

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000962.D
 Acq On : 17 Apr 2018 10:29
 Operator : JC/MD
 Sample : J2349-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Manual Integrations
 APPROVED

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 4/18/2018 2:45:14 PM

Quant Time: Apr 17 13:43:33 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	218877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	134413	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	5.51	113	111829	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	8.72	98	410689	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.15	95	168554	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121997	49.38	ug/l	100
3) Chloromethane	1.32	50	110122	51.98	ug/l	100
4) Vinyl Chloride	1.41	62	127811	53.64	ug/l	96
5) Bromomethane	1.64	94	78046	79.96	ug/l	99
6) Chloroethane	1.73	64	75751	52.45	ug/l	98
7) Trichlorofluoromethane	1.93	101	193944	53.95	ug/l	97
8) Diethyl Ether	2.19	74	73850	54.99	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	112425	53.04	ug/l	99
10) Methyl Iodide	2.52	142	75660	46.54	ug/l	100
11) Tert butyl alcohol	3.07	59	113134	230.89	ug/l	100
12) 1,1-Dichloroethene	2.38	96	104807	52.17	ug/l	97
13) Acrolein	2.30	56	26936	113.20	ug/l	99
14) Allyl chloride	2.73	41	187275	50.42	ug/l	99
15) Acrylonitrile	3.15	53	289516	277.14	ug/l	100
16) Acetone	2.45	43	235734	247.69	ug/l	98
17) Carbon Disulfide	2.57	76	249739	41.05	ug/l	99
18) Methyl Acetate	2.78	43	144675	58.74	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	374039	55.90	ug/l	98
20) Methylene Chloride	2.86	84	117246	52.97	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	113546	51.26	ug/l	97
22) Diisopropyl ether	3.88	45	396587	58.09	ug/l	99
23) Vinyl Acetate	3.83	43	1597134	266.47	ug/l	98
24) 1,1-Dichloroethane	3.70	63	214880	56.10	ug/l	99
25) 2-Butanone	4.71	43	409192	260.36	ug/l	99
26) 2,2-Dichloropropane	4.59	77	136132	35.80	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	148651	59.13	ug/l	95
28) Bromochloromethane	5.03	49	79805	51.74	ug/l	97
29) Tetrahydrofuran	5.17	42	261482	262.03	ug/l	100
30) Chloroform	5.23	83	226899	55.95	ug/l	98
31) Cyclohexane	5.59	56	182883	50.27	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	199762	51.70	ug/l	99
36) 1,1-Dichloropropene	5.81	75	163860	48.92	ug/l	100
37) Ethyl Acetate	4.87	43	159332	48.73	ug/l	99
38) Carbon Tetrachloride	5.79	117	176357	47.04	ug/l	99

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	182338	45.33	ug/l	99
40) Benzene	6.15	78	485291	52.14	ug/l	99
41) Methacrylonitrile	5.07	41	98253	52.01	ug/l	99
42) 1,2-Dichloroethane	6.21	62	185893	53.48	ug/l	99
43) Isopropyl Acetate	6.47	43	276533	49.33	ug/l	99
44) Trichloroethene	7.22	130	146997	50.78	ug/l	95
45) 1,2-Dichloropropane	7.53	63	127400	53.76	ug/l	97
46) Dibromomethane	7.67	93	86063	52.09	ug/l	100
47) Bromodichloromethane	7.91	83	165848	49.73	ug/l	100
48) Methyl methacrylate	7.79	41	151745	52.22	ug/l	99
49) 1,4-Dioxane	7.76	88	48717	834.23	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	879075	266.95	ug/l	99
52) Toluene	8.79	92	321256	52.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	189468	47.37	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	180210	46.27	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	129313	52.76	ug/l	99
56) Ethyl methacrylate	9.19	69	196377	51.93	ug/l	100
57) 1,3-Dichloropropane	9.38	76	215272	55.24	ug/l	99
59) 2-Hexanone	9.51	43	654391	257.40	ug/l	100
60) Dibromochloromethane	9.59	129	142687	48.65	ug/l	99
61) 1,2-Dibromoethane	9.68	107	138458	53.24	ug/l	99
64) Tetrachloroethene	9.34	164	140254	48.98	ug/l	99
65) Chlorobenzene	10.15	112	386731	52.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	139136	50.18	ug/l	99
67) Ethyl Benzene	10.26	91	627199	51.06	ug/l	100
68) m/p-Xylenes	10.37	106	492502	101.58	ug/l	100
69) o-Xylene	10.71	106	239485	51.25	ug/l	99
70) Stvrene	10.72	104	408278	51.83	ug/l	100
71) Bromoform	10.87	173	115083	44.82	ug/l	100
73) Isopropylbenzene	11.02	105	653429	51.77	ug/l	100
74) N-amyl acetate	6.47	43	276533	48.65	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	194953	53.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	195522m	56.98	ug/l	
77) Bromobenzene	11.26	156	190064	51.38	ug/l	99
78) n-propylbenzene	11.37	91	733008	50.77	ug/l	100
79) 2-Chlorotoluene	11.43	91	439357	51.49	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	553628	51.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	46746	37.48	ug/l	90
82) 4-Chlorotoluene	11.52	91	524499	50.93	ug/l	100
83) tert-Butylbenzene	11.77	119	570990	51.42	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	566384	50.54	ug/l	100
85) sec-Butylbenzene	11.95	105	647775	49.45	ug/l	99
86) p-Isopropyltoluene	12.07	119	600628	49.16	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	349484	51.05	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	356843	50.86	ug/l	99
89) n-Butylbenzene	12.40	91	507028	47.02	ug/l	100
90) Hexachloroethane	12.60	117	89934	43.50	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	345512	52.28	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40977	44.65	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	276929	49.10	ug/l	99

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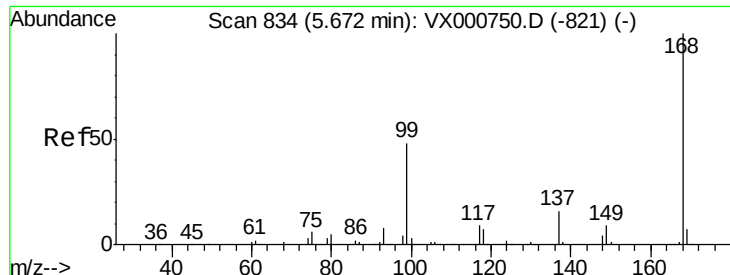
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	107183	38.65	ug/l	99
95) Naphthalene	13.84	128	737943	50.97	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	270089	49.31	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: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion:168 Resp: 218877

Ion Ratio Lower Upper

168 100

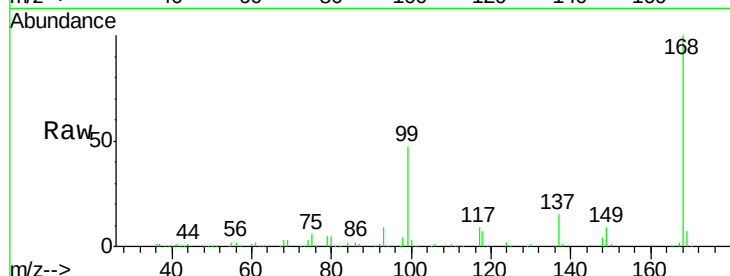
99 46.6 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

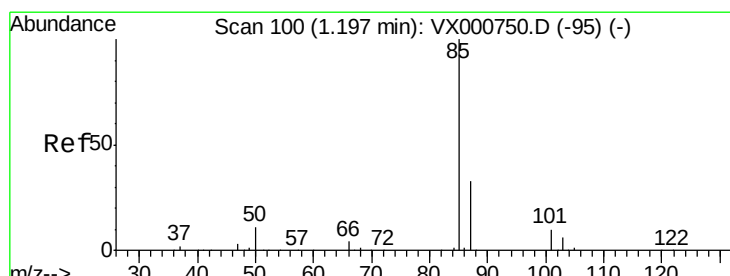
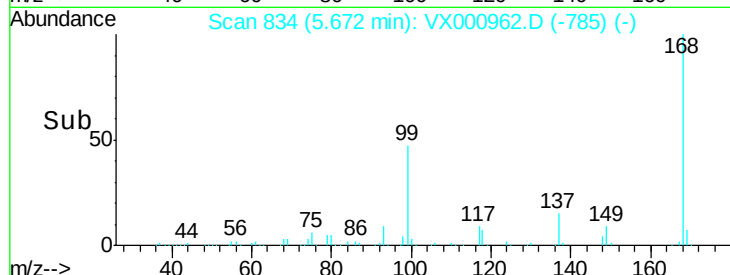
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.38 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000962.D

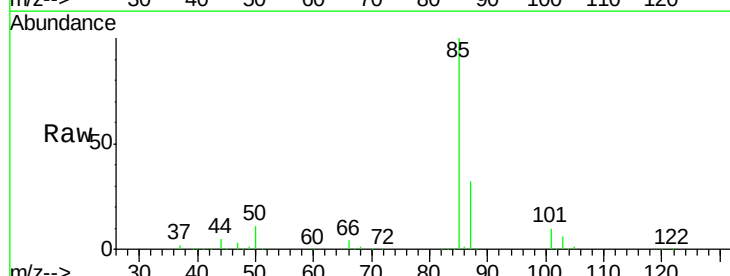
Acq: 17 Apr 2018 10:29

Tgt Ion: 85 Resp: 121997

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

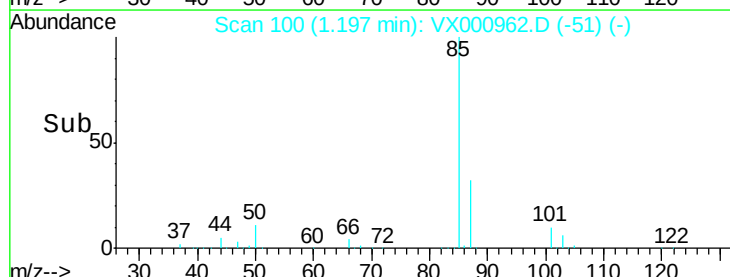
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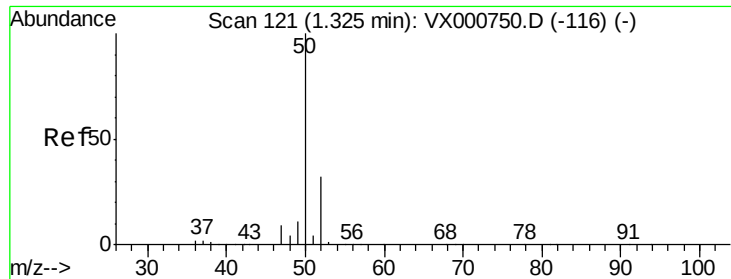
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 51.98 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 50 Resp: 110122

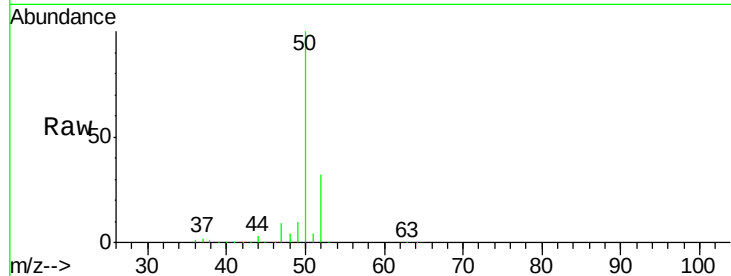
Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8

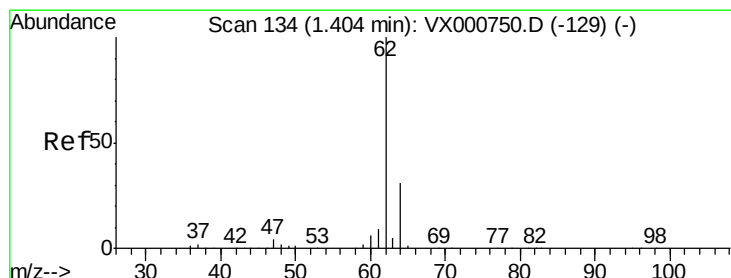
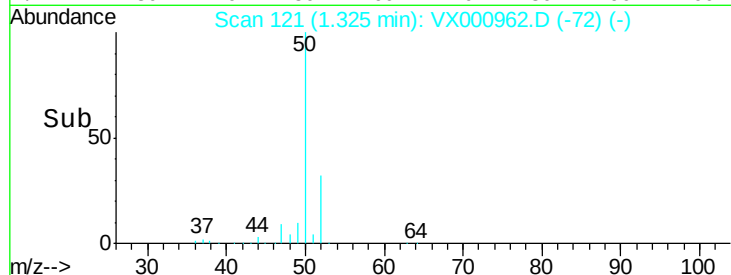
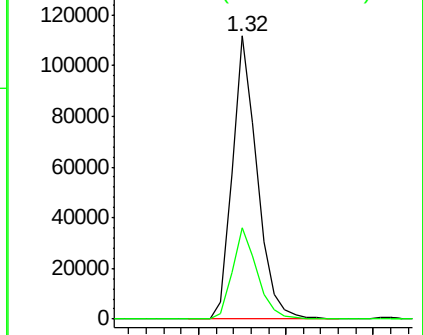
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.64 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000962.D

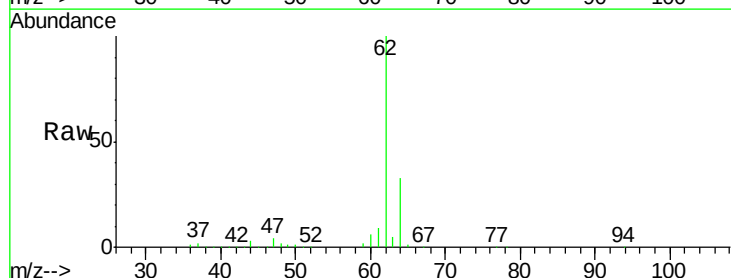
Acq: 17 Apr 2018 10:29

Tgt Ion: 62 Resp: 127811

Ion Ratio Lower Upper

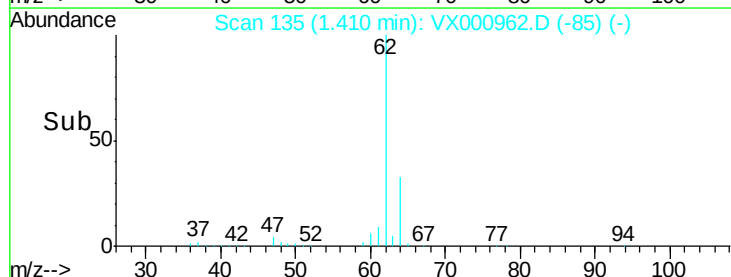
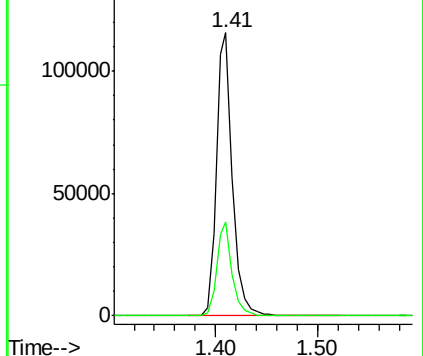
62 100

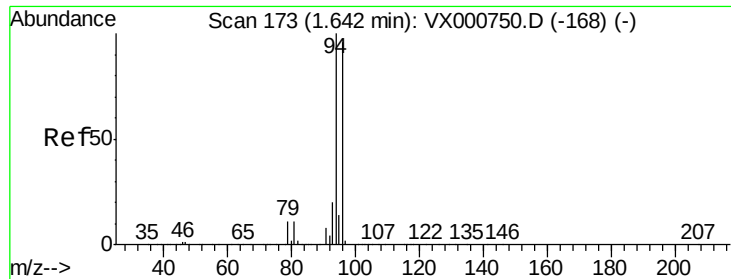
64 33.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 79.96 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 94 Resp: 78046

Ion Ratio Lower Upper

94 100

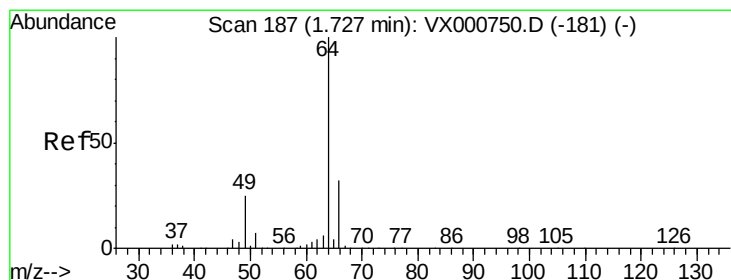
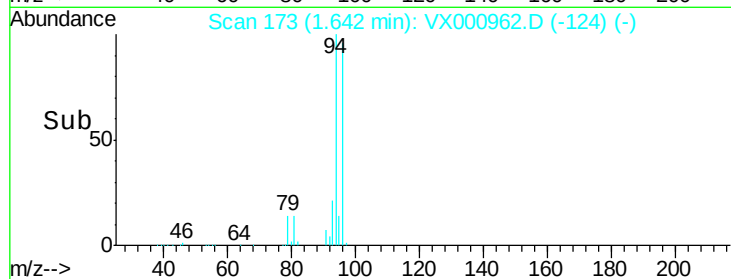
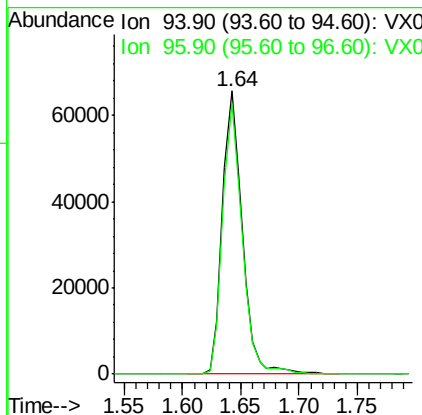
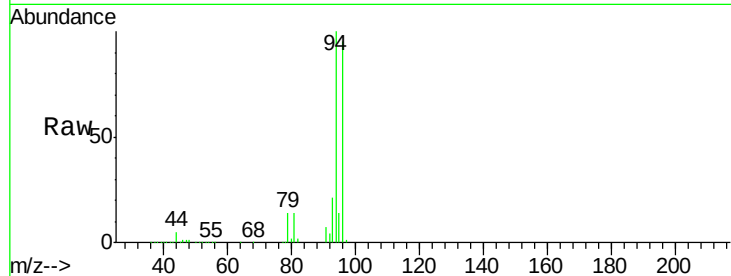
96 95.4 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 52.45 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000962.D

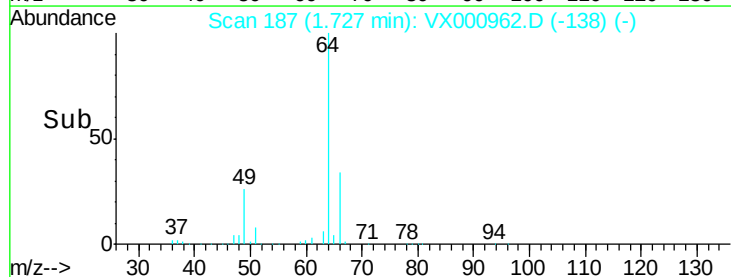
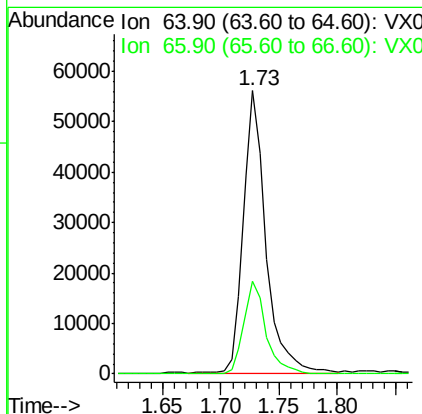
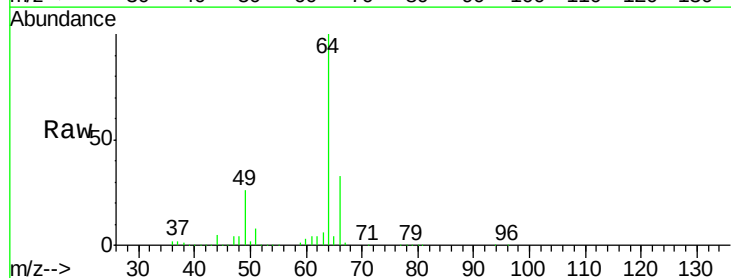
Acq: 17 Apr 2018 10:29

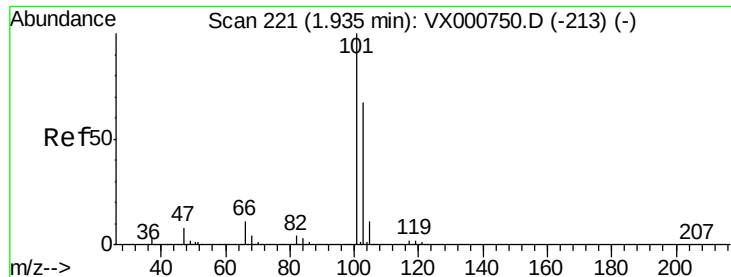
Tgt Ion: 64 Resp: 75751

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

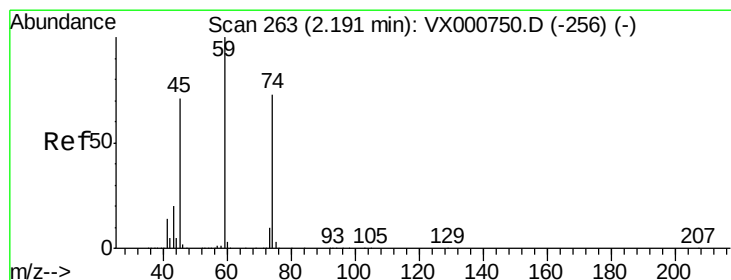
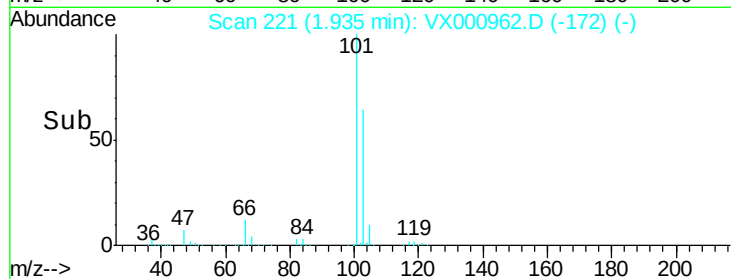
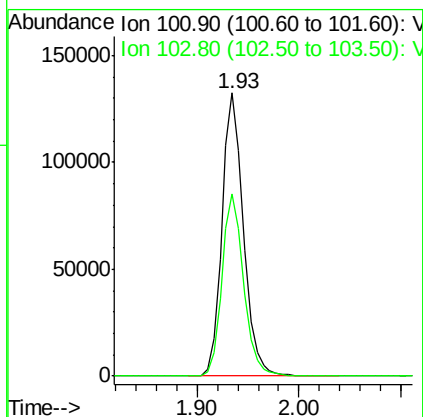
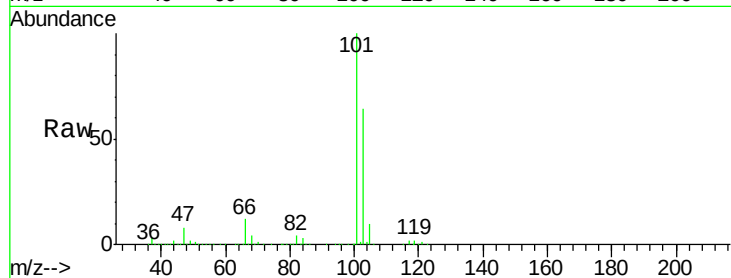
Trichlorofluoromethane
Concen: 53.95 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
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ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.2	79.8

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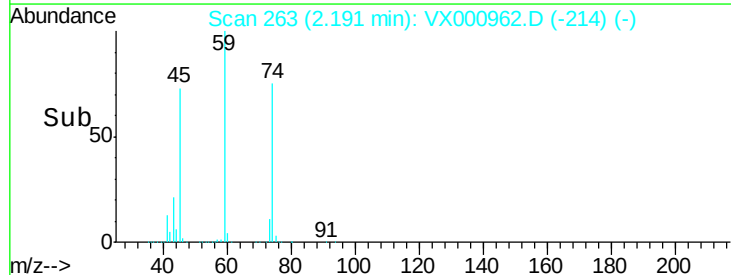
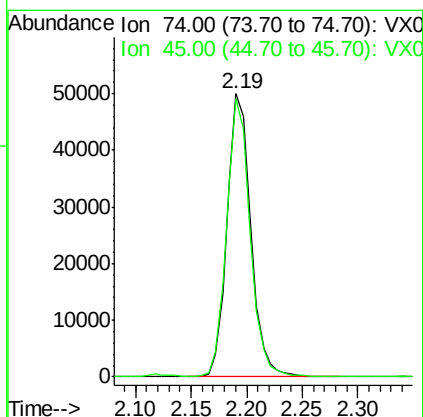
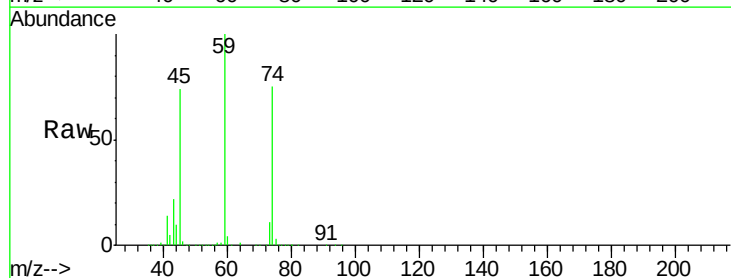
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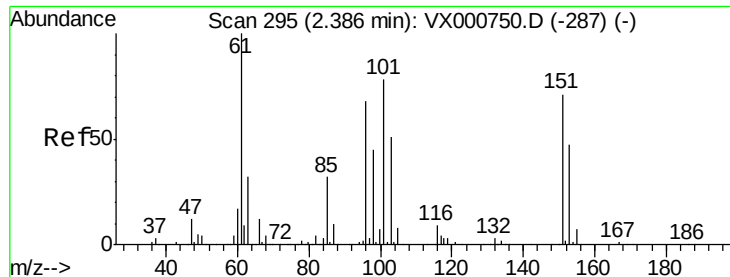


