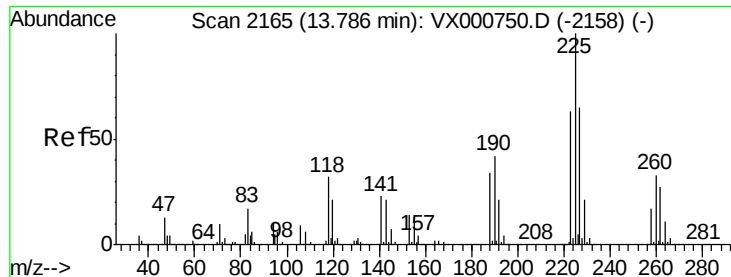


Abundance Ion 179.80 (179.50 to 180.50): VX000963.D (-2094) (-)

Ion 181.80 (181.50 to 182.50): VX000963.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX000963.D (-2094) (-)





#94

Hexachlorobutadiene

Concen: 41.65 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Instrument :

MSVOA_X

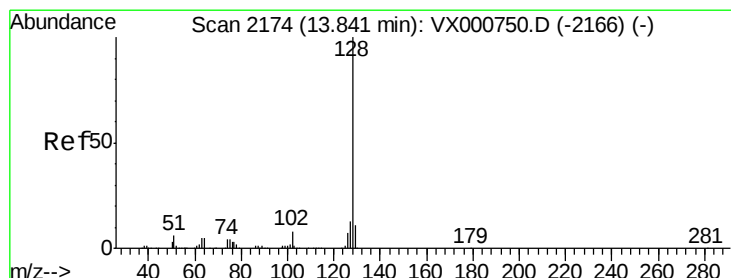
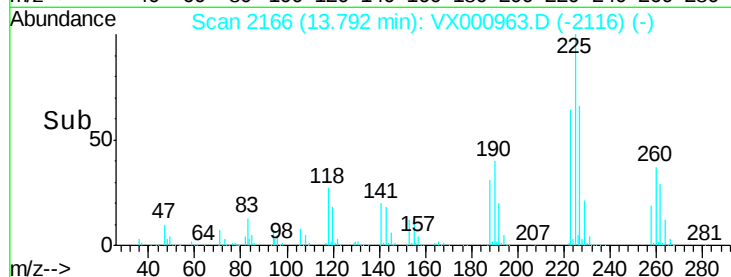
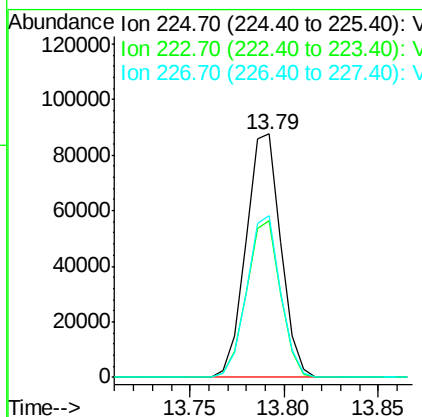
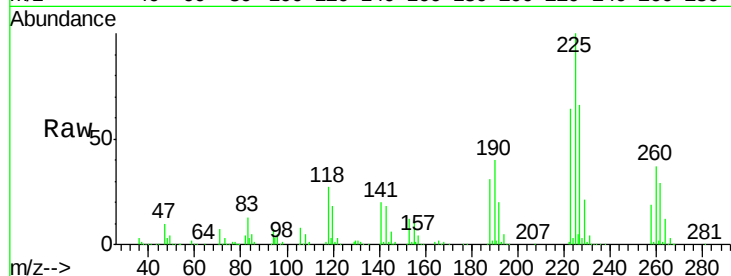
ClientSampleId :

LF012MW001-180410MSD

Tot Ion:	225	Resp:	112052
Ion Ratio		Lower	Upper
225	100		
223	62.8	31.2	93.6
227	64.2	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:53:49 PM



#95

Naphthalene

Concen: 53.78 ug/l

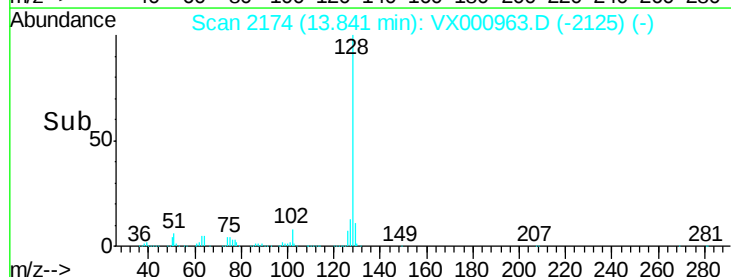
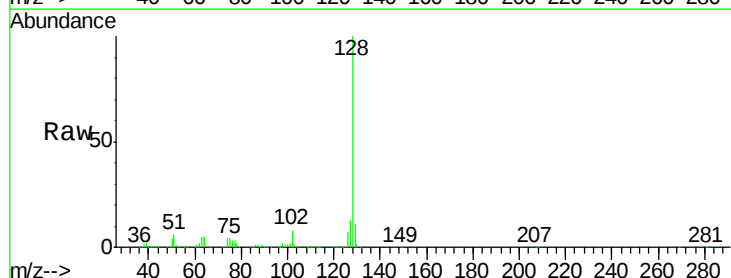
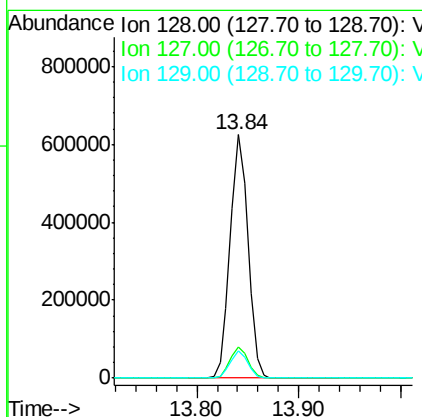
RT: 13.84 min Scan# 2174

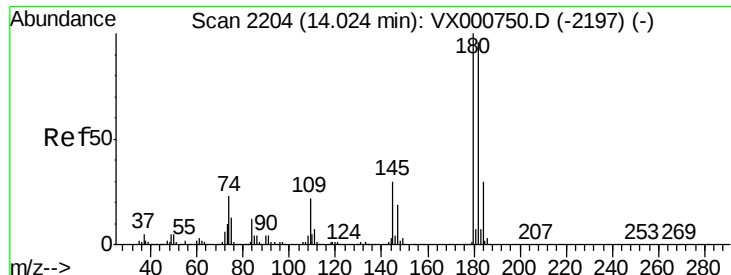
Delta R.T. -0.00 min

Lab File: VX000963.D

Acq: 17 Apr 2018 10:54

Tgt Ion:	128	Resp:	755296
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 52.21 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX000963.D
 Acq: 17 Apr 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277428		
182	95.9		48.4	145.2
145	28.7		14.6	43.8

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:53:49 PM