#8

Diethyl Ether
Concen: 54.99 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.04 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

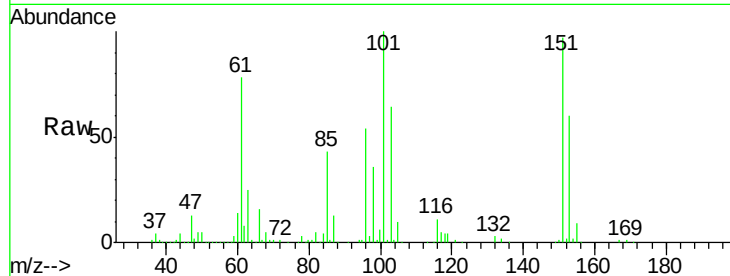
ClientSampleId :

LF012MW001-180410MS

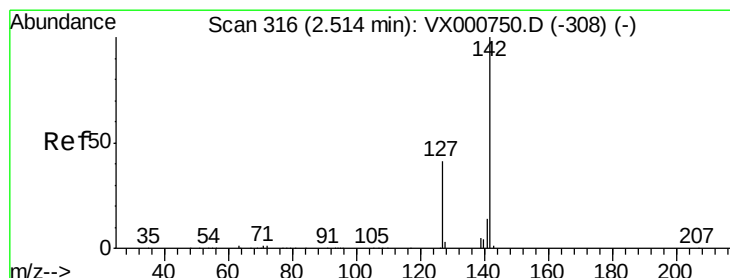
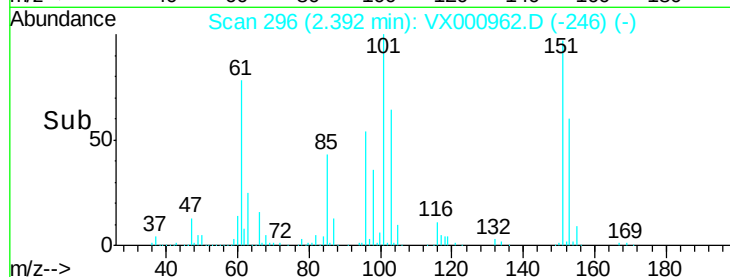
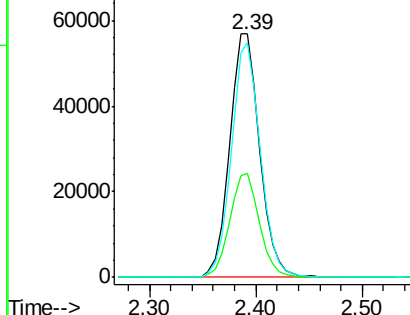
Tot Ion:	101	Resp:	112425
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.0	51.0
151	93.2	75.8	113.8

Manual Integrations
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4/18/2018 2:45:14 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.54 ug/l

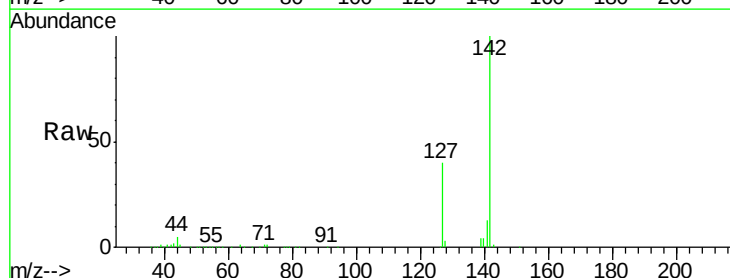
RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

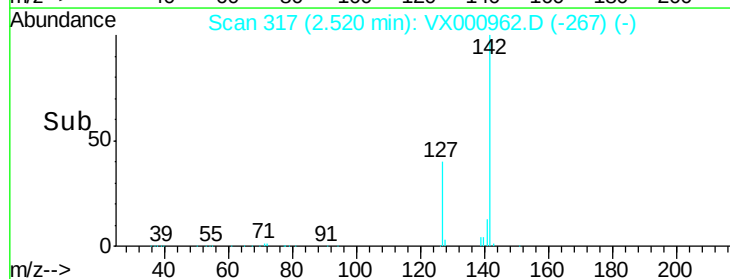
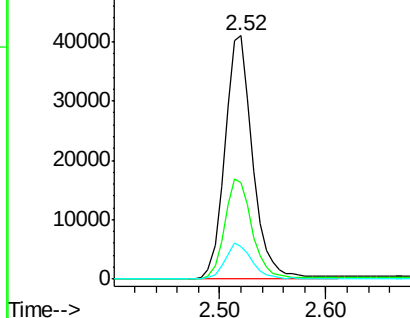
Lab File: VX000962.D

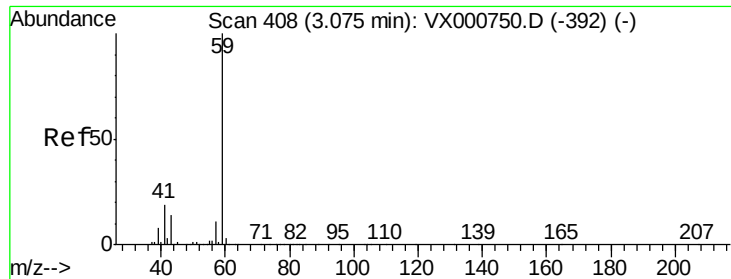
Acq: 17 Apr 2018 10:29

Tgt Ion:	142	Resp:	75660
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	49.0
141	14.4	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

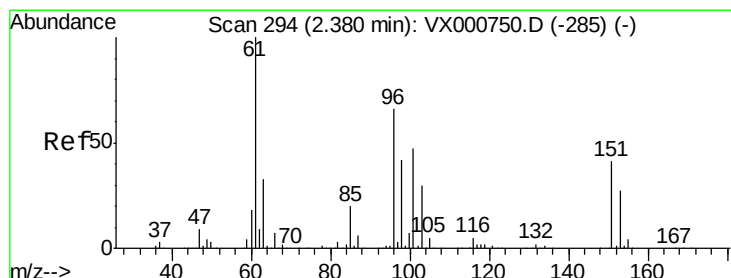
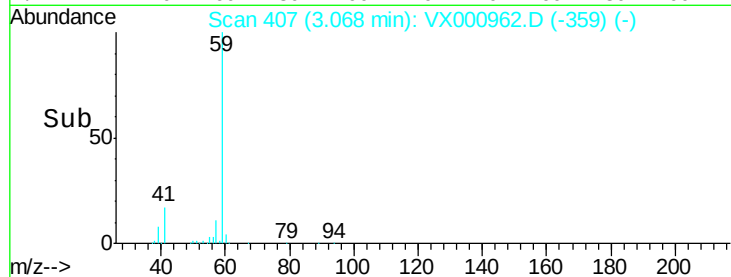
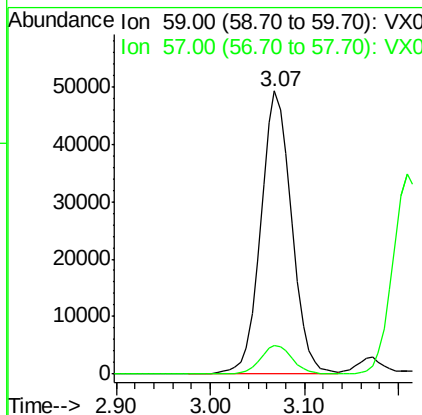
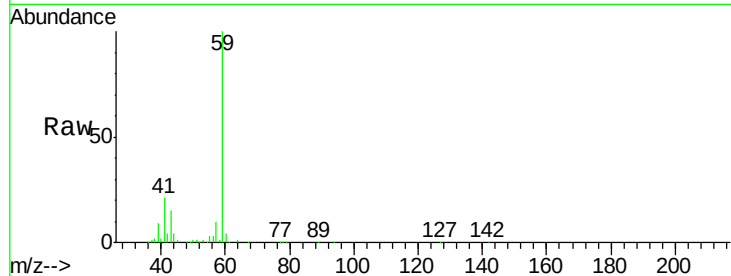
Tert butyl alcohol
Concen: 230.89 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Manual Integrations
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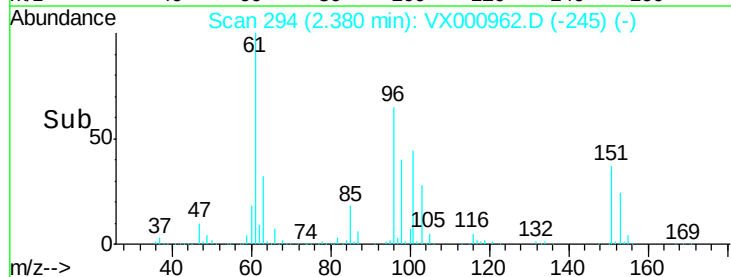
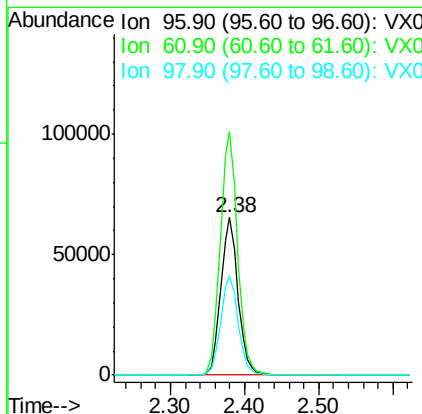
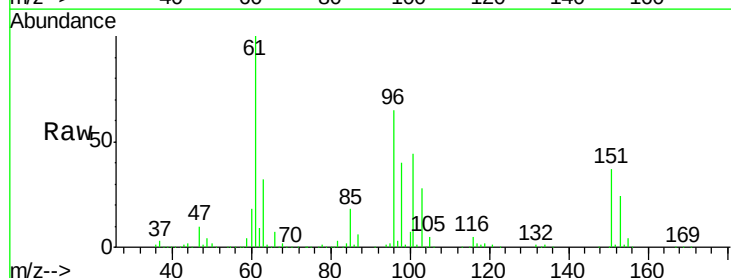
MMDadoda
4/18/2018 2:45:14 PM

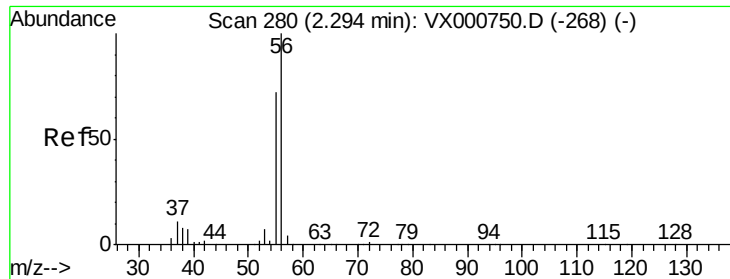


#12

1,1-Dichloroethene
Concen: 52.17 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	120.5	180.7
98	62.6	50.9	76.3





#13

Acrolein

Concen: 113.20 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 56 Resp: 26936

Ion Ratio Lower Upper

56 100

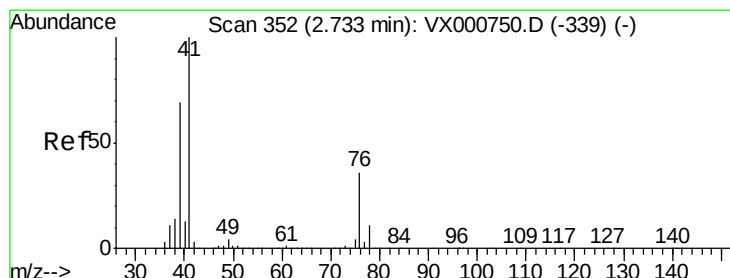
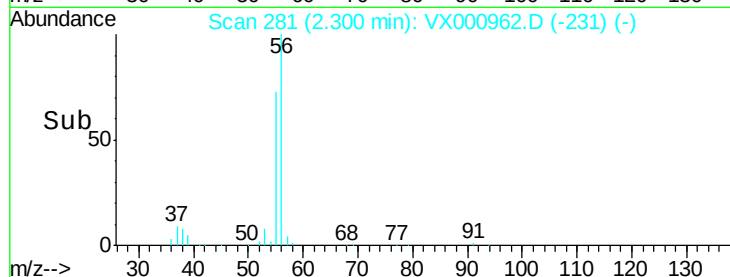
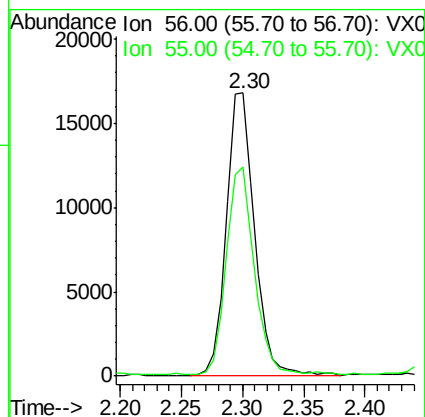
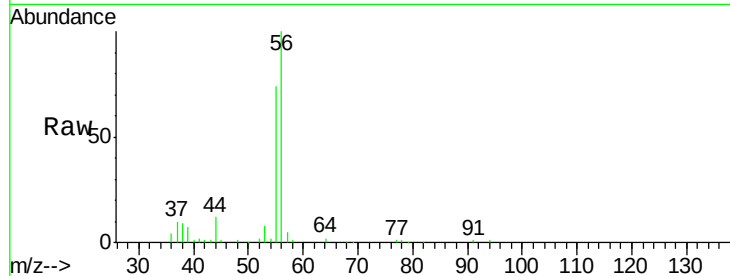
55 72.1 58.7 88.1

Manual Integrations

APPROVED

MMDadoda

4/18/2018 2:45:14 PM



#14

Allyl chloride

Concen: 50.42 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

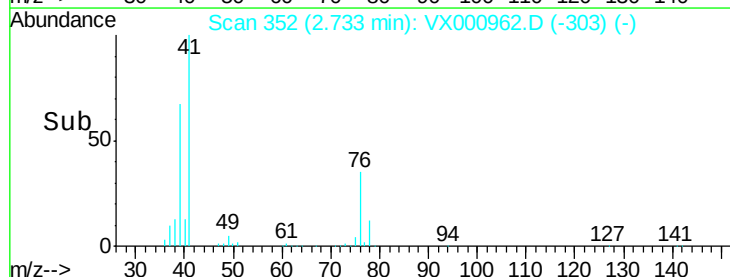
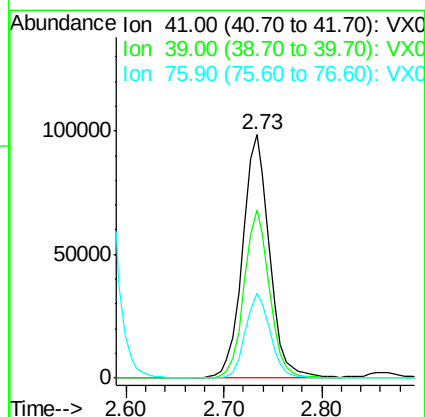
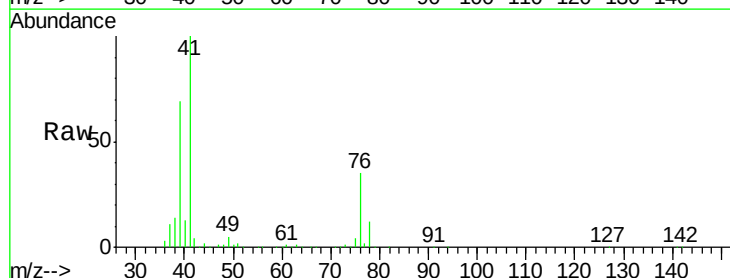
Tgt Ion: 41 Resp: 187275

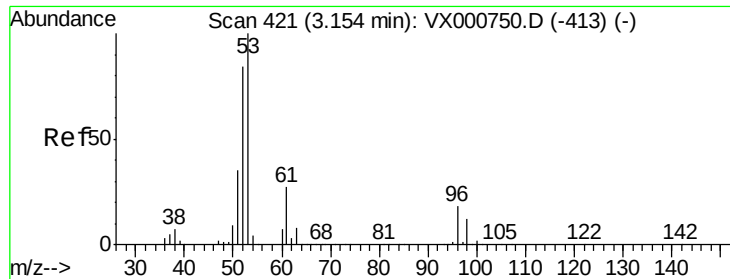
Ion Ratio Lower Upper

41 100

39 65.1 51.5 77.3

76 32.0 26.5 39.7





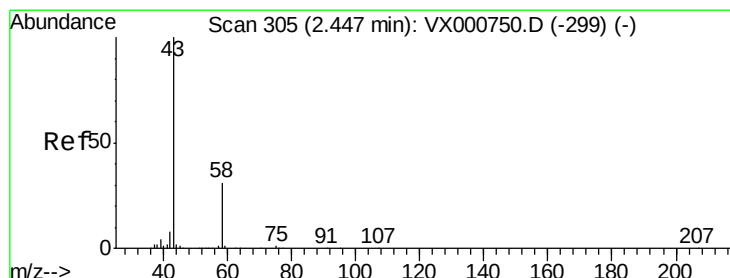
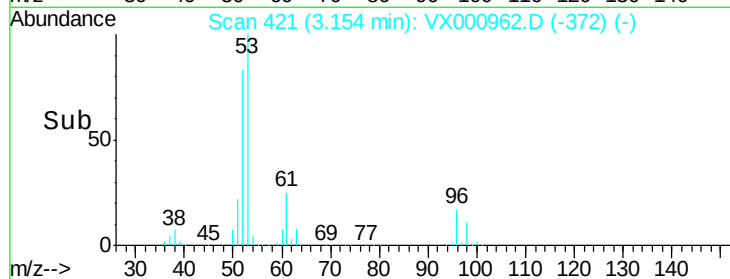
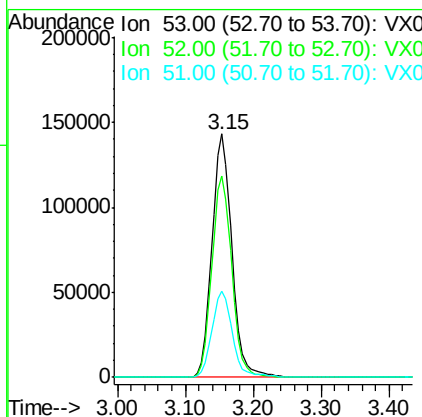
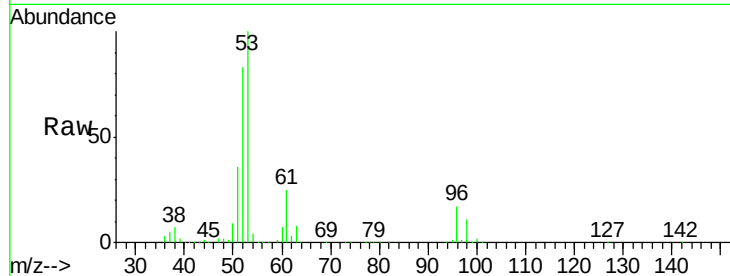
#15
 Acrylonitrile
 Concen: 277.14 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion:	53	Resp:	289516
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.5	99.7
51	36.2	28.8	43.2

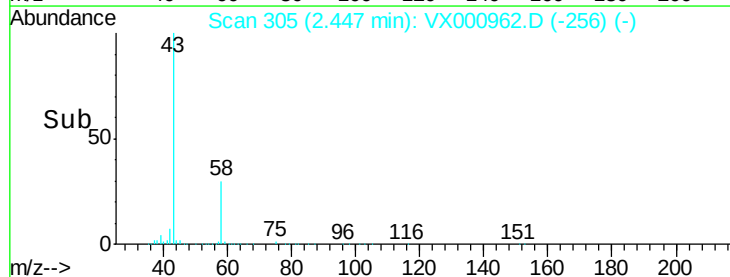
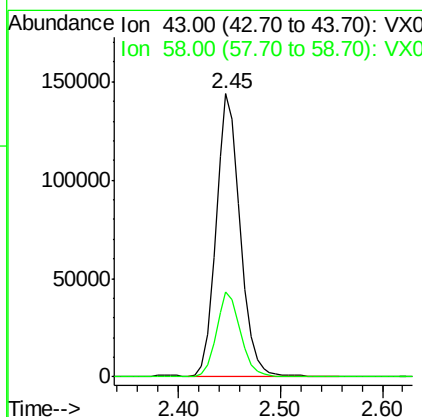
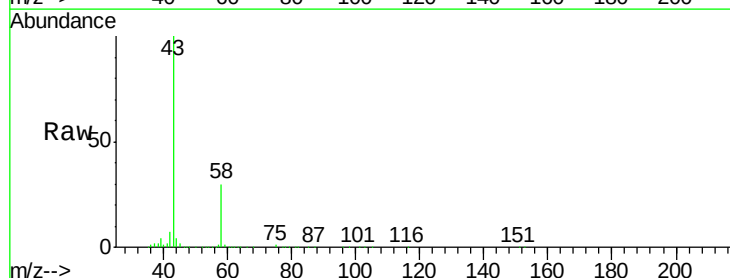
Manual Integrations
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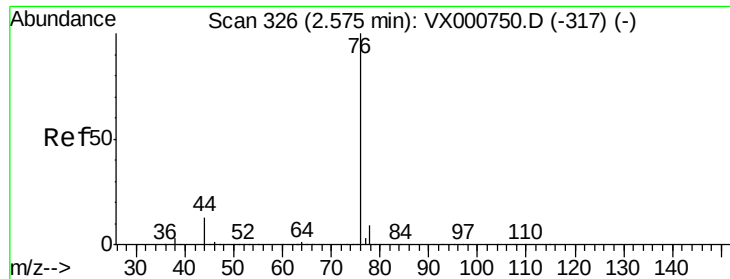
MMDadoda
 4/18/2018 2:45:14 PM



#16
 Acetone
 Concen: 247.69 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion:	43	Resp:	235734
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.6	37.0





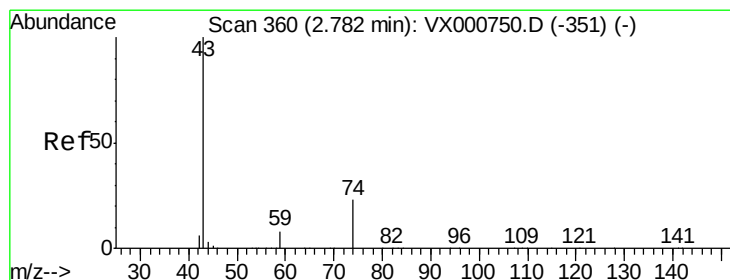
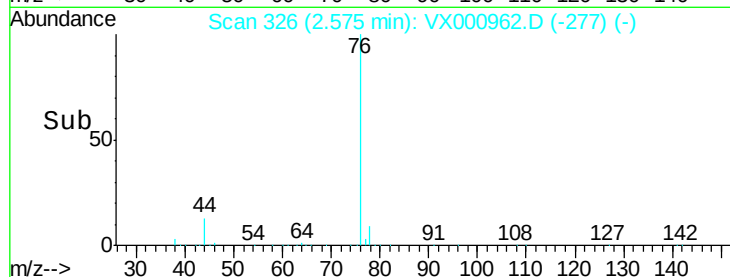
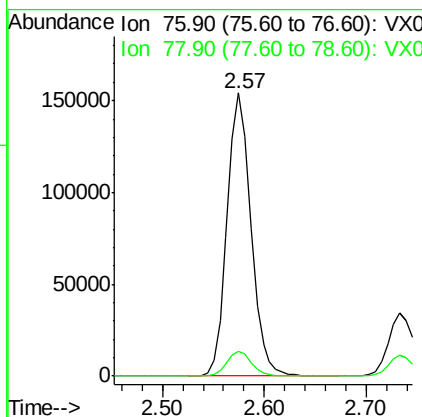
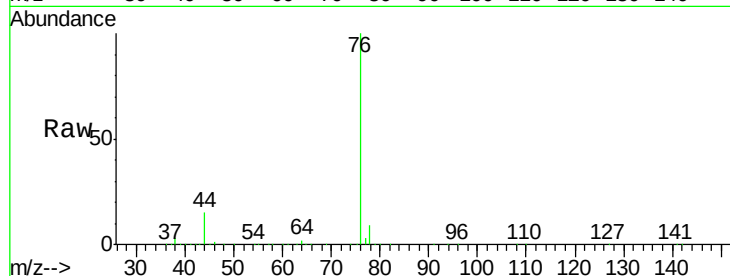
#17
Carbon Disulfide
Concen: 41.05 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion: 76 Resp: 249739
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

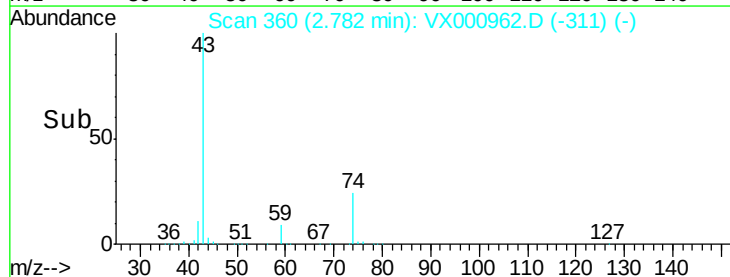
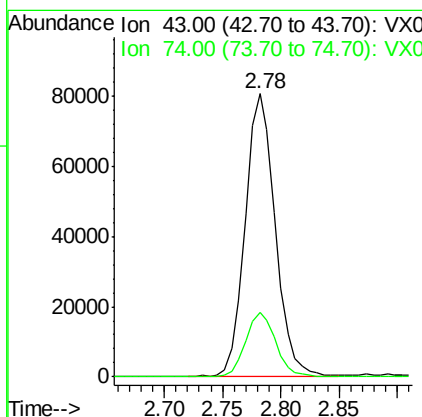
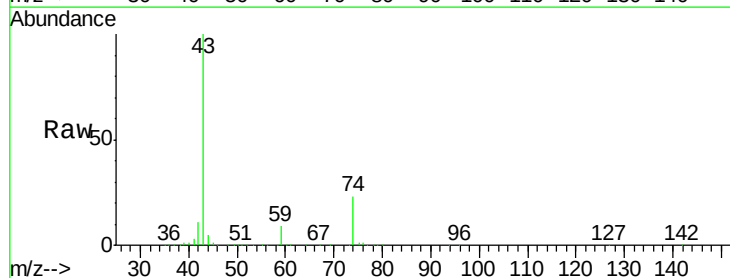
Manual Integrations
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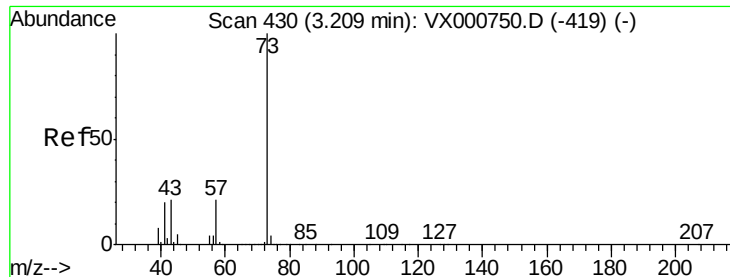
MMDadoda
4/18/2018 2:45:14 PM



#18
Methyl Acetate
Concen: 58.74 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion: 43 Resp: 144675
Ion Ratio Lower Upper
43 100
74 23.3 19.1 28.7





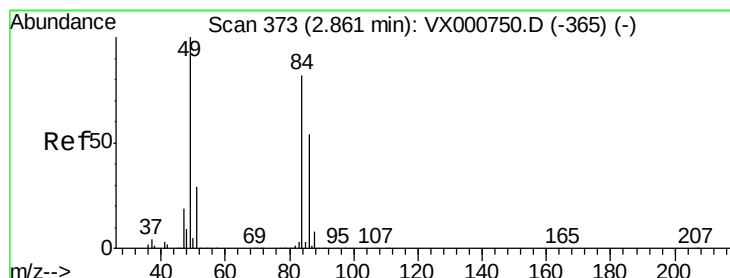
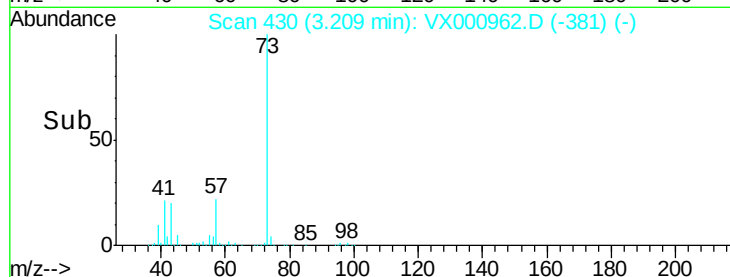
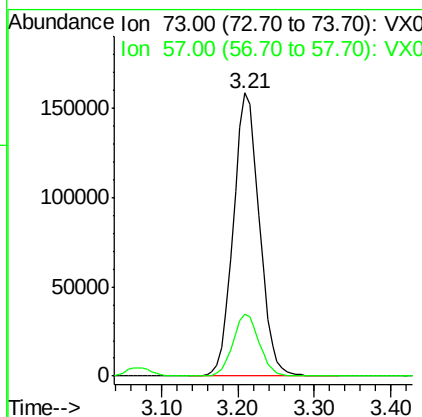
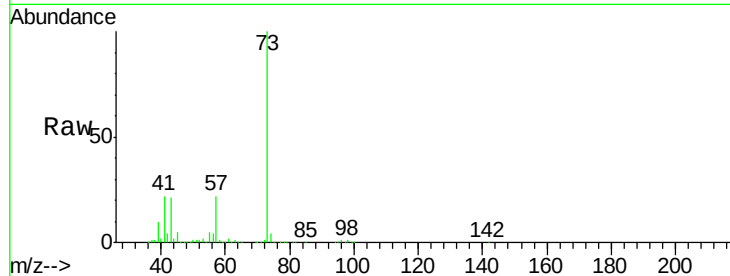
#19
Methyl tert-butyl Ether
Concen: 55.90 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.9	25.3

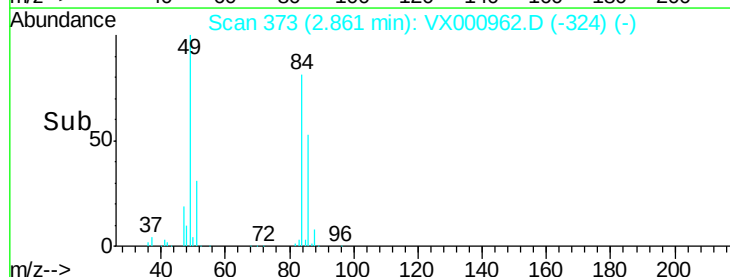
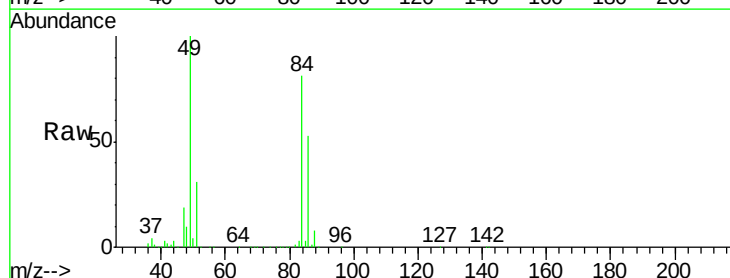
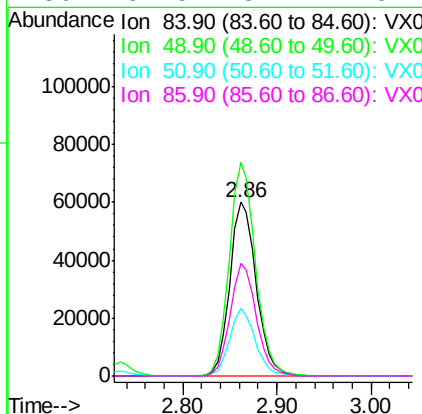
Manual Integrations
APPROVED

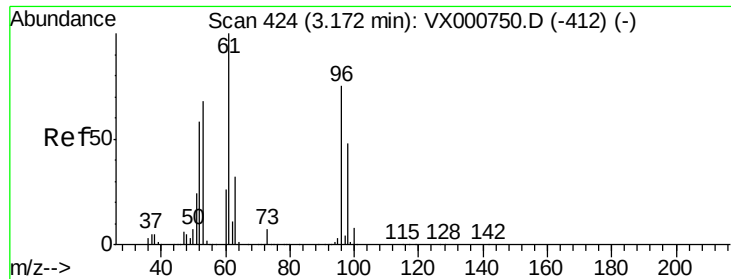
MMDadoda
4/18/2018 2:45:14 PM



#20
Methylene Chloride
Concen: 52.97 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	98.1	147.1
51	38.5	28.9	43.3
86	64.5	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 51.26 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

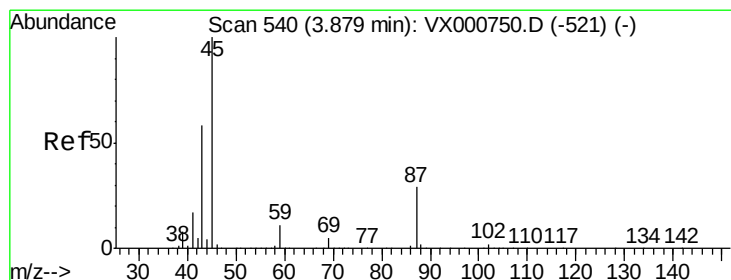
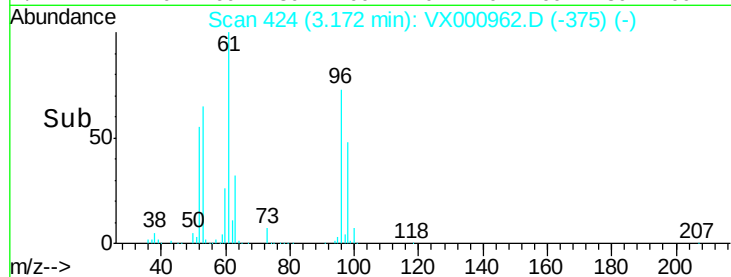
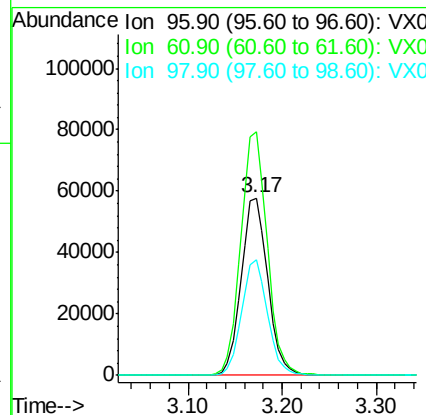
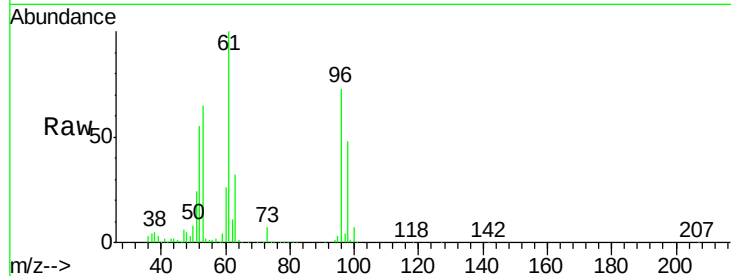
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	96	Resp:	113546
Ion	Ratio	Lower	Upper
96	100		
61	137.4	106.2	159.2
98	65.4	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:14 PM



#22

Diisopropyl ether

Concen: 58.09 ug/l

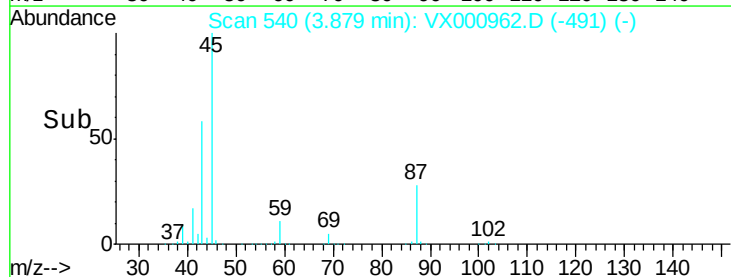
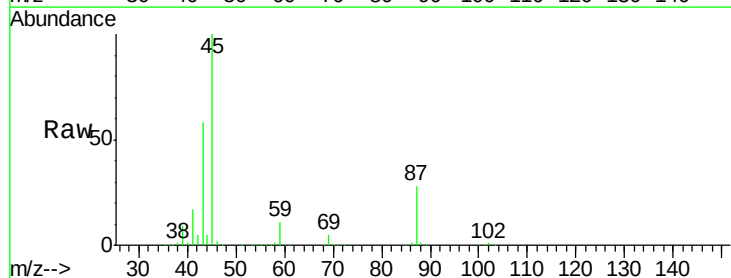
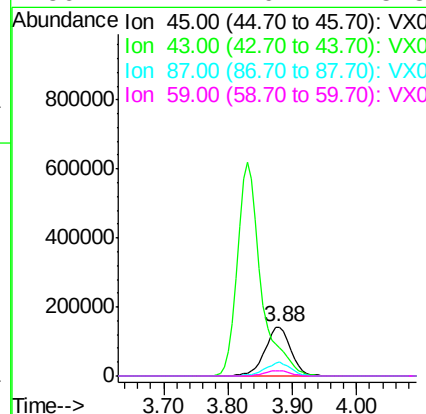
RT: 3.88 min Scan# 540

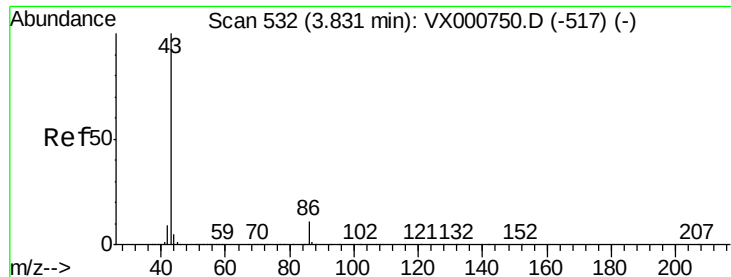
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	45	Resp:	396587
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.6	69.8
87	27.6	22.9	34.3
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 266.47 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 43 Resp: 1597134

Ion Ratio Lower Upper

43 100

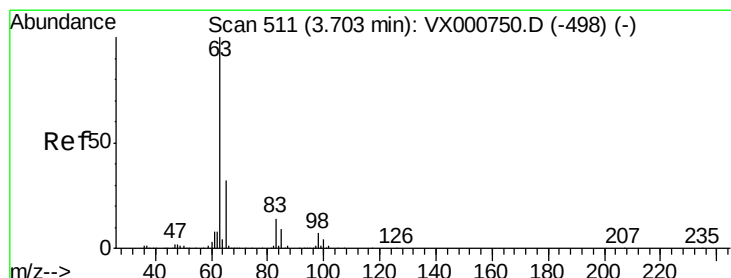
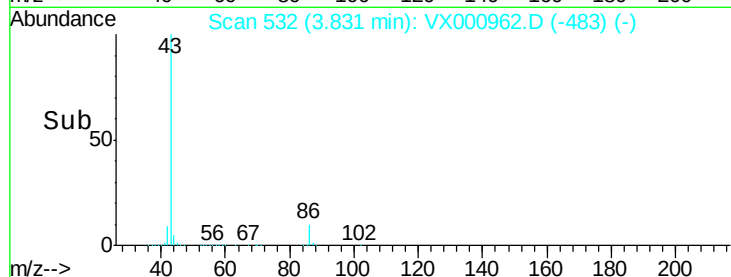
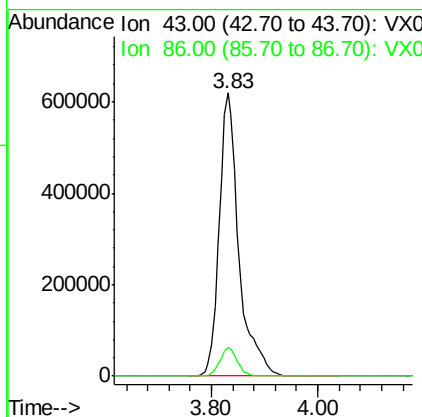
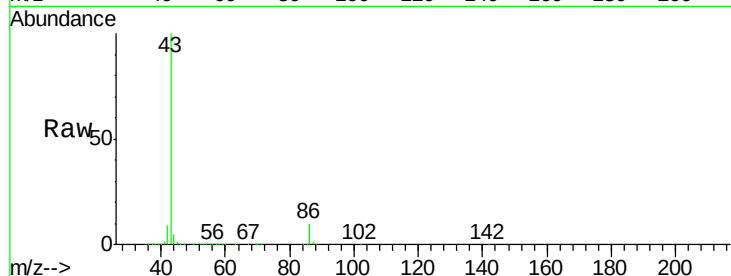
86 10.0 8.6 12.8

Manual Integrations

APPROVED

MMDadoda

4/18/2018 2:45:14 PM



#24

1,1-Dichloroethane

Concen: 56.10 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

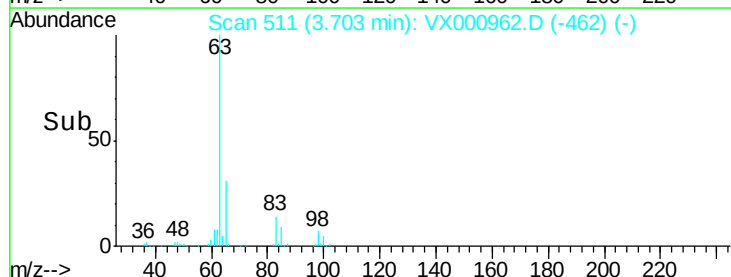
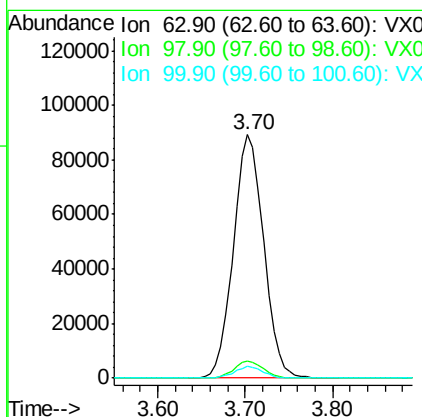
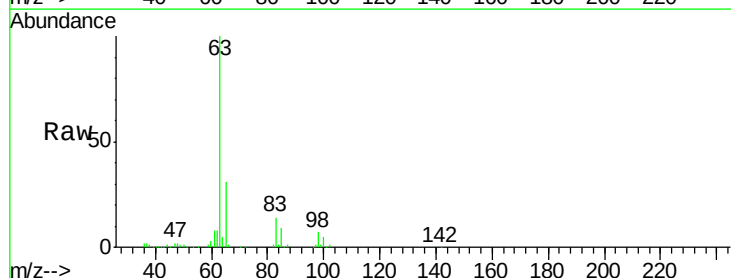
Tgt Ion: 63 Resp: 214880

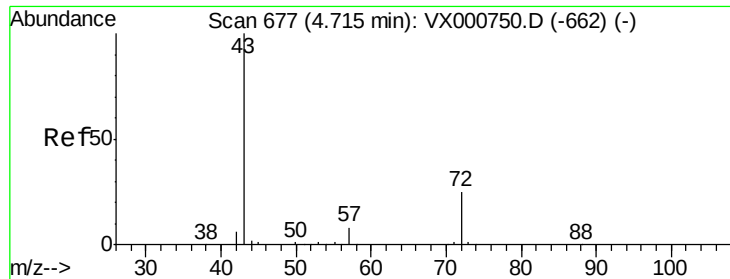
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.7 2.1 6.3





#25

2-Butanone

Concen: 260.36 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 43 Resp: 409192

Ion Ratio Lower Upper

43 100

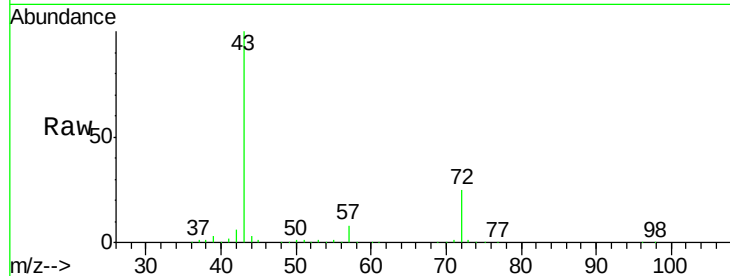
72 25.1 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

4/18/2018 2:45:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

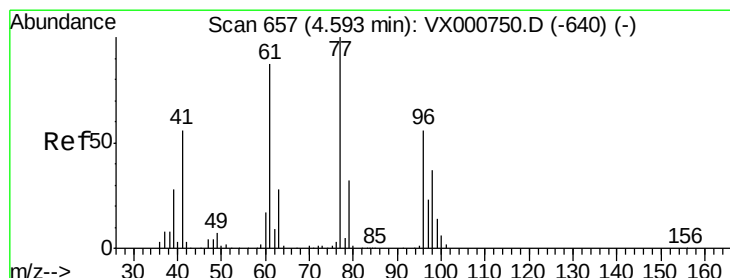
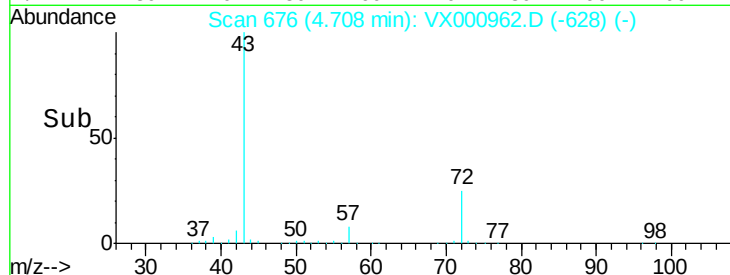
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 35.80 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000962.D

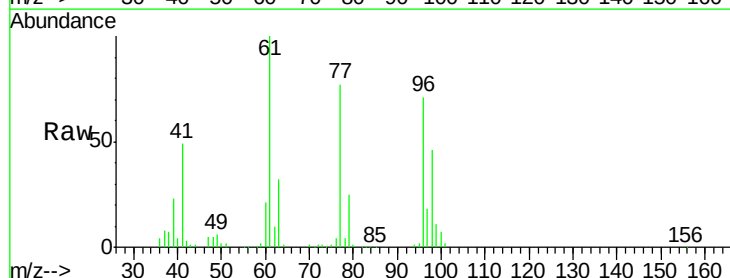
Acq: 17 Apr 2018 10:29

Tgt Ion: 77 Resp: 136132

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

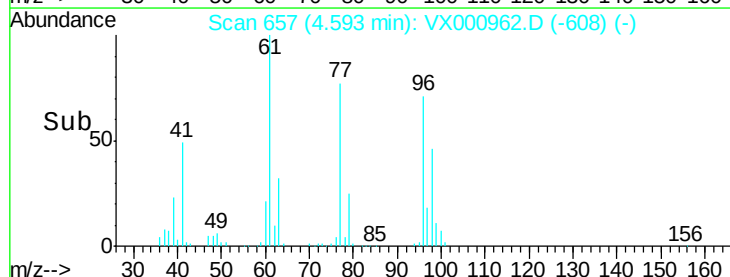
20000

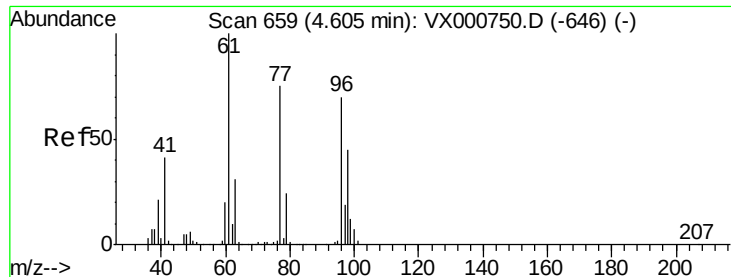
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 59.13 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

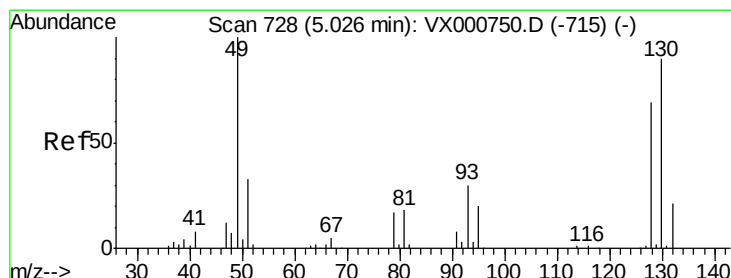
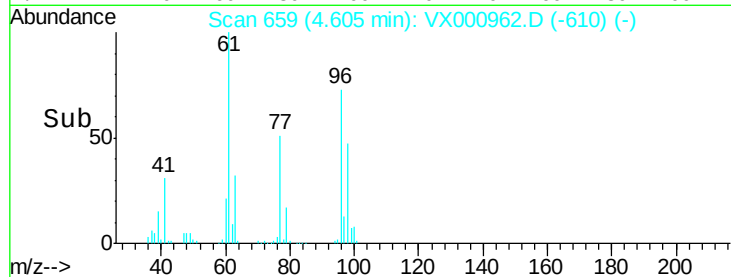
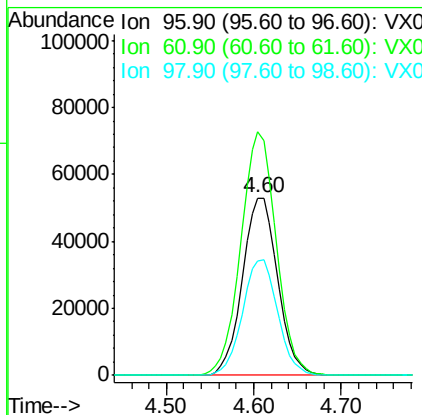
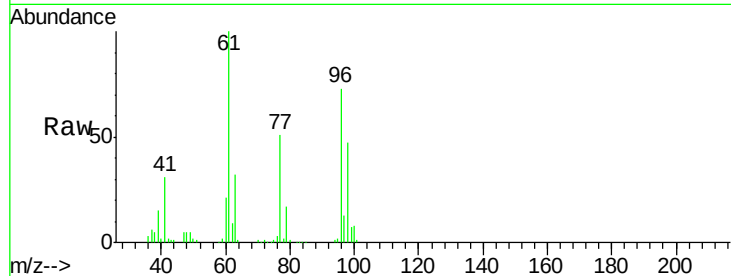
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	96	Resp:	148651
Ion Ratio	Lower	Upper	
96	100		
61	138.0	0.0	292.4
98	65.1	0.0	130.2

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4/18/2018 2:45:14 PM



#28

Bromochloromethane

Concen: 51.74 ug/l

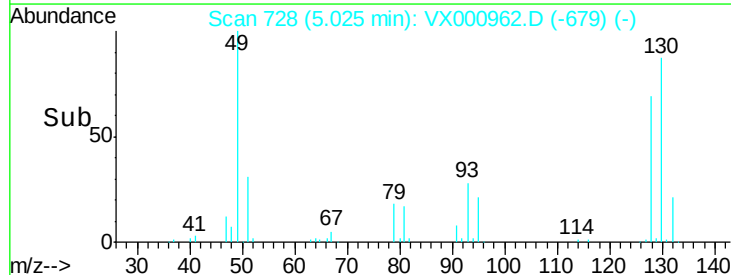
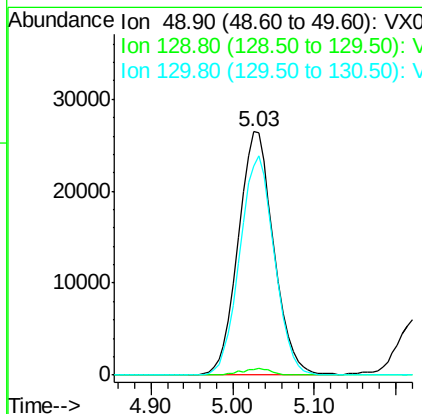
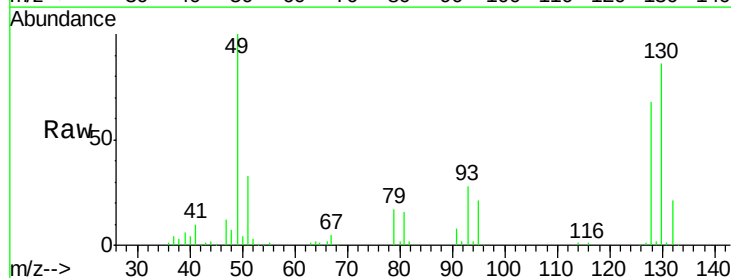
RT: 5.03 min Scan# 728

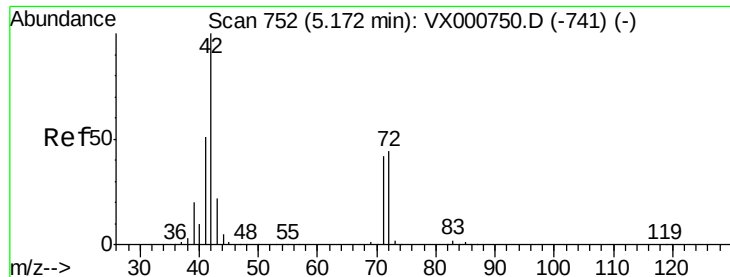
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	49	Resp:	79805
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	5.2
130	88.0	72.6	109.0





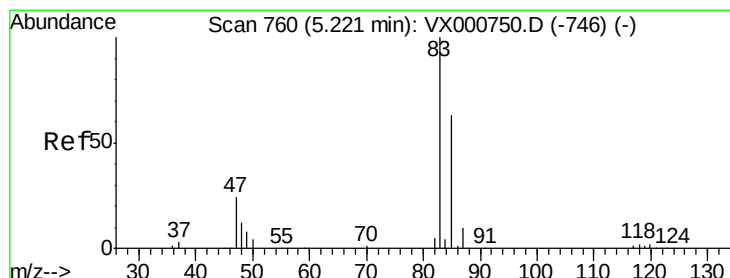
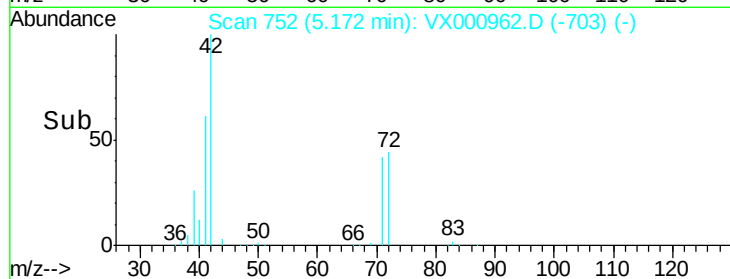
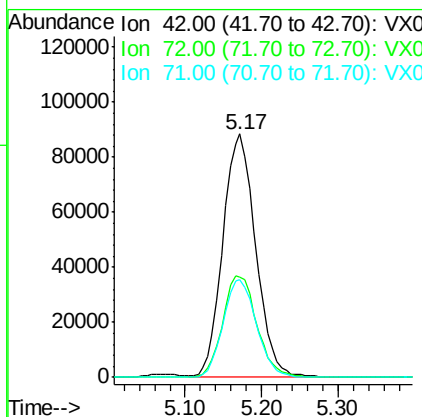
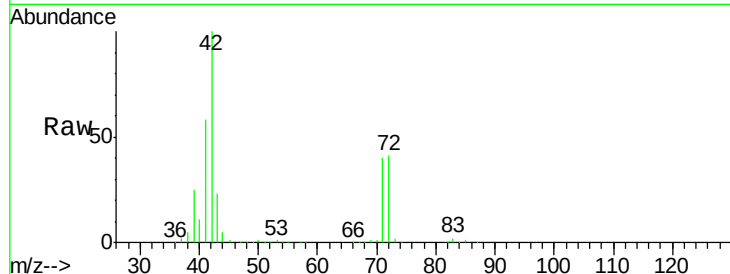
#29
Tetrahydrofuran
Concen: 262.03 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.1	52.7
71	40.9	32.8	49.2

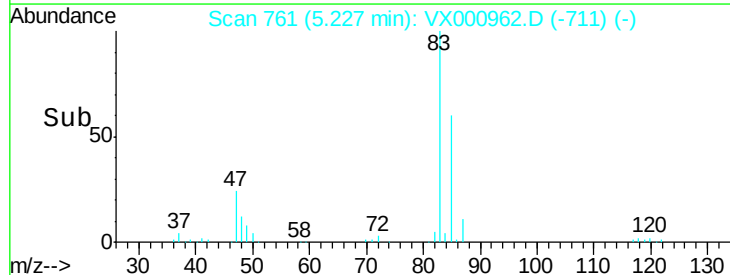
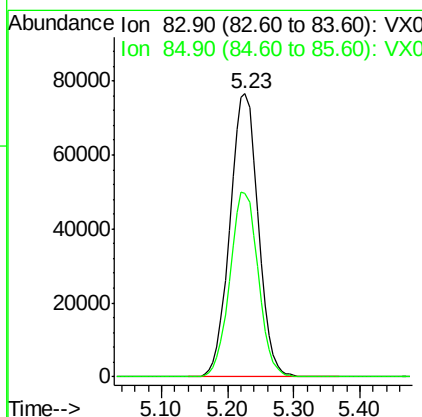
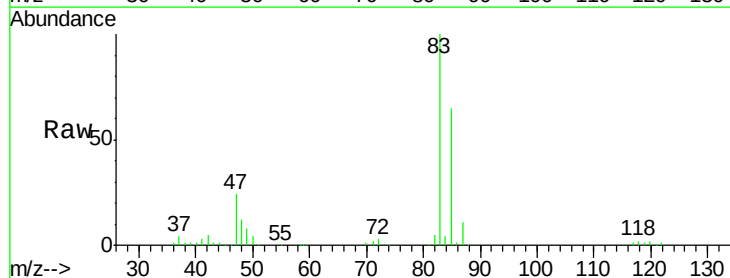
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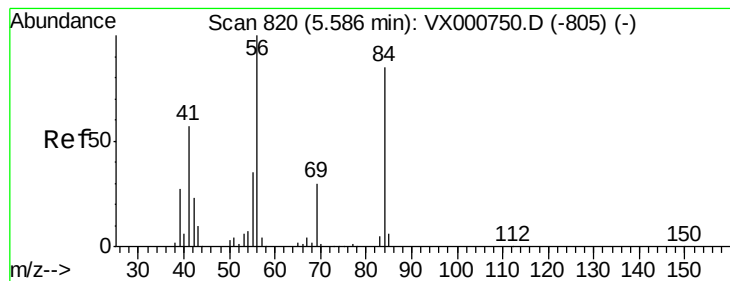
MMDadoda
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#30
Chloroform
Concen: 55.95 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





#31

Cyclohexane

Concen: 50.27 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

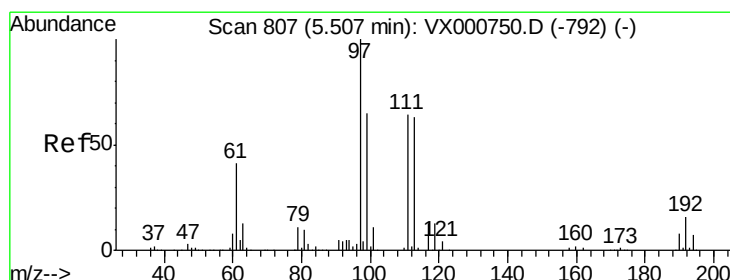
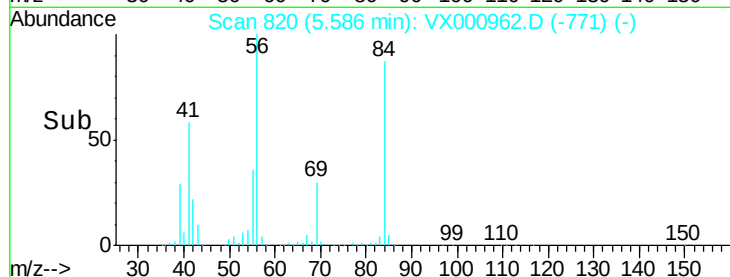
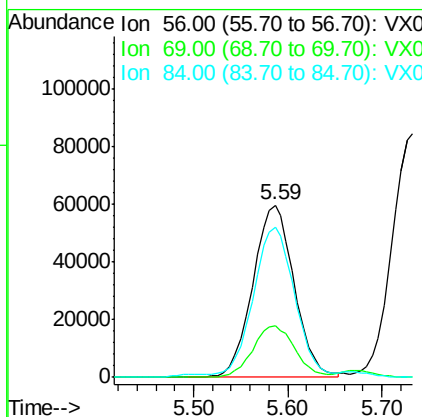
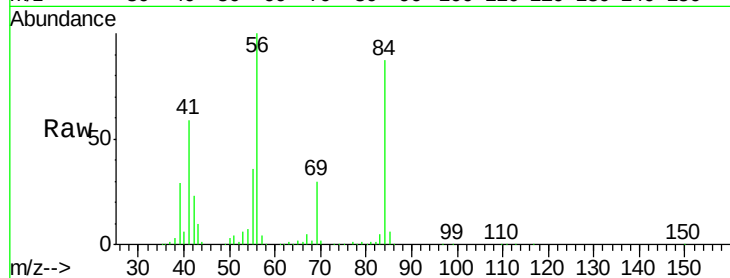
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	56	Resp:	182883
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.2	36.4
84	85.8	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.70 ug/l

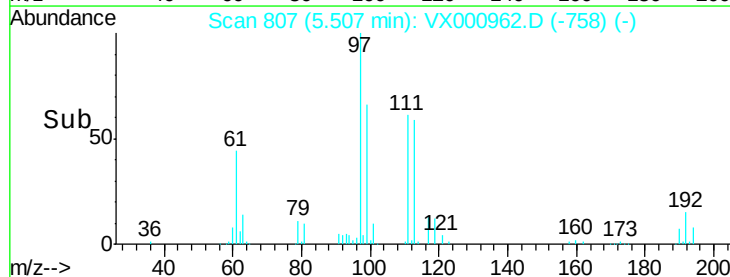
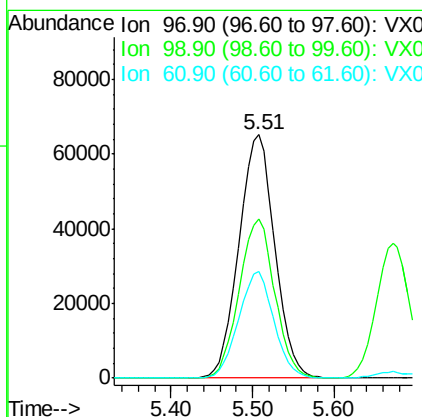
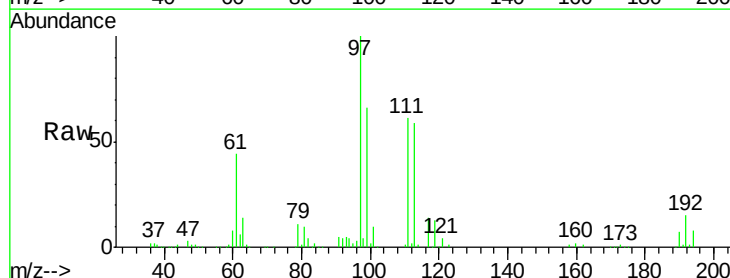
RT: 5.51 min Scan# 807

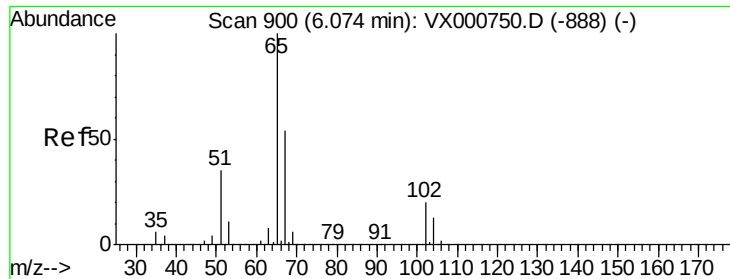
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	97	Resp:	199762
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	43.1	33.7	50.5





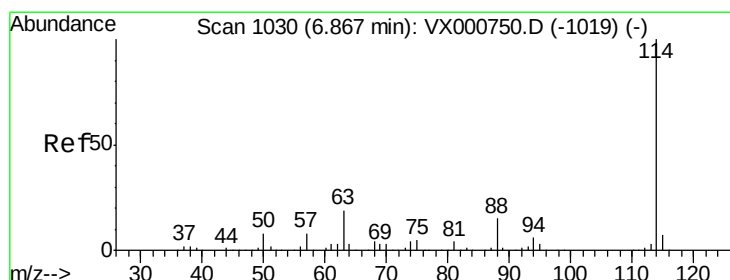
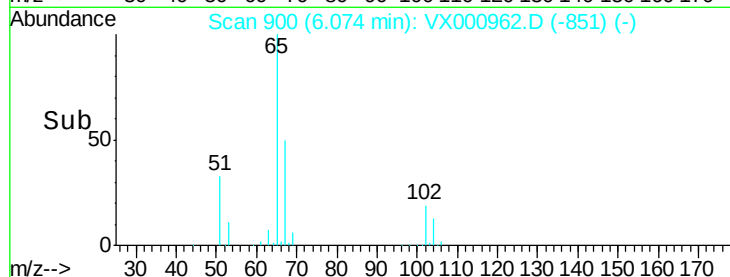
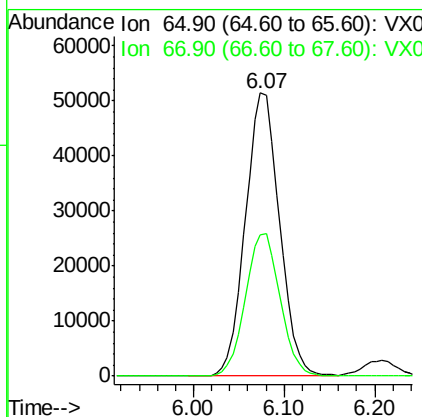
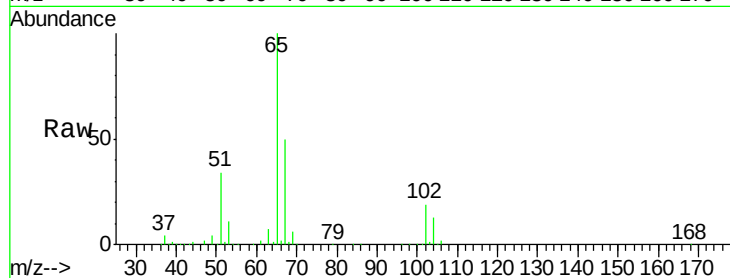
#33
 1,2-Dichloroethane-d4
 Concen: 48.70 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.8

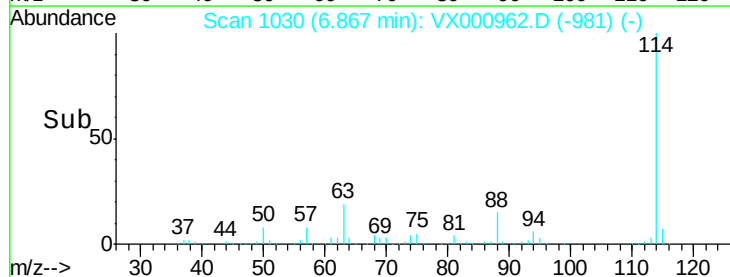
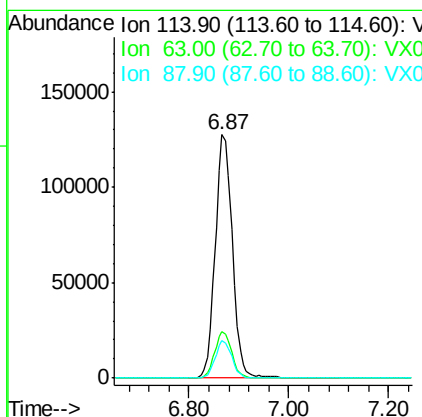
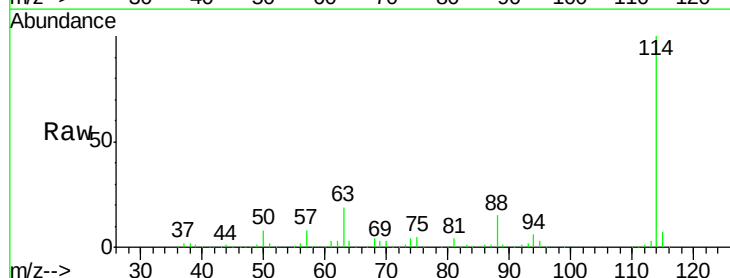
Manual Integrations
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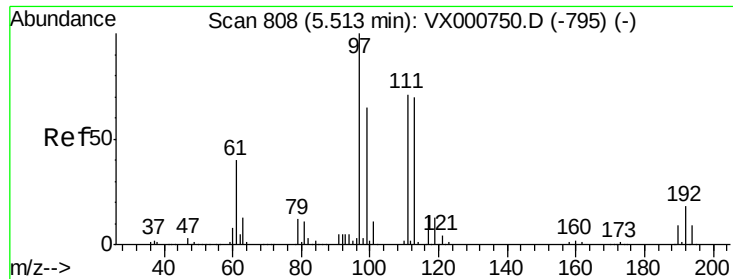
MMDadoda
 4/18/2018 2:45:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.4
88	15.4	0.0	31.0





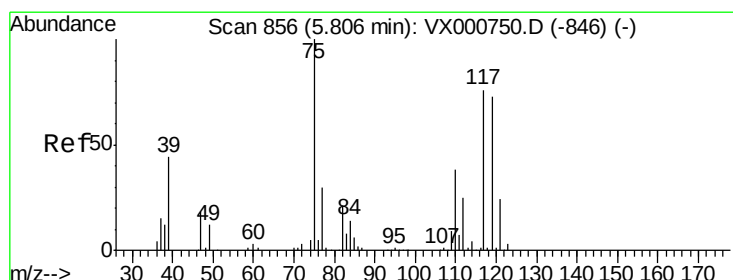
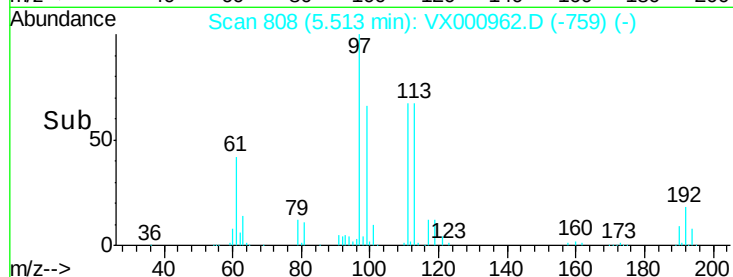
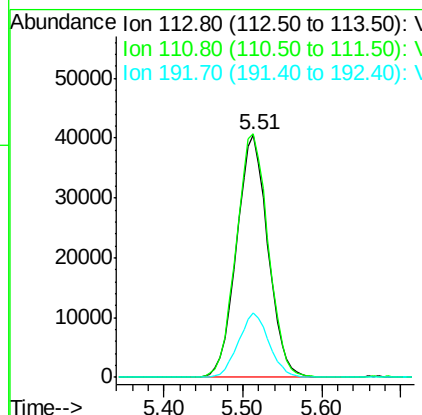
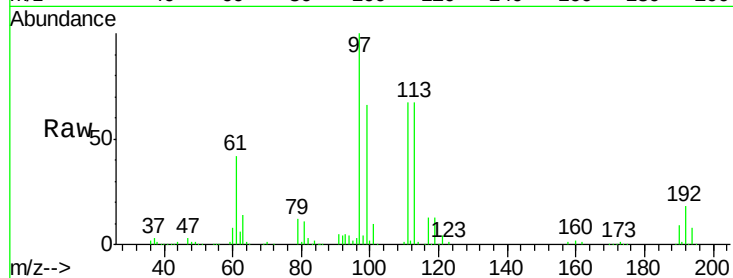
#35
 Dibromofluoromethane
 Concen: 47.72 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111829		
111	102.9	81.5	122.3	
192	26.0	20.4	30.6	

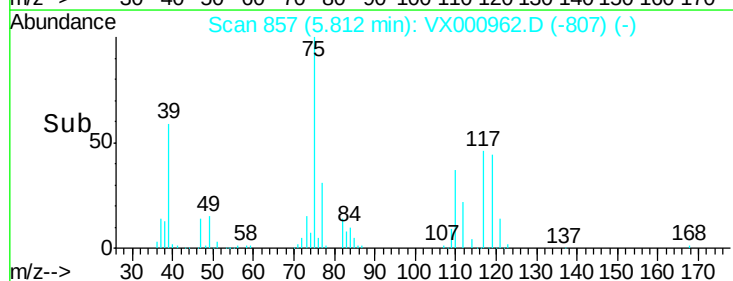
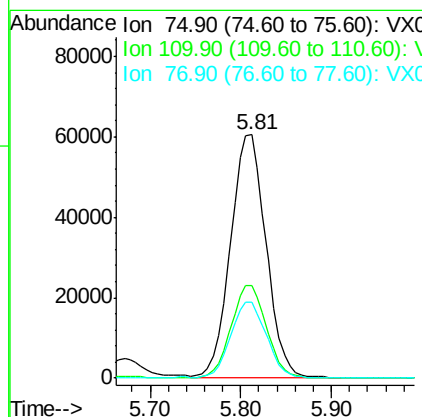
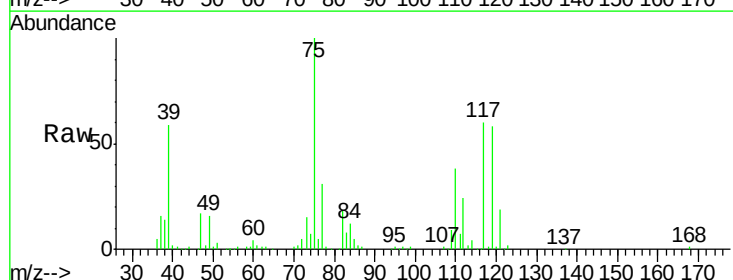
Manual Integrations
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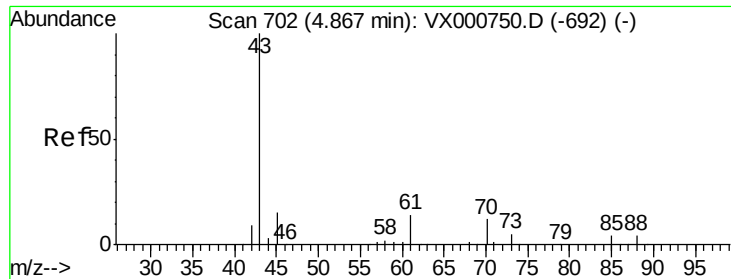
MMDadoda
 4/18/2018 2:45:14 PM



#36
 1,1-Dichloropropene
 Concen: 48.92 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163860		
110	38.2	19.2	57.6	
77	31.7	25.4	38.2	





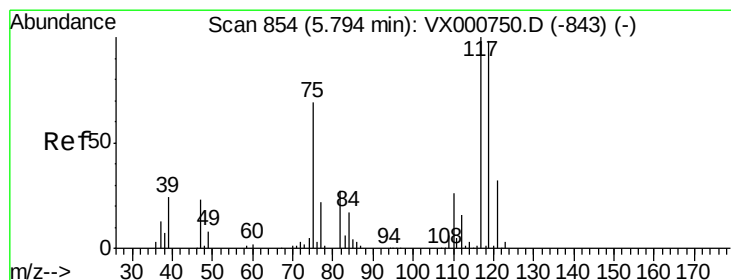
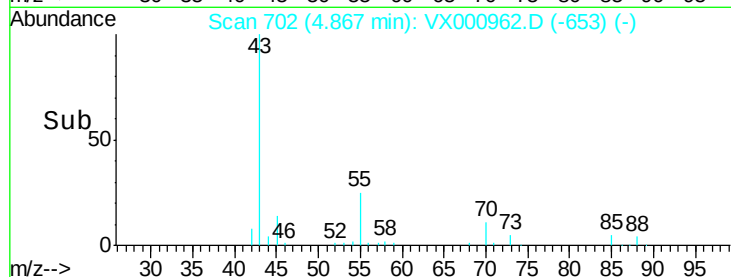
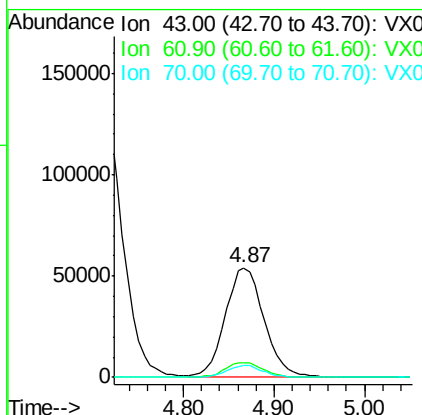
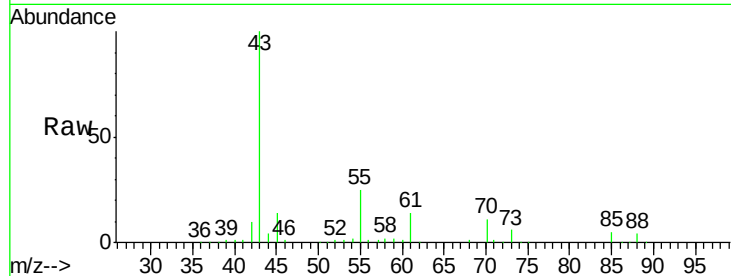
#37
Ethyl Acetate
Concen: 48.73 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.5	8.7	13.1

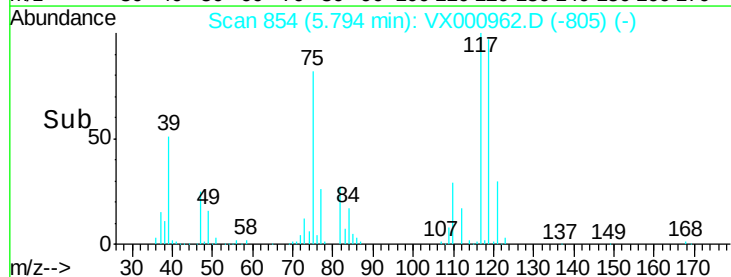
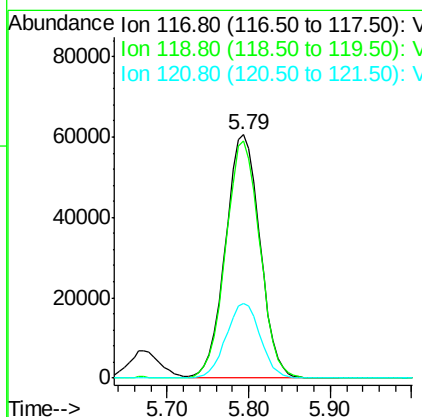
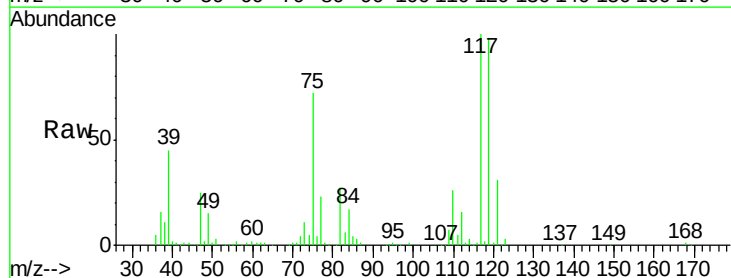
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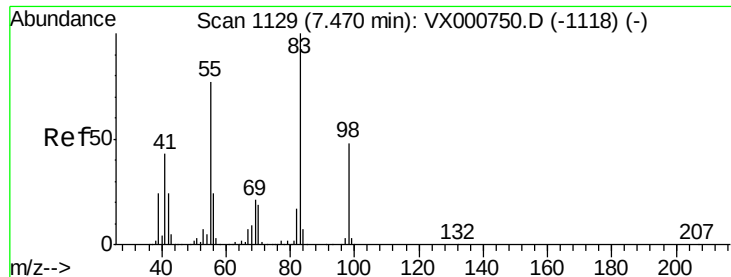
MMDadoda
4/18/2018 2:45:14 PM



#38
Carbon Tetrachloride
Concen: 47.04 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.4	117.6
121	30.6	25.4	38.0





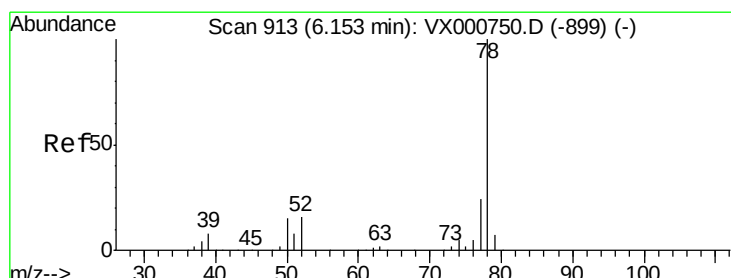
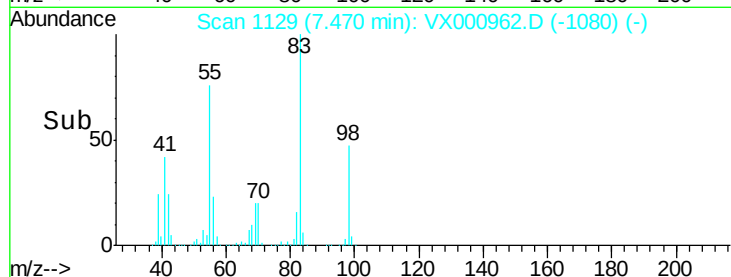
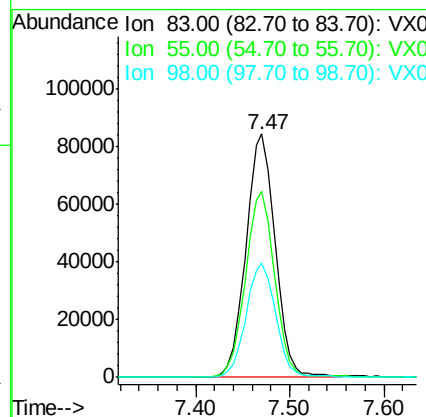
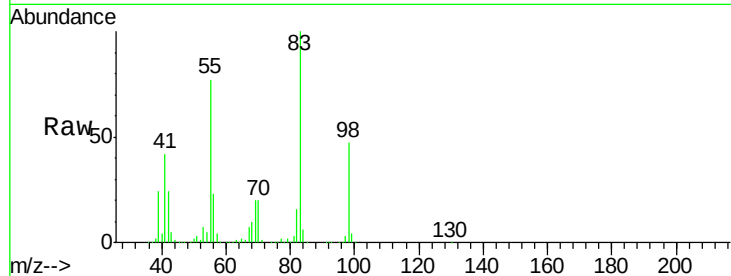
#39
Methylvlcyclohexane
Concen: 45.33 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	182338		
55	76.6		61.5	92.3
98	46.9		38.1	57.1

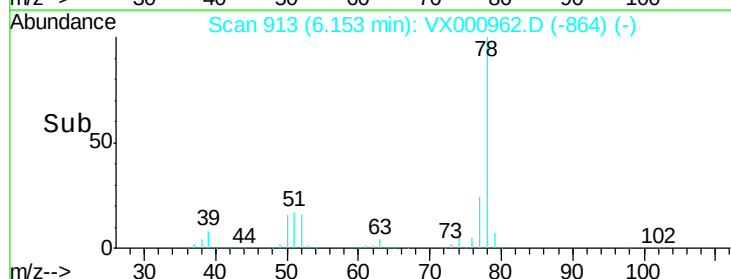
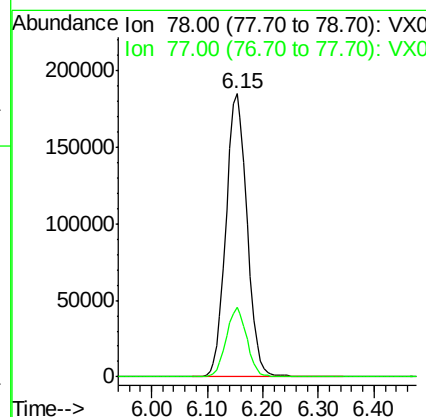
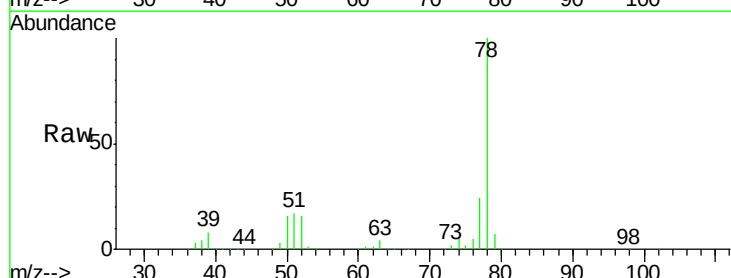
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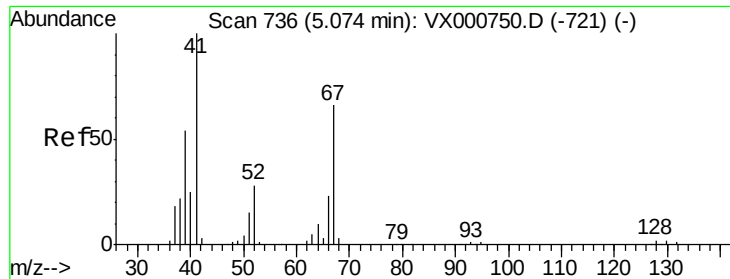
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#40
Benzene
Concen: 52.14 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	485291		
77	24.5		19.0	28.6





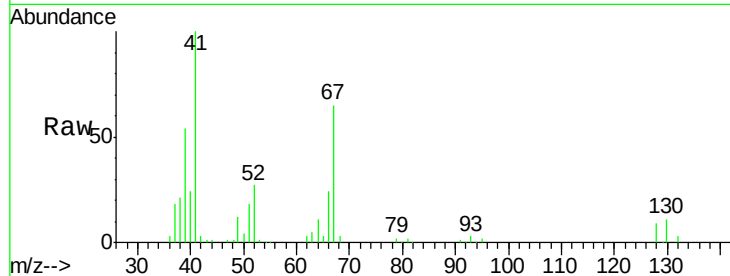
#41
Methacrylonitrile
Concen: 52.01 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

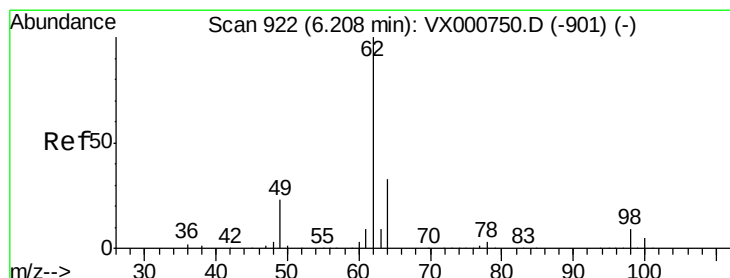
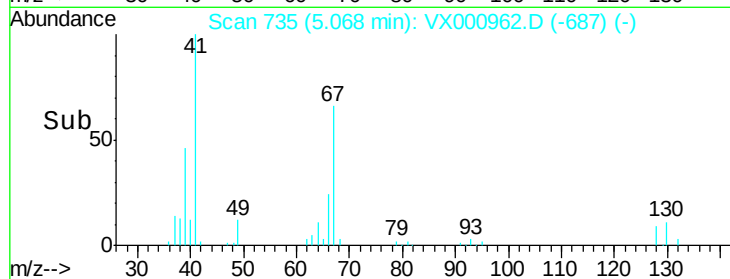
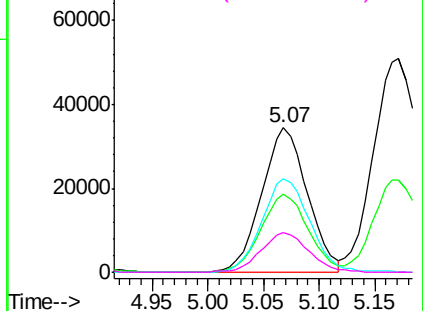
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	44.9	67.3	
67	67.8	54.7	82.1	
52	28.8	23.0	34.6	

Manual Integrations
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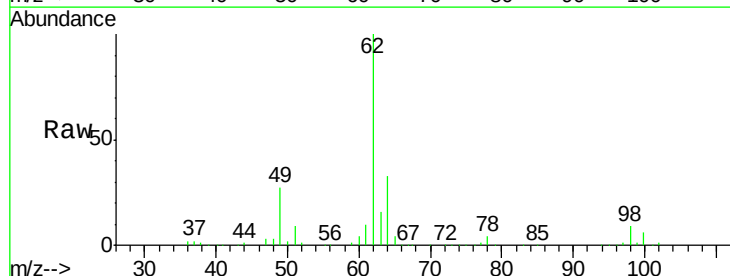


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

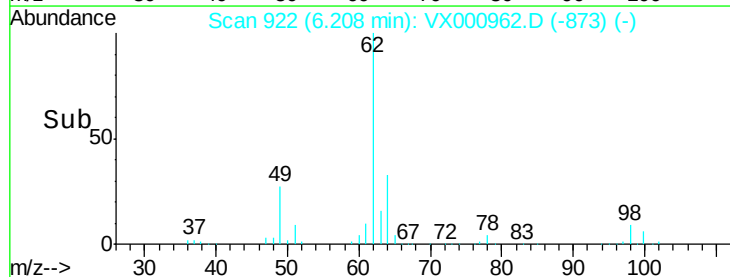
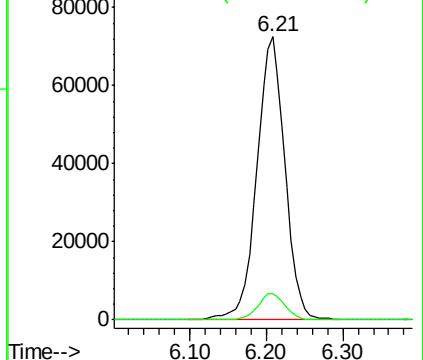


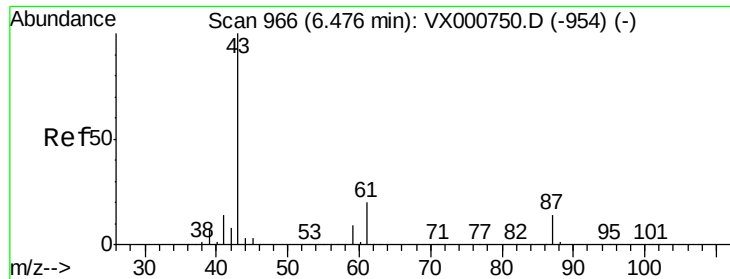
#42
1,2-Dichloroethane
Concen: 53.48 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.6	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





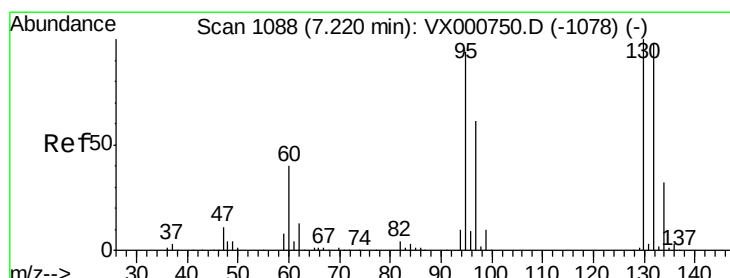
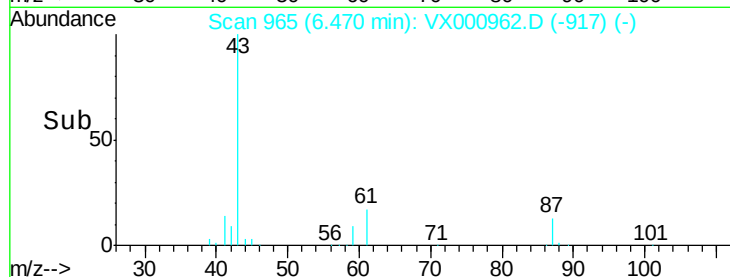
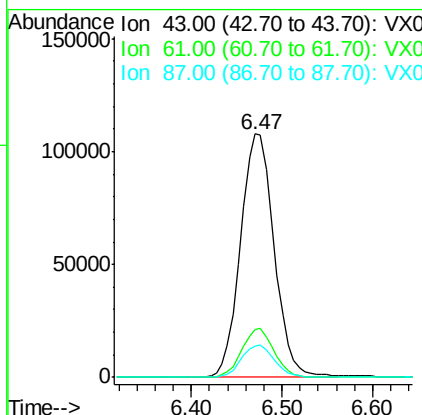
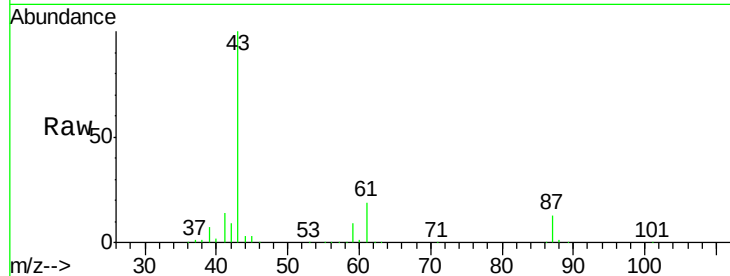
#43
Isopropyl Acetate
Concen: 49.33 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.0	10.7	16.1

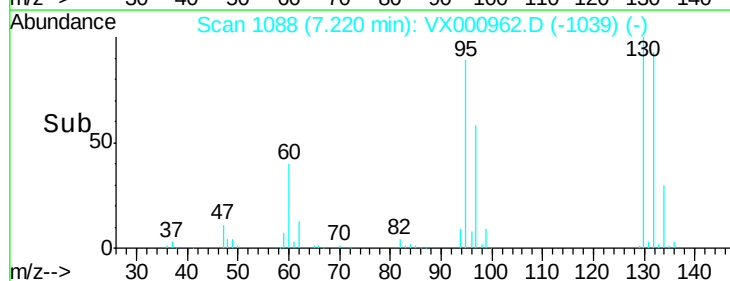
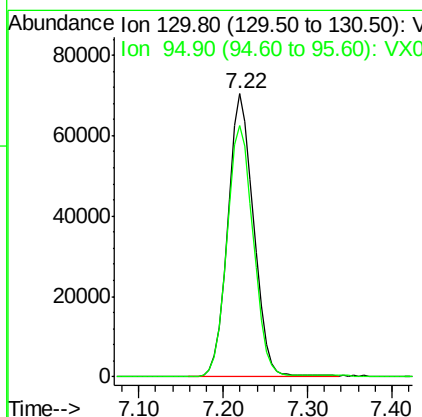
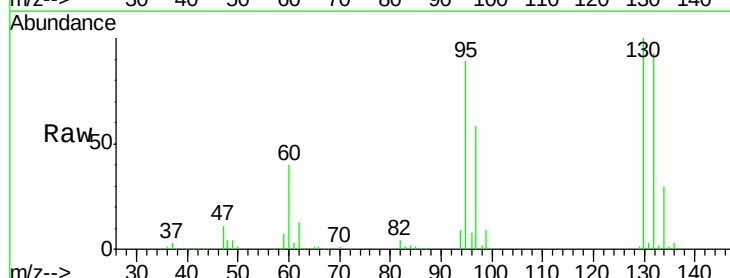
Manual Integrations
APPROVED

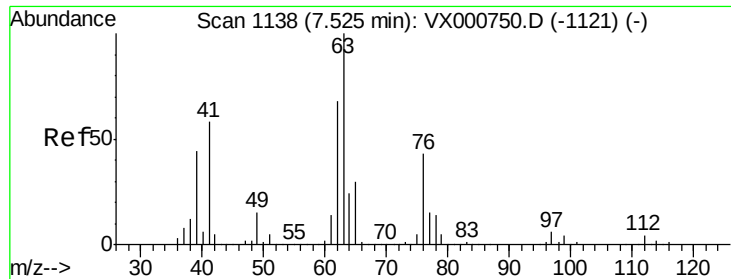
MMDadoda
4/18/2018 2:45:14 PM



#44
Trichloroethene
Concen: 50.78 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	187.0





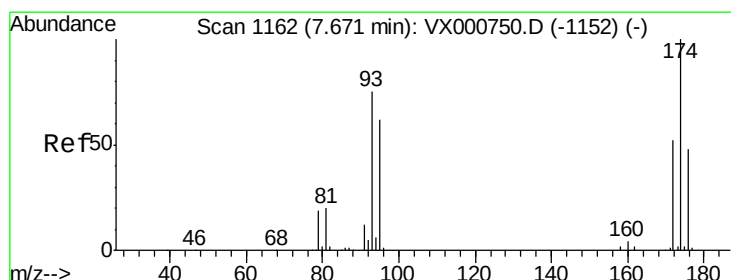
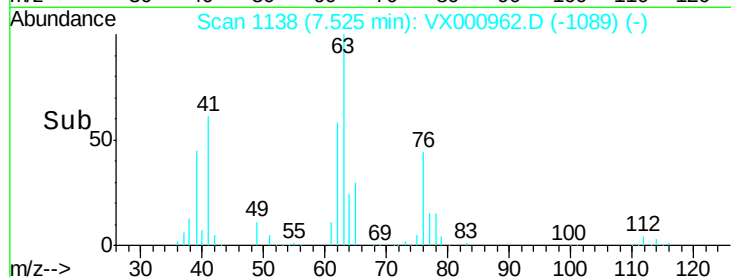
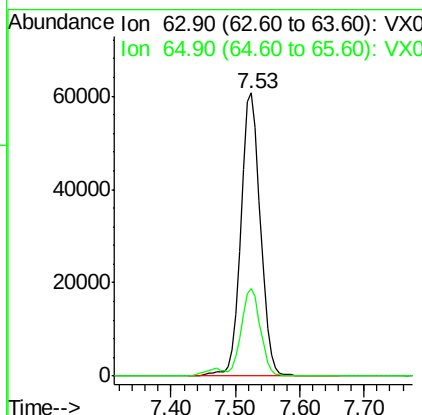
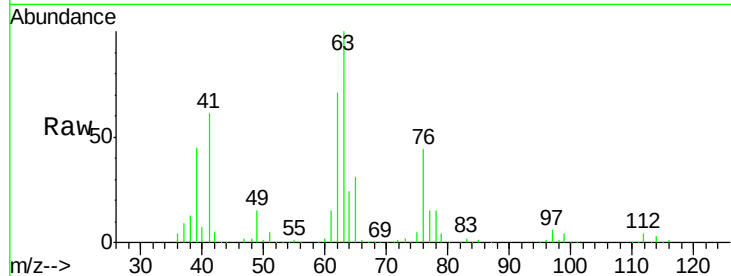
#45
 1,2-Dichloropropane
 Concen: 53.76 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion: 63 Resp: 127400
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.7 35.5

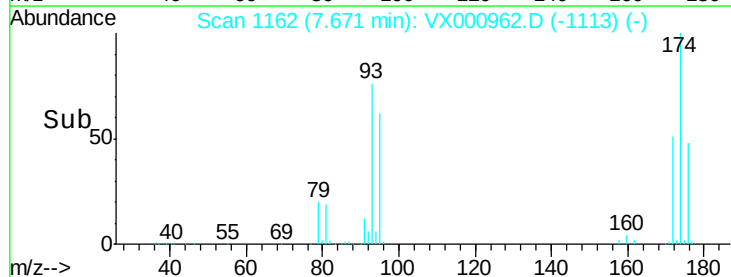
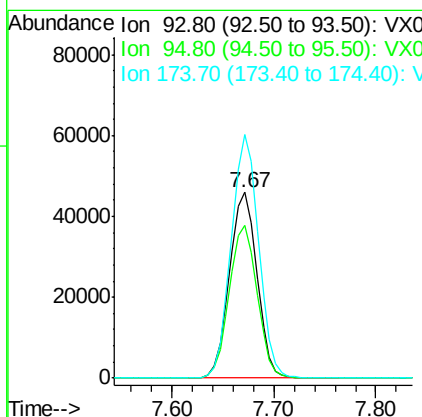
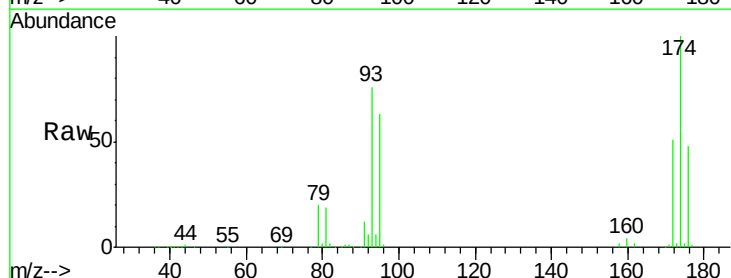
Manual Integrations
 APPROVED

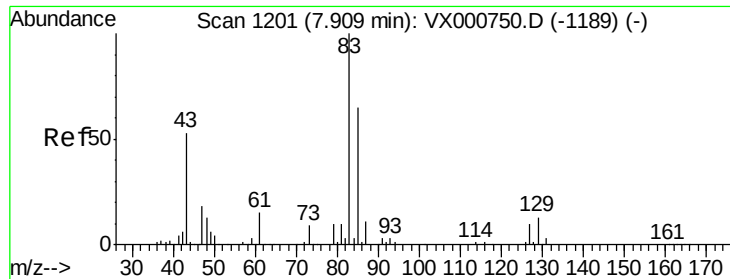
MMDadoda
 4/18/2018 2:45:14 PM



#46
 Dibromomethane
 Concen: 52.09 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion: 93 Resp: 86063
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 129.8 104.5 156.7





#47

Bromodichloromethane

Concen: 49.73 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

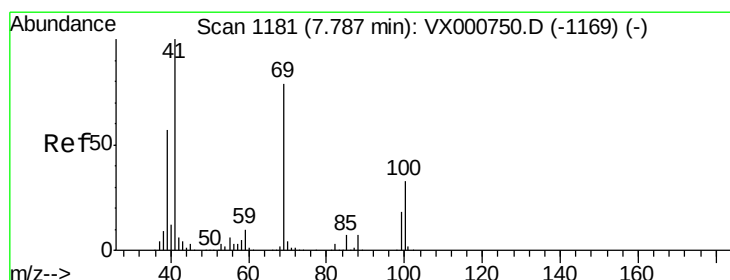
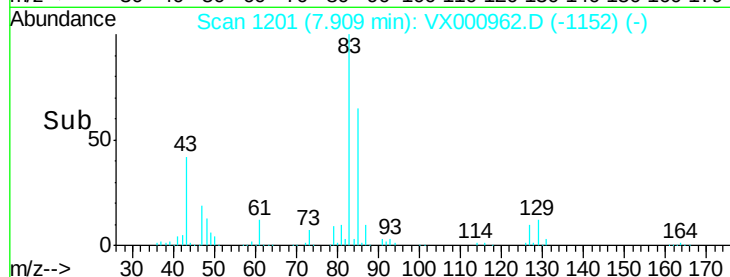
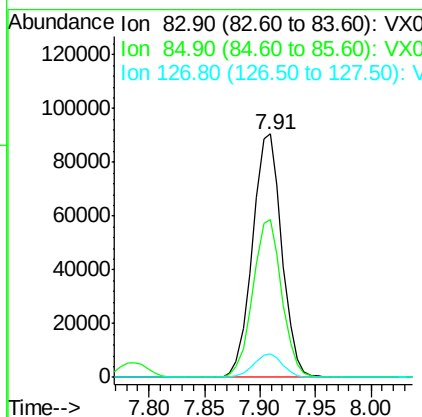
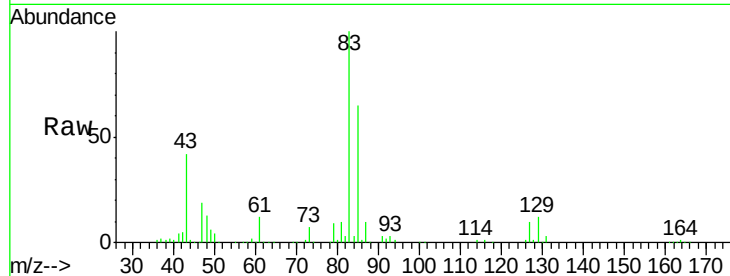
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	83	Resp:	165848
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.2	78.4
127	9.6	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:14 PM



#48

Methyl methacrylate

Concen: 52.22 ug/l

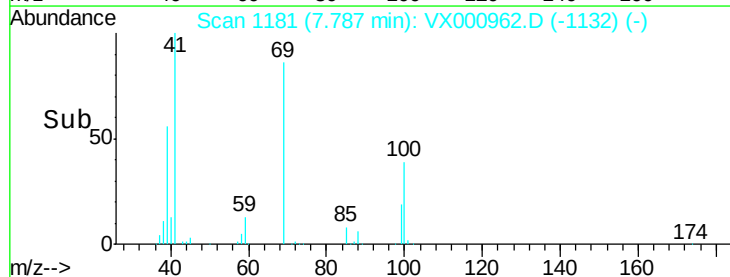
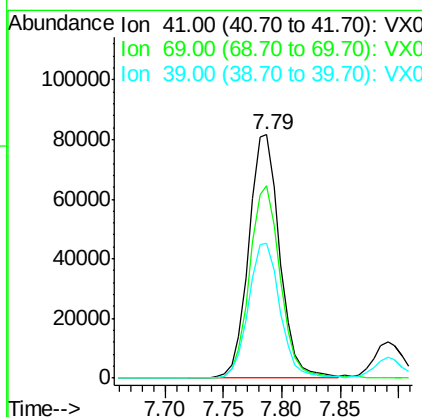
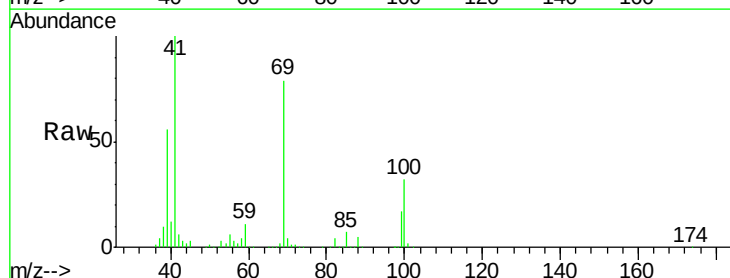
RT: 7.79 min Scan# 1181

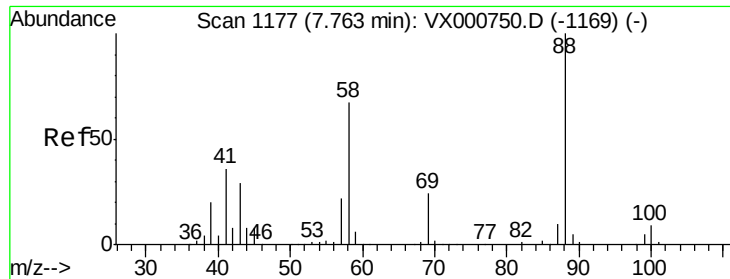
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	41	Resp:	151745
Ion Ratio	Lower	Upper	
41	100		
69	79.1	63.9	95.9
39	56.3	45.9	68.9





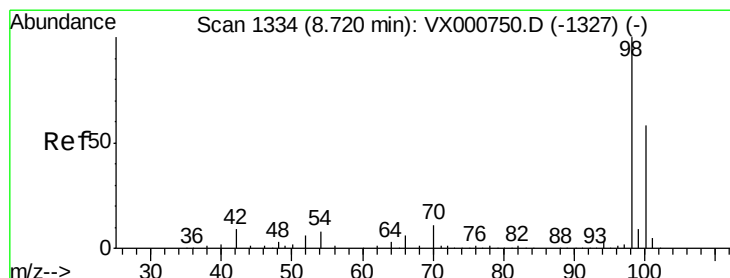
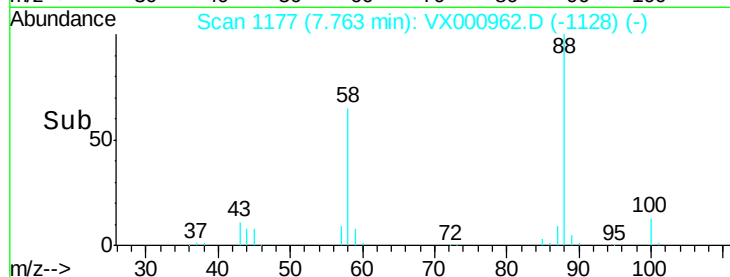
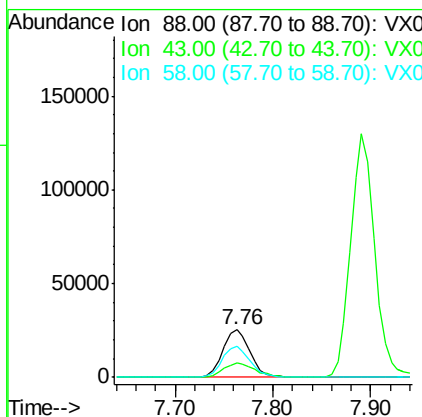
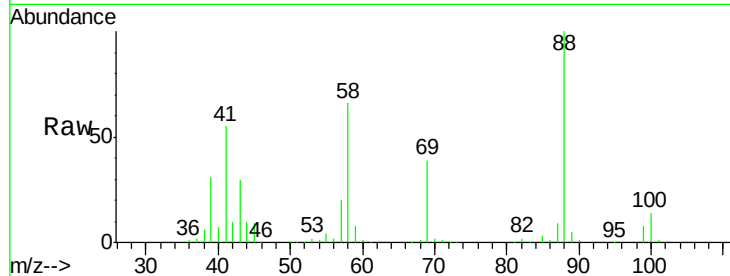
#49
 1,4-Dioxane
 Concen: 834.23 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.8	38.8
58	67.5	54.4	81.6

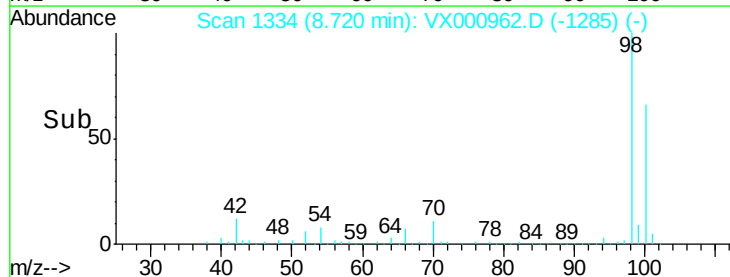
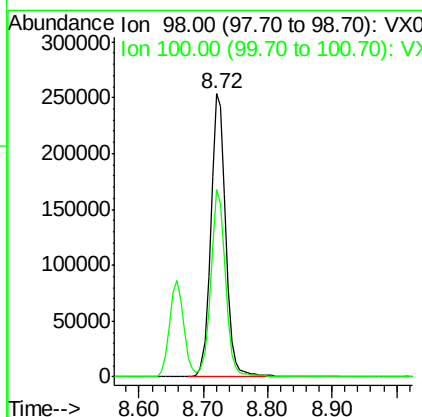
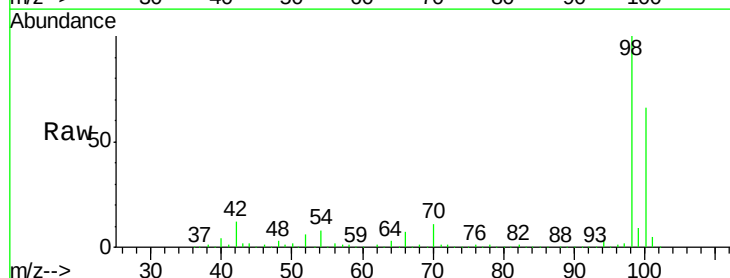
Manual Integrations
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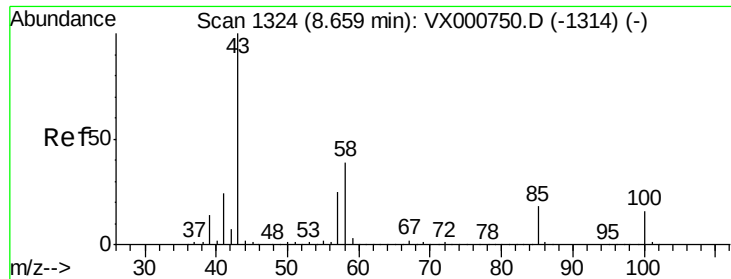
MMDadoda
 4/18/2018 2:45:14 PM



#50
 Toluene-d8
 Concen: 47.07 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 266.95 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 43 Resp: 879075

Ion Ratio Lower Upper

43 100

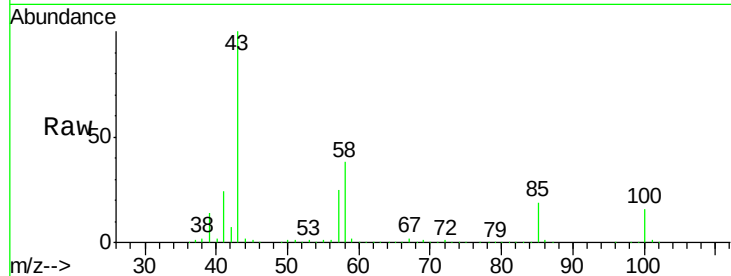
58 38.6 30.3 45.5

Manual Integrations

APPROVED

MMDadoda

4/18/2018 2:45:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

200000

100000

0

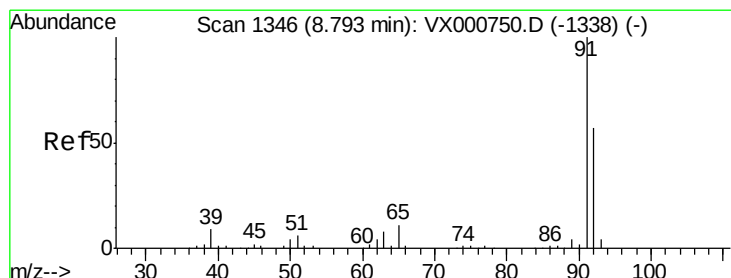
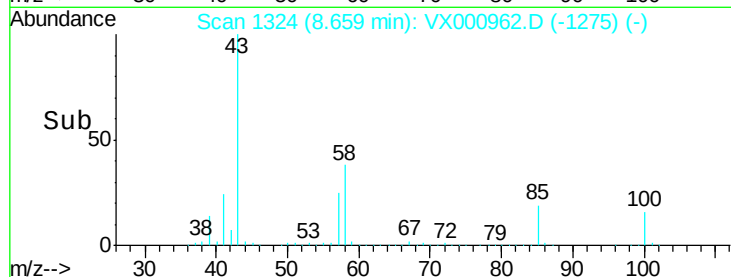
8.60

8.66

8.70

8.80

Time-->



#52

Toluene

Concen: 52.03 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000962.D

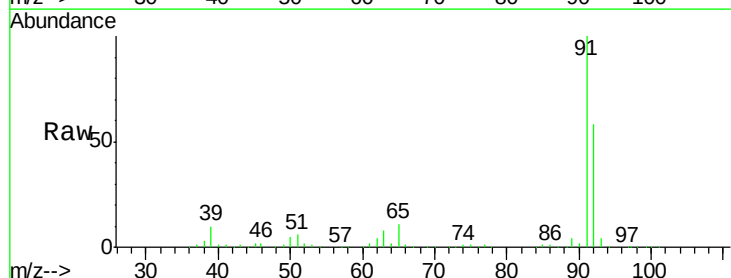
Acq: 17 Apr 2018 10:29

Tgt Ion: 92 Resp: 321256

Ion Ratio Lower Upper

92 100

91 172.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

100000

0

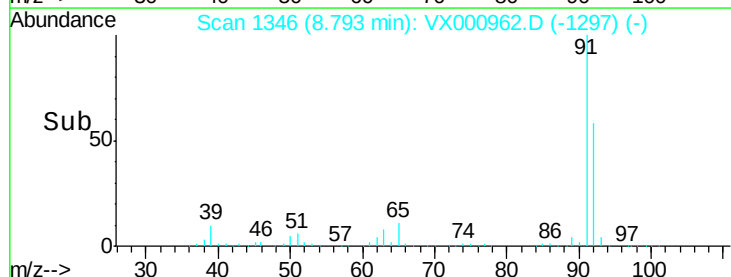
8.70

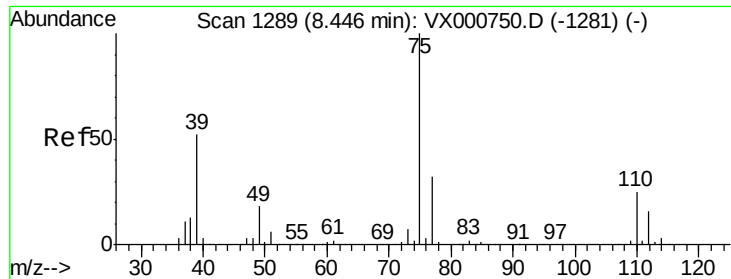
8.79

8.90

9.00

Time-->





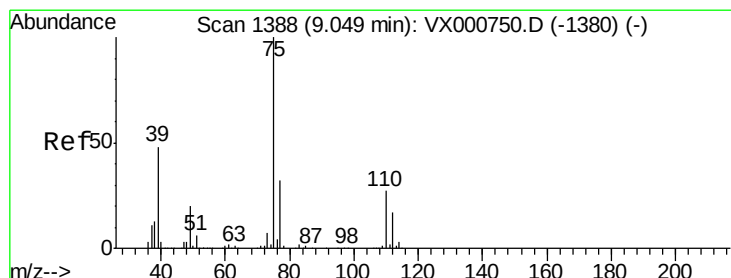
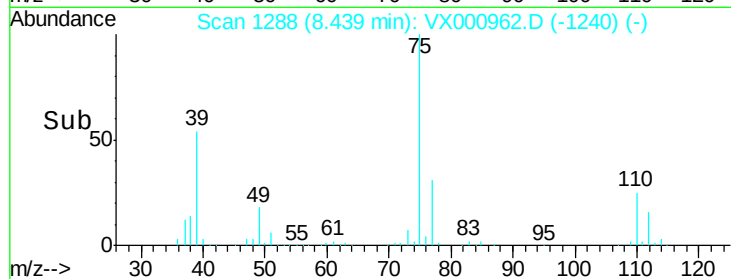
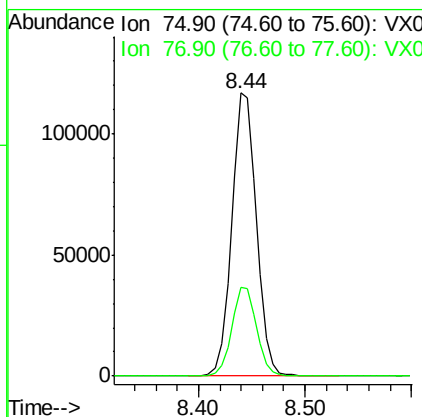
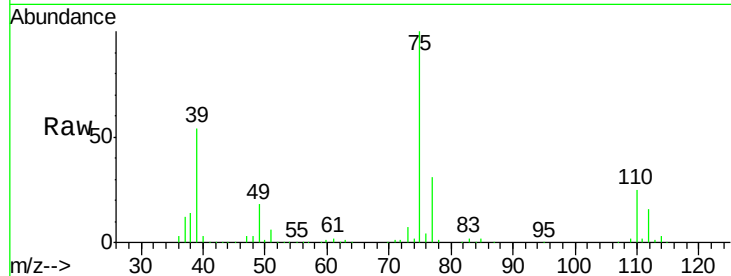
#53
 t-1,3-Dichloropropene
 Concen: 47.37 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

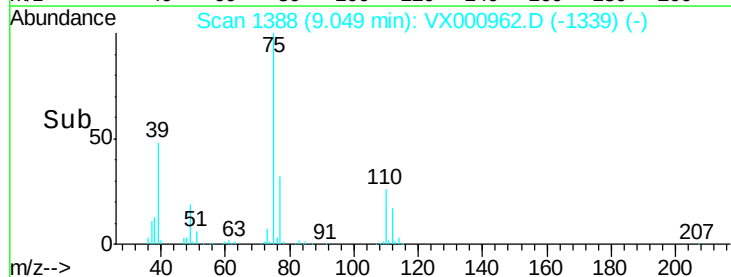
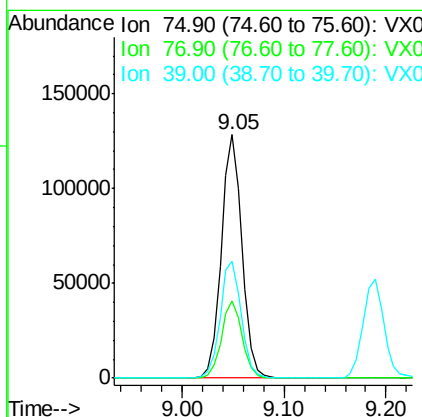
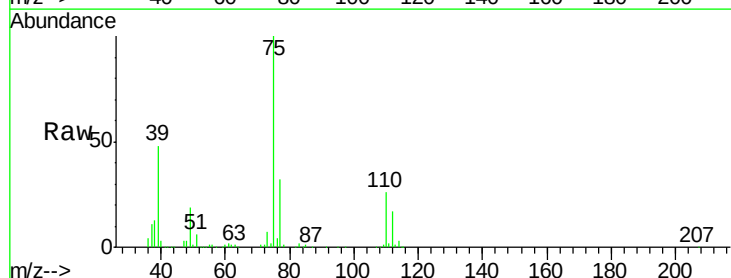
Manual Integrations
 APPROVED

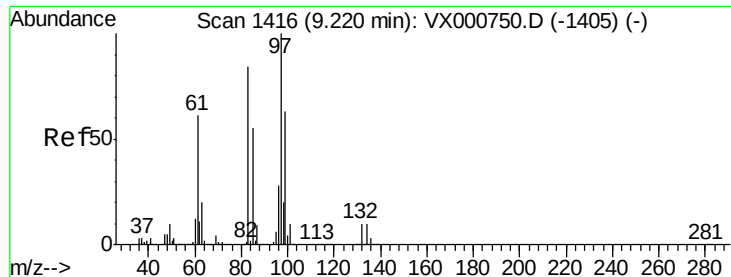
MMDadoda
 4/18/2018 2:45:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 46.27 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	48.1	38.6	58.0





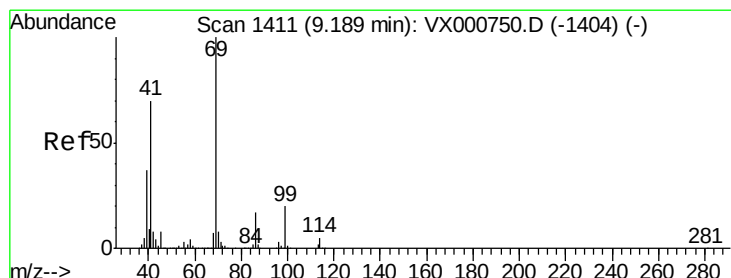
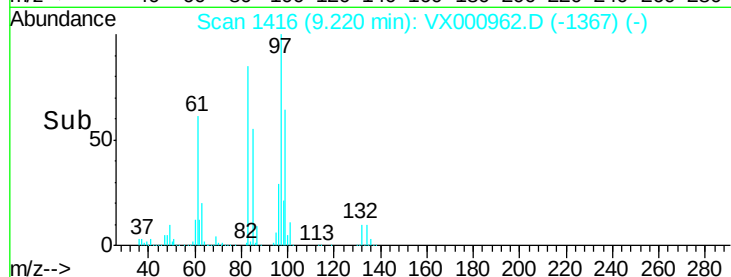
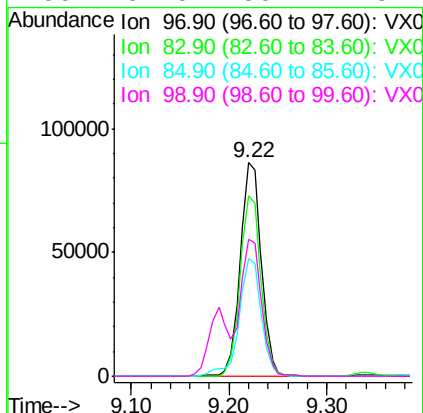
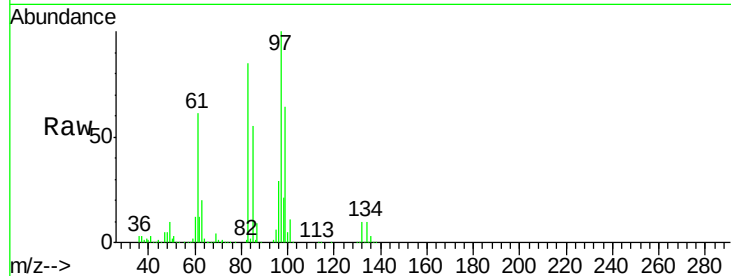
#55
 1,1,2-Trichloroethane
 Concen: 52.76 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion:	97	Resp:	129313
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.6	101.4
85	55.4	43.8	65.6
99	64.0	50.2	75.4

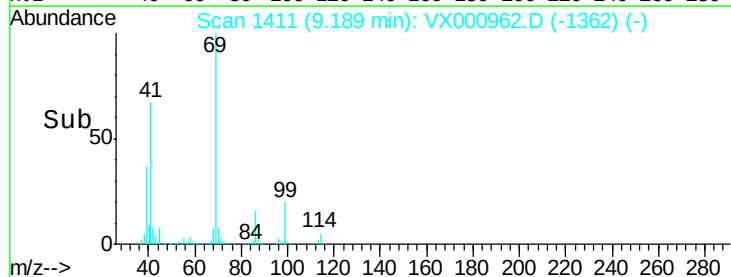
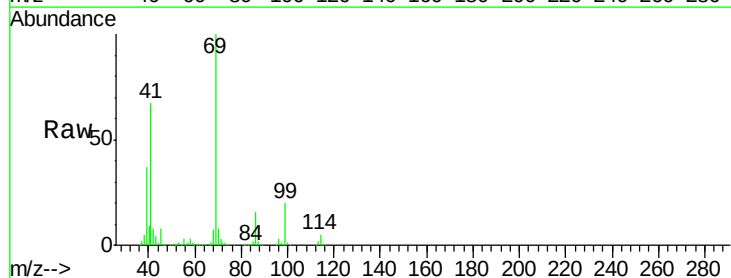
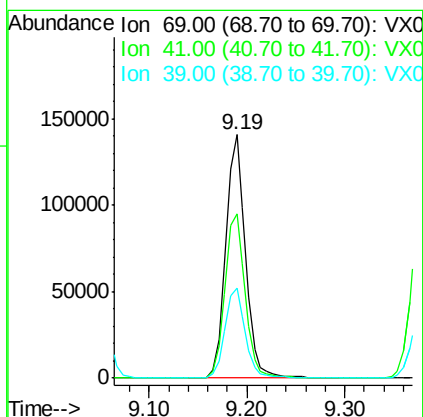
Manual Integrations
 APPROVED

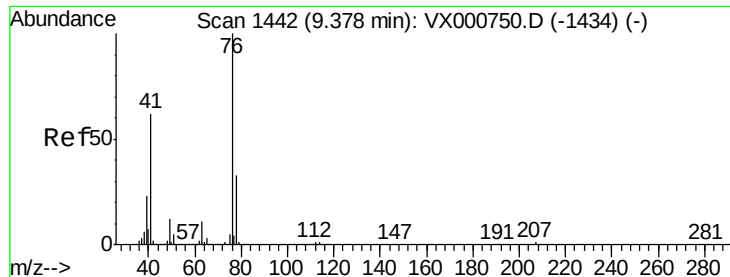
MMDadoda
 4/18/2018 2:45:14 PM



#56
 Ethyl methacrylate
 Concen: 51.93 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion:	69	Resp:	196377
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.6	83.4
39	38.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 55.24 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 76 Resp: 215272

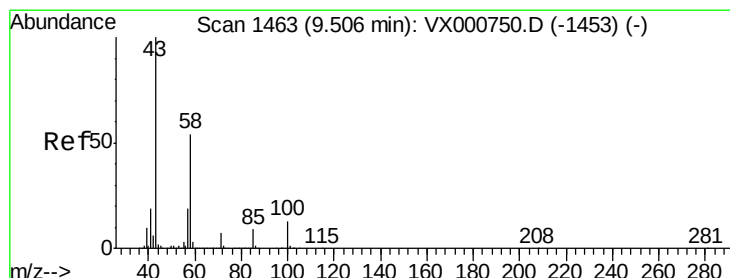
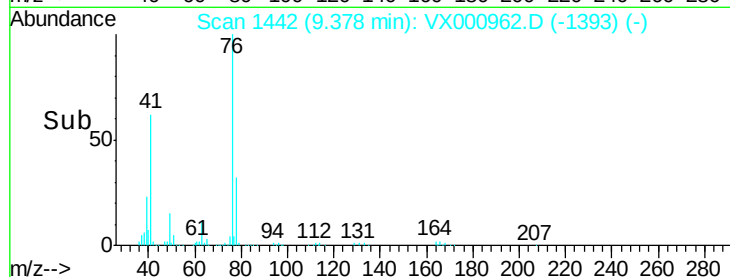
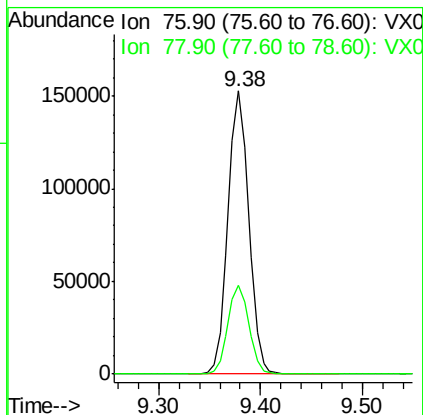
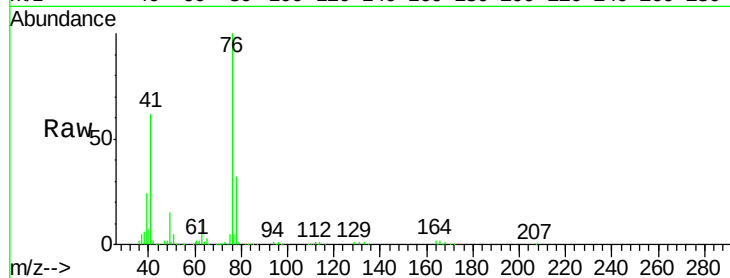
Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6

Manual Integrations
APPROVED

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4/18/2018 2:45:14 PM



#59

2-Hexanone

Concen: 257.40 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VX000962.D

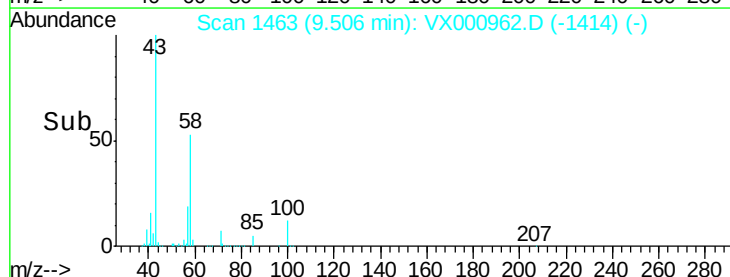
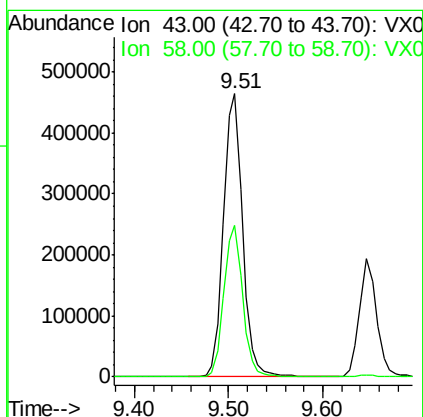
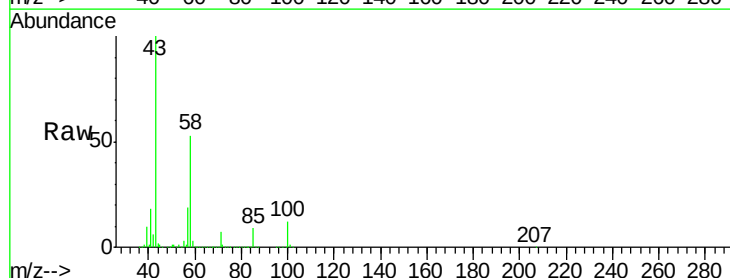
Acq: 17 Apr 2018 10:29

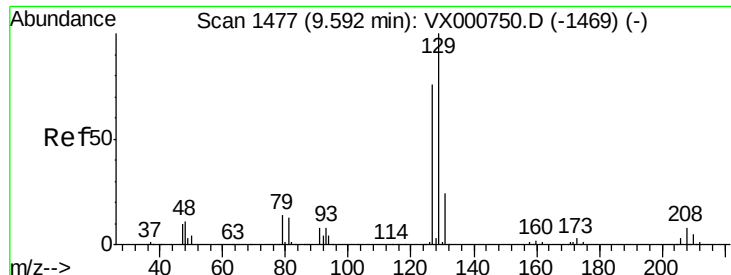
Tgt Ion: 43 Resp: 654391

Ion Ratio Lower Upper

43 100

58 52.9 26.5 79.5





#60

Dibromochloromethane

Concen: 48.65 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion:129 Resp: 142687

Ion Ratio Lower Upper

129 100

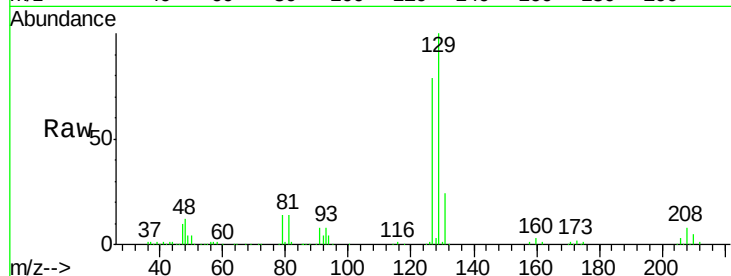
127 77.9 38.4 115.1

Manual Integrations

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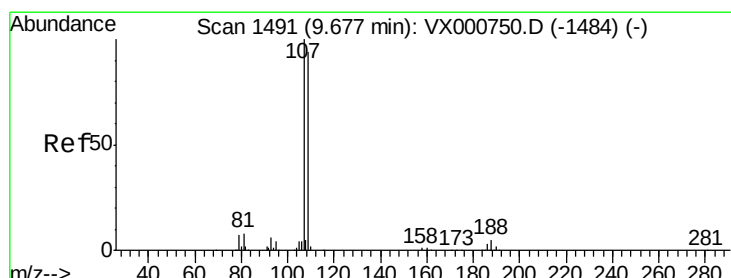
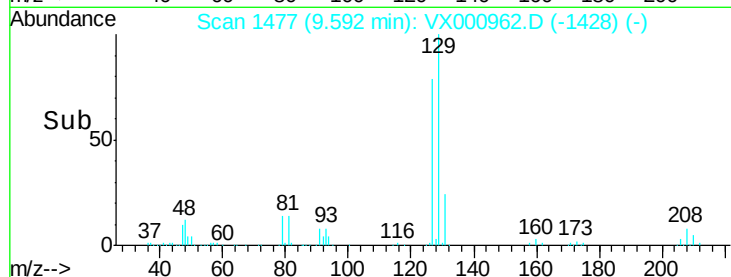
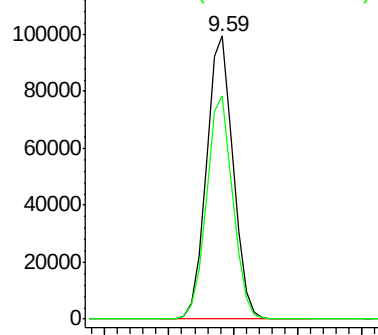
MMDadoda

4/18/2018 2:45:14 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: 53.24 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000962.D

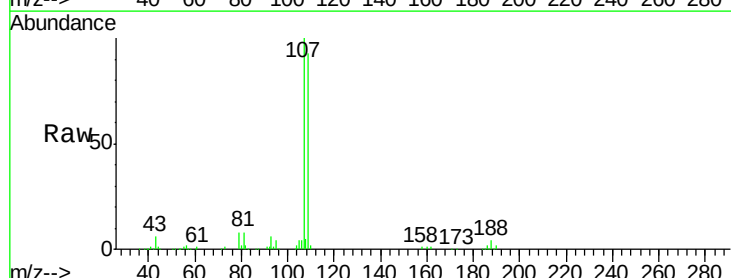
Acq: 17 Apr 2018 10:29

Tgt Ion:107 Resp: 138458

Ion Ratio Lower Upper

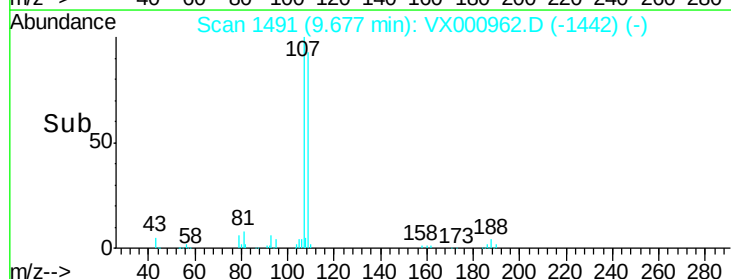
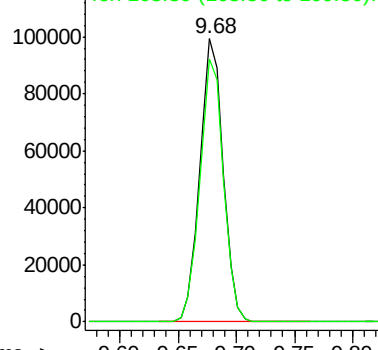
107 100

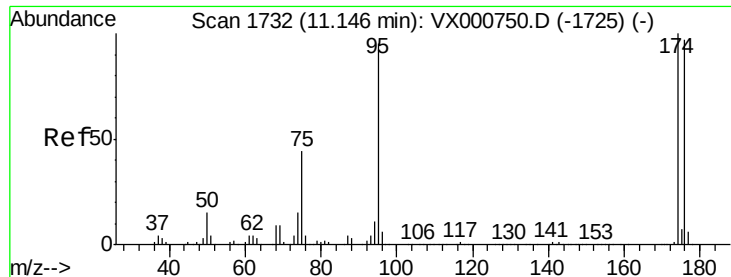
109 94.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 46.70 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

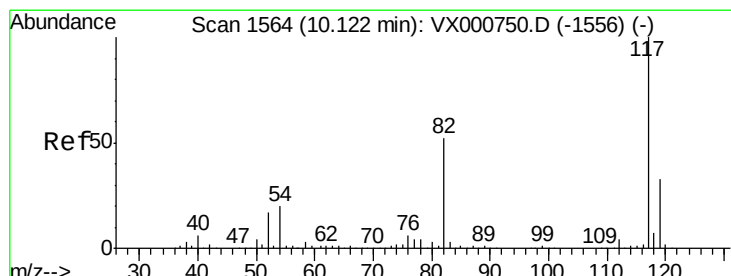
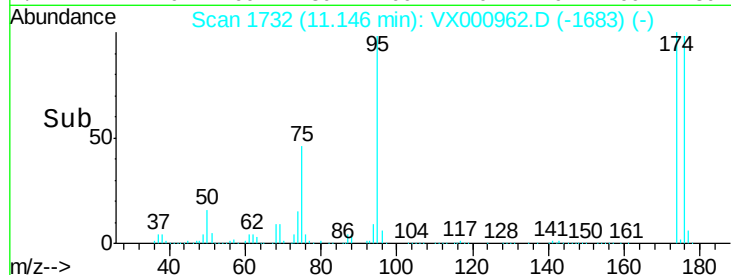
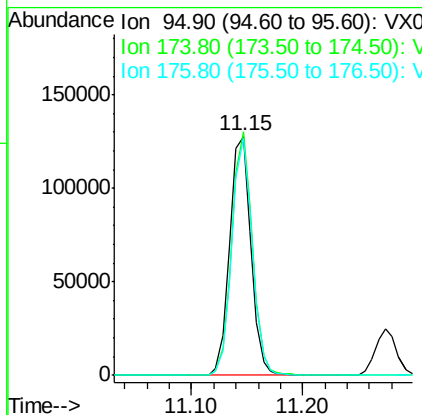
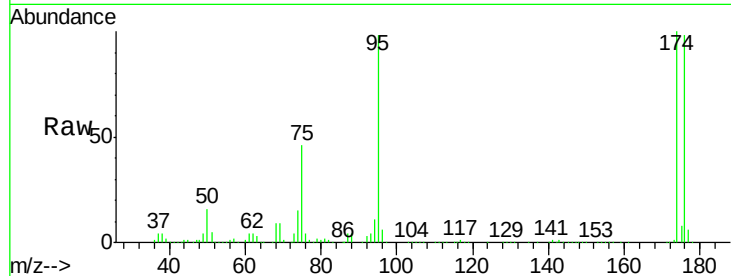
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	95	Resp:	168554
Ion Ratio	Lower	Upper	
95	100		
174	98.7	0.0	198.4
176	96.0	0.0	194.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

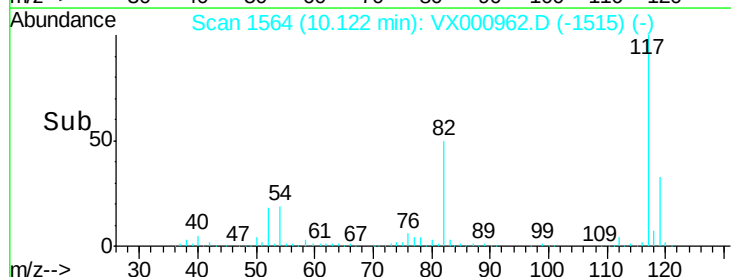
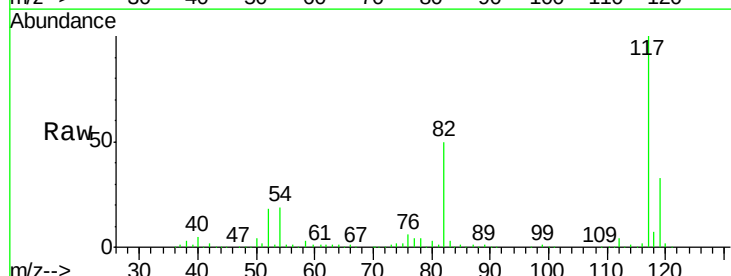
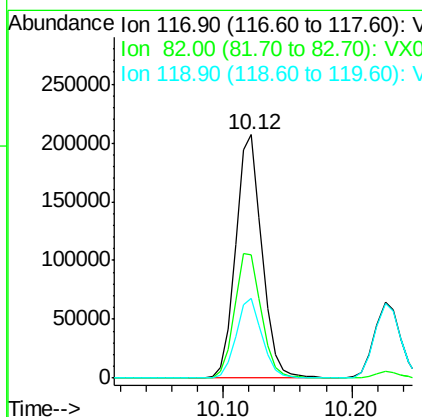
RT: 10.12 min Scan# 1564

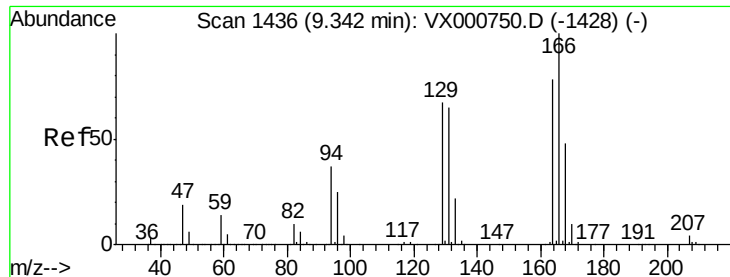
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	117	Resp:	292873
Ion Ratio	Lower	Upper	
117	100		
82	50.4	41.9	62.9
119	32.8	26.0	39.0





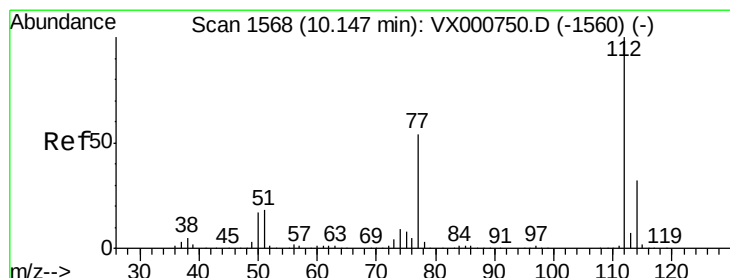
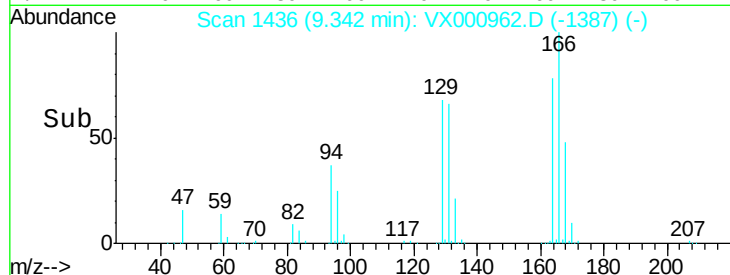
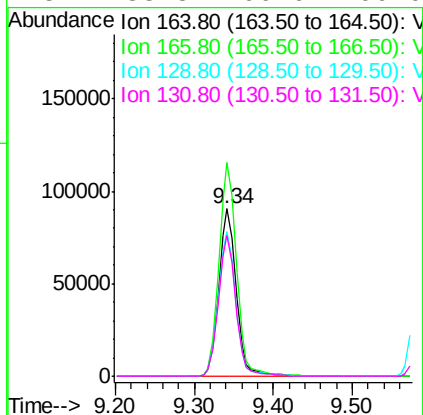
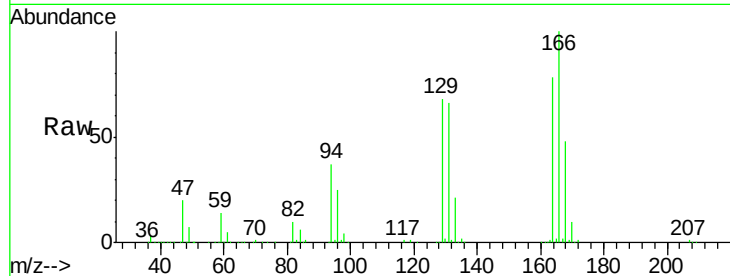
#64
Tetrachloroethene
Concen: 48.98 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.8	154.2
129	86.6	68.5	102.7
131	83.8	66.6	100.0

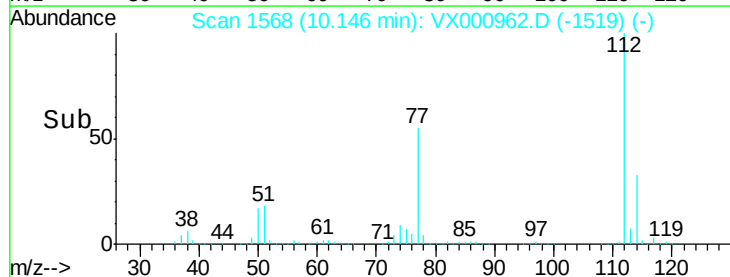
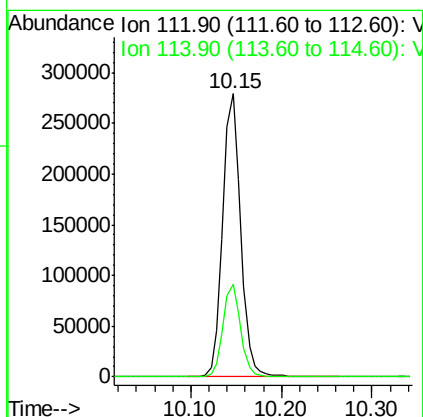
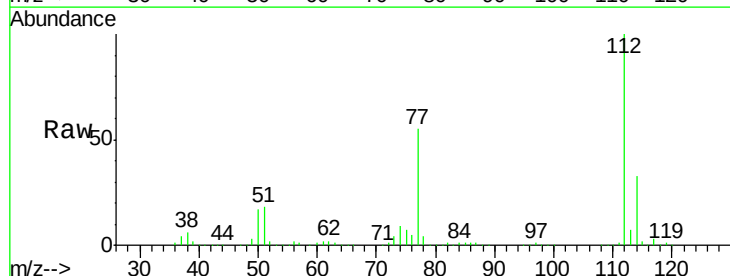
Manual Integrations
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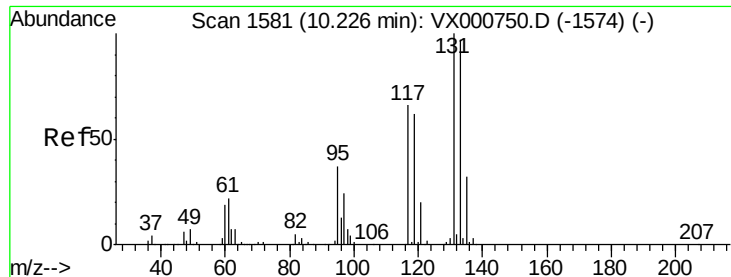
MMDadoda
4/18/2018 2:45:14 PM



#65
Chlorobenzene
Concen: 52.49 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 50.18 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

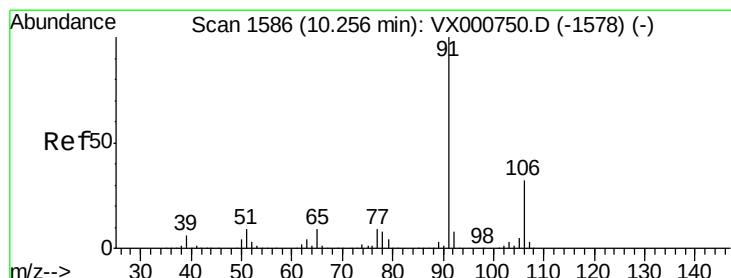
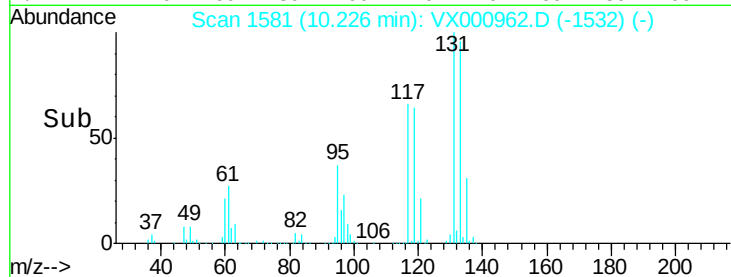
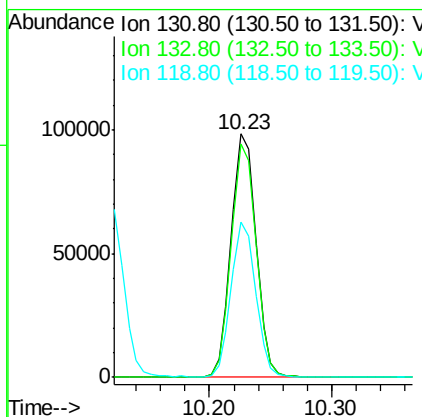
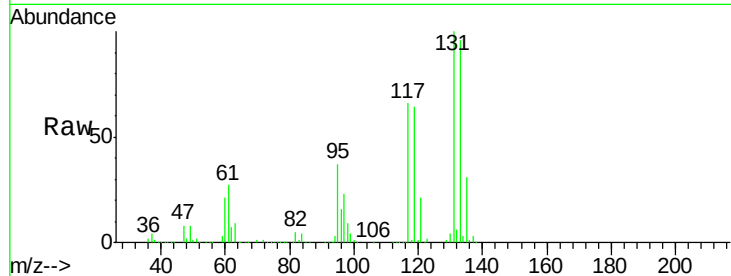
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	131	Resp:	139136
Ion Ratio	Lower	Upper	
131	100		
133	95.6	48.3	144.9
119	63.1	31.4	94.0

Manual Integrations
APPROVED

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4/18/2018 2:45:14 PM



#67

Ethyl Benzene

Concen: 51.06 ug/l

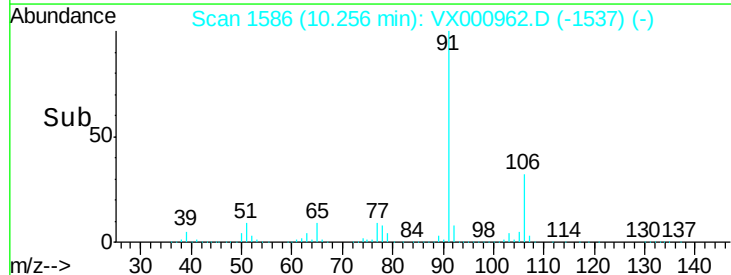
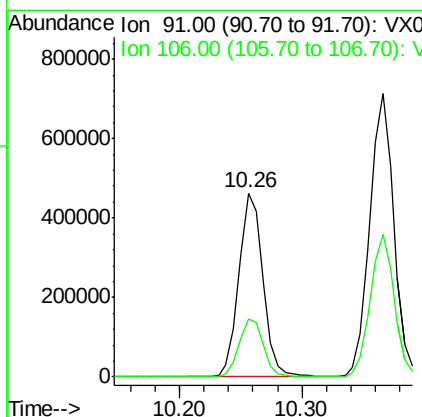
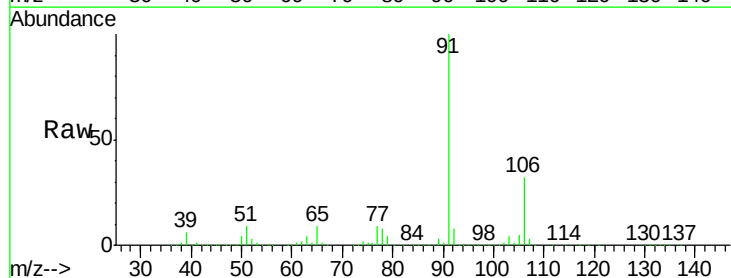
RT: 10.26 min Scan# 1586

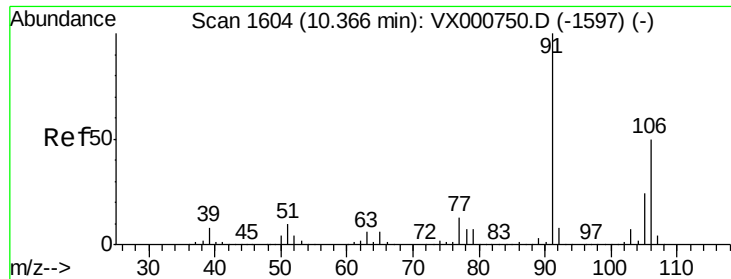
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	91	Resp:	627199
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.4	38.0





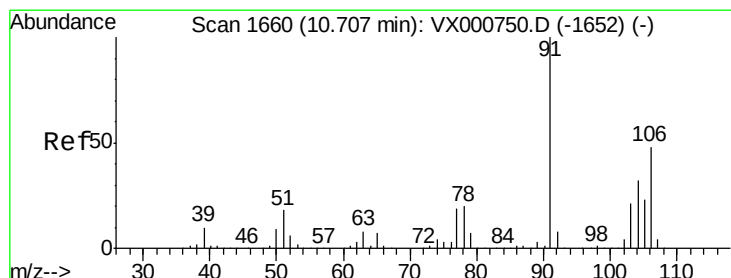
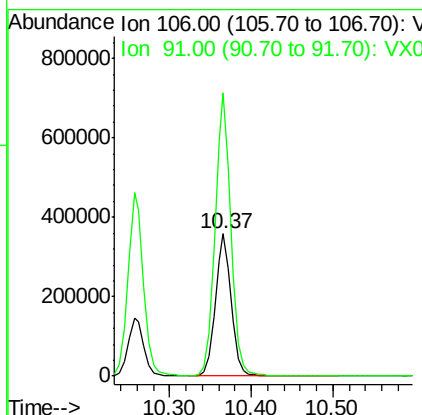
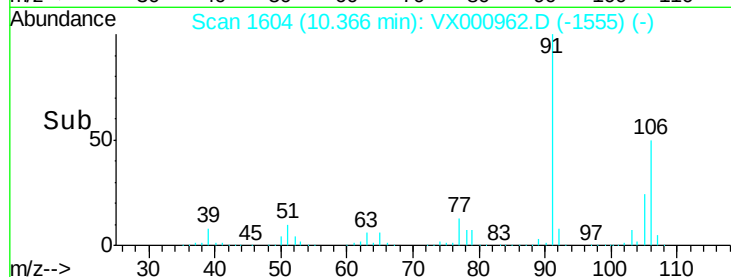
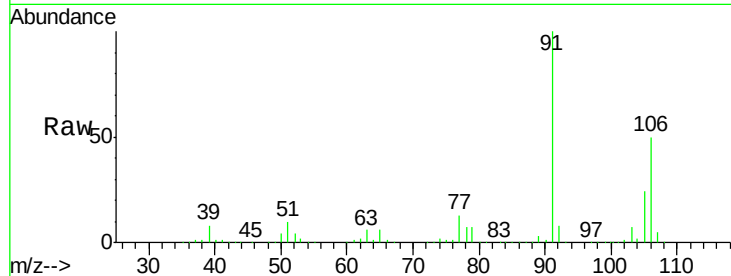
#68
m/p-Xylenes
Concen: 101.58 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion:106 Resp: 492502
Ion Ratio Lower Upper
106 100
91 199.6 159.3 238.9

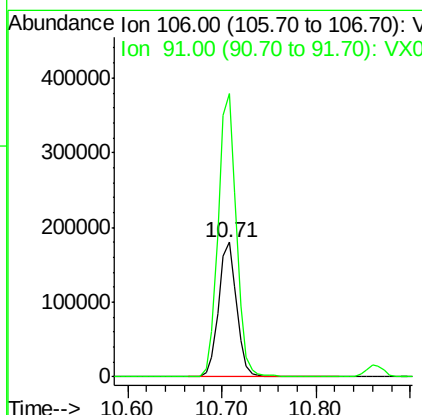
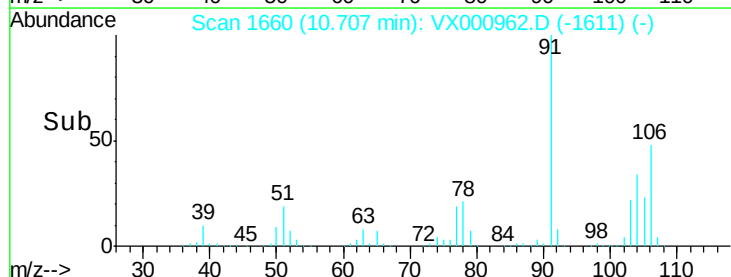
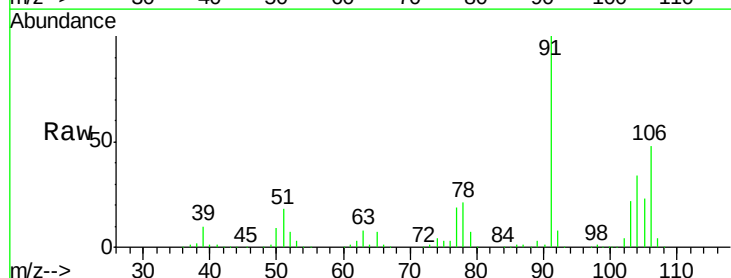
Manual Integrations
APPROVED

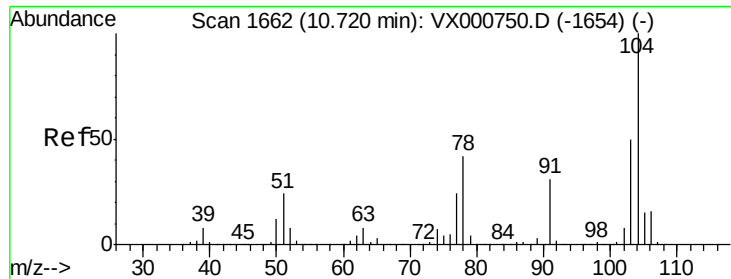
MMDadoda
4/18/2018 2:45:14 PM



#69
o-Xylene
Concen: 51.25 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion:106 Resp: 239485
Ion Ratio Lower Upper
106 100
91 212.2 105.0 315.0





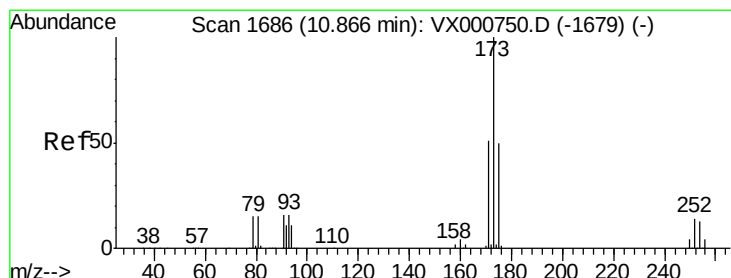
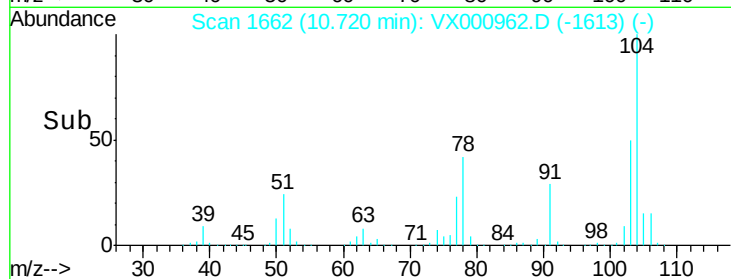
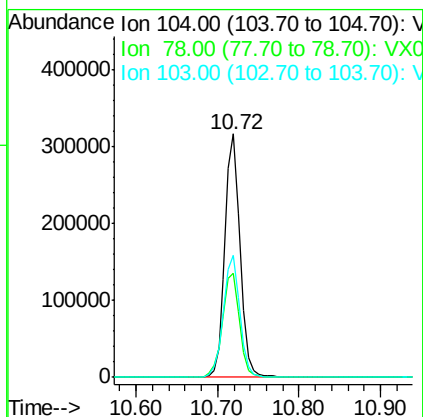
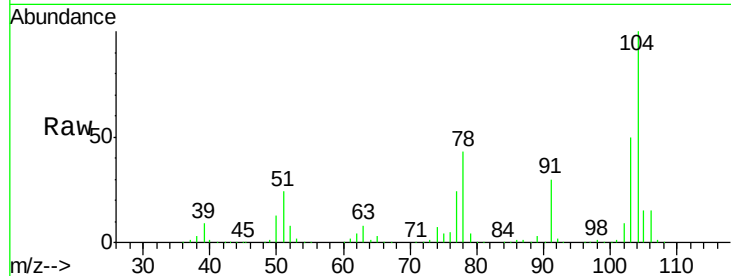
#70
Stvrene
Concen: 51.83 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.0	58.6
103	54.9	44.1	66.1

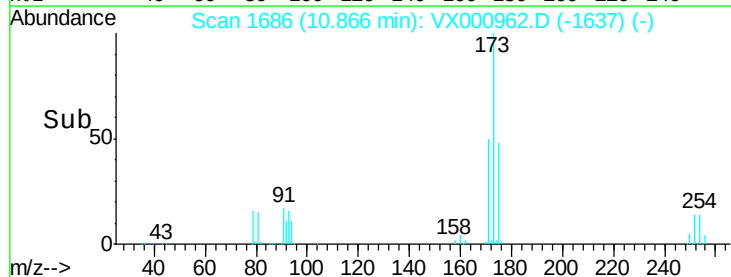
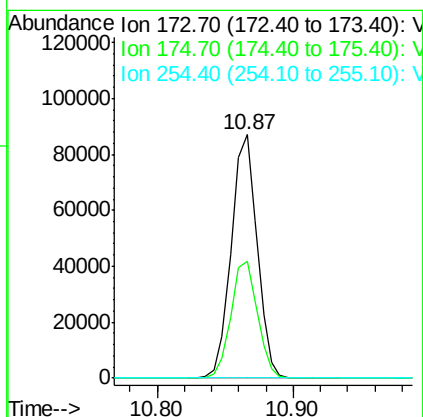
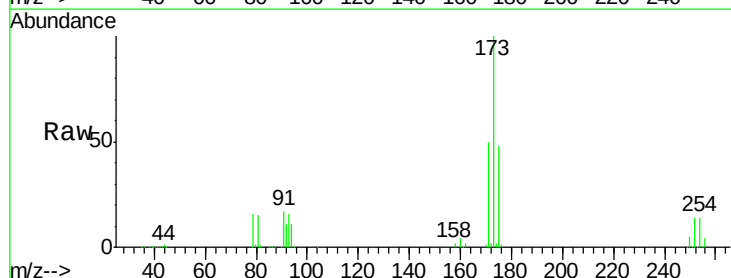
Manual Integrations
APPROVED

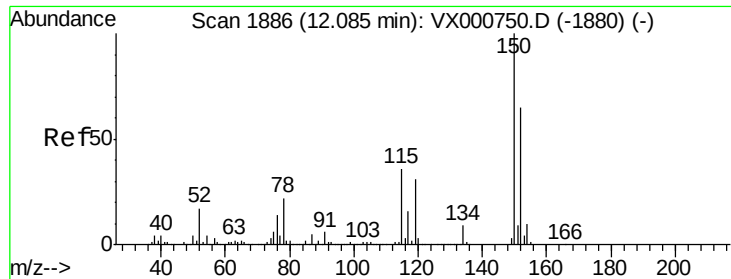
MMDadoda
4/18/2018 2:45:14 PM



#71
Bromoform
Concen: 44.82 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	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: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion:152 Resp: 198956

Ion Ratio Lower Upper

152 100

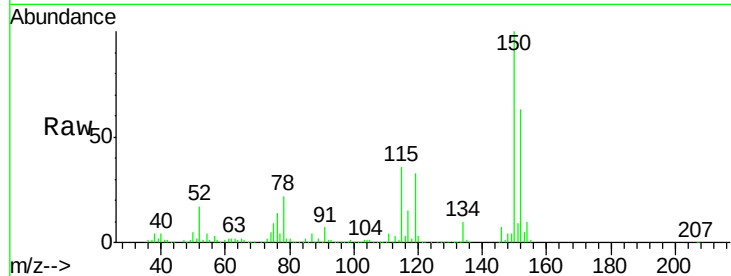
115 75.7 37.9 113.7

150 175.4 0.0 348.0

Manual Integrations
APPROVED

MMDadoda

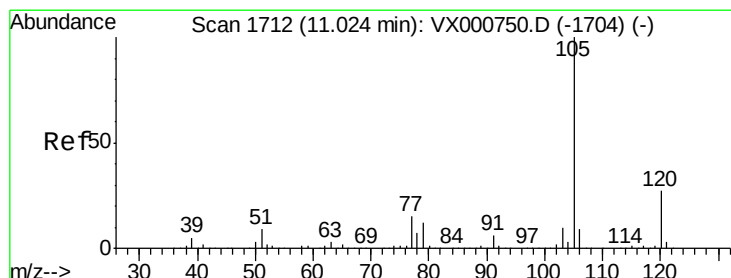
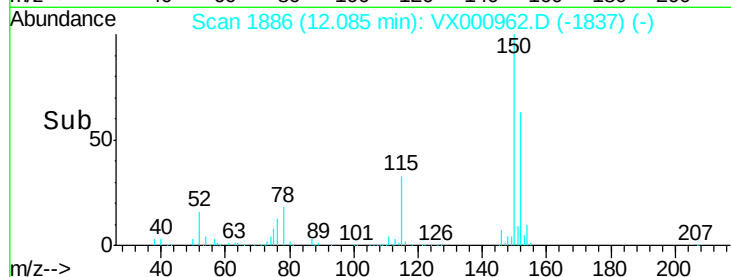
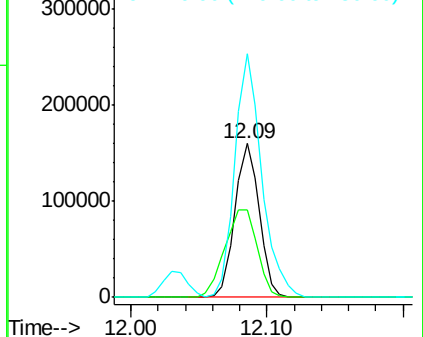
4/18/2018 2:45:14 PM



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: 51.77 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000962.D

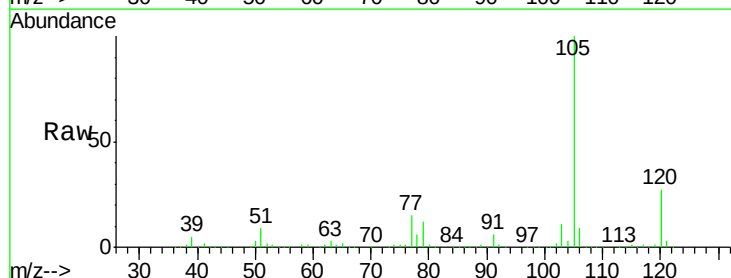
Acq: 17 Apr 2018 10:29

Tgt Ion:105 Resp: 653429

Ion Ratio Lower Upper

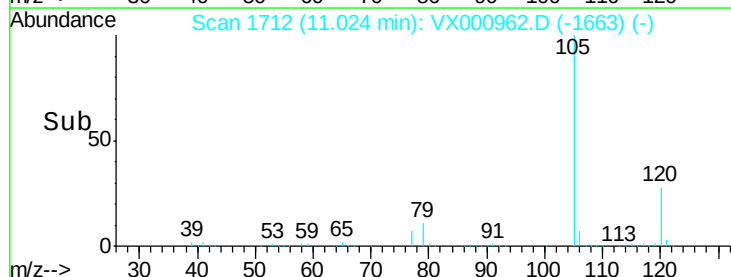
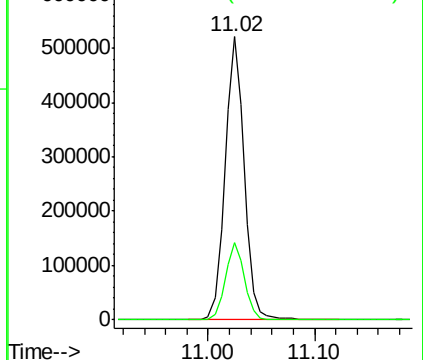
105 100

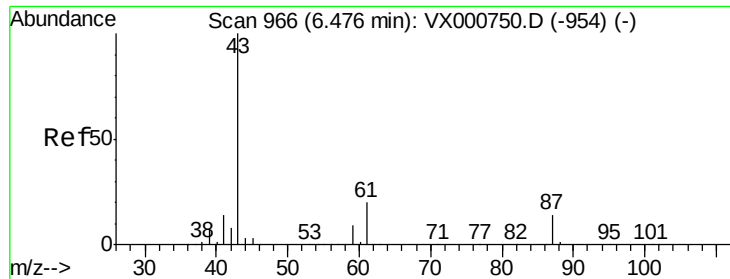
120 27.1 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 48.65 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

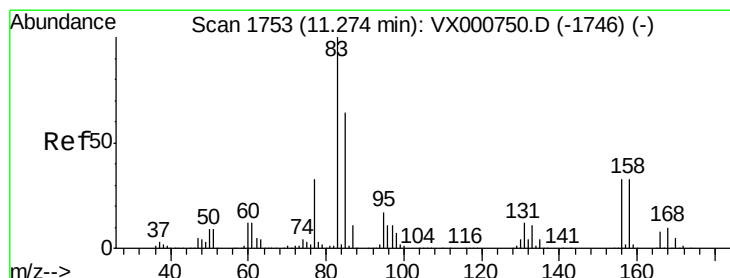
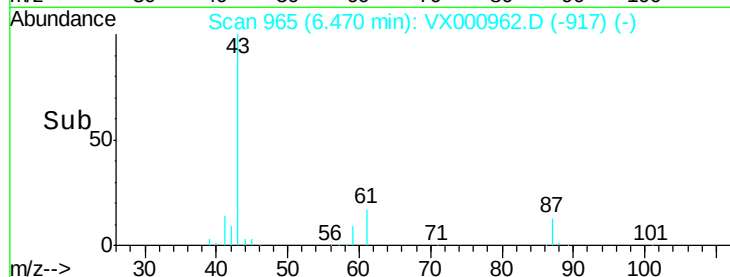
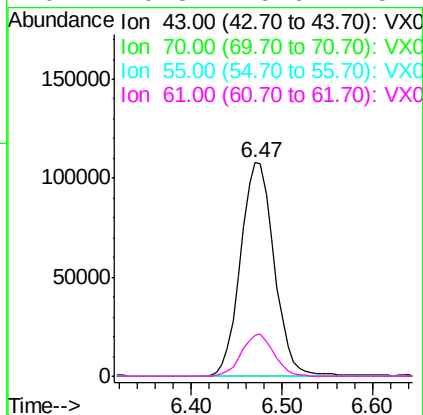
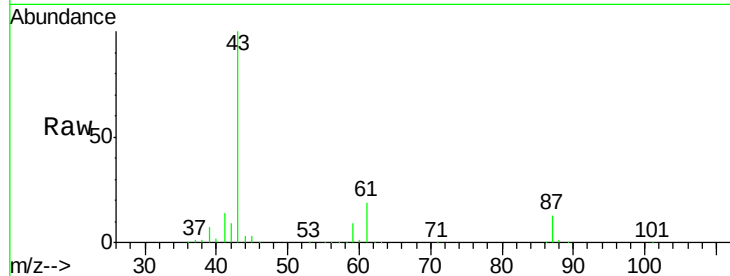
ClientSampleId :

LF012MW001-180410MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		276533		
70	0.0	0.0	0.0		
55	0.1	0.0	0.0		
61	19.3	15.6	23.4		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.22 ug/l

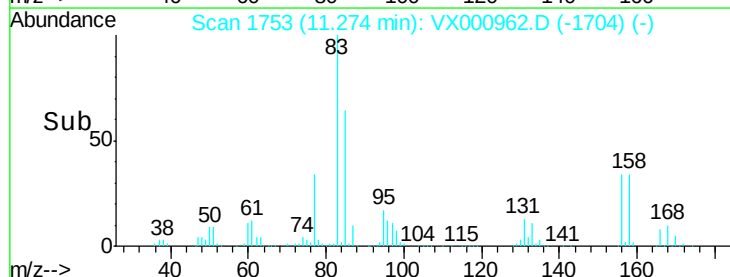
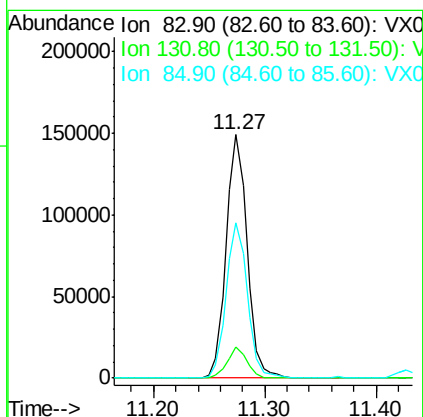
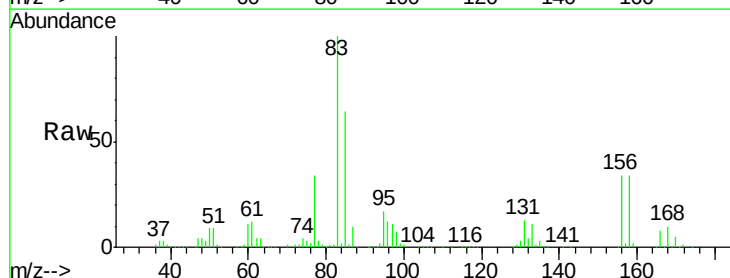
RT: 11.27 min Scan# 1753

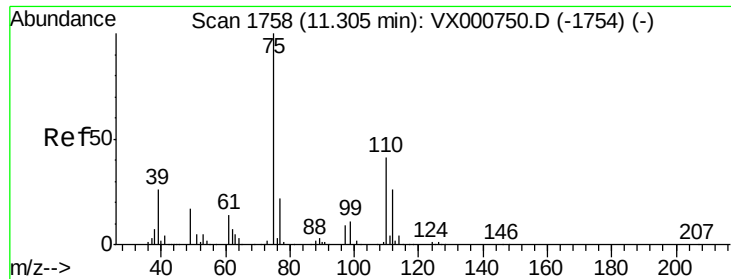
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		194953		
131	11.9	6.0	18.0		
85	64.7	32.3	96.8		





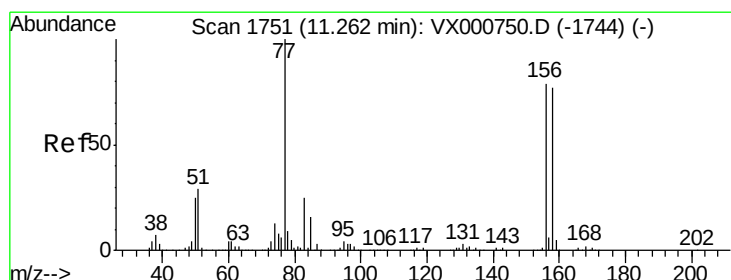
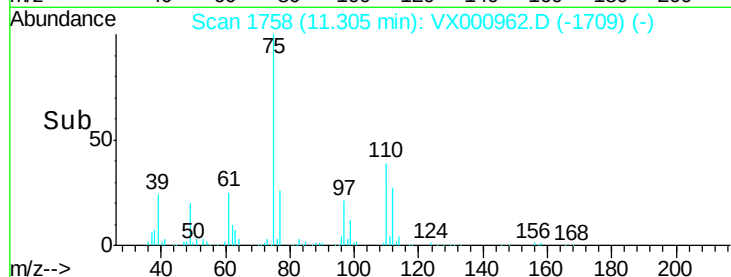
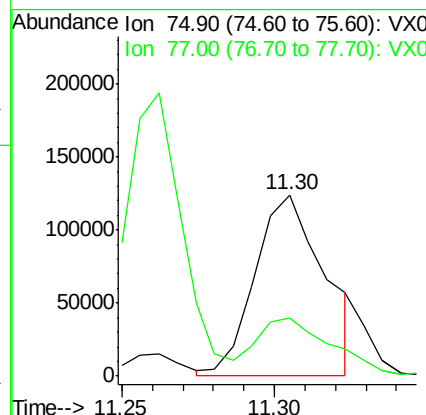
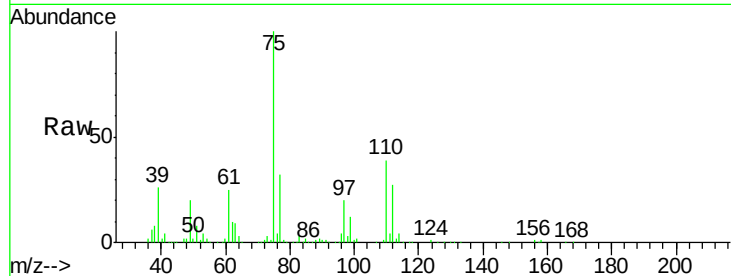
#76
 1,2,3-Trichloropropane
 Concen: 56.98 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion: 75 Resp: 195522
 Ion Ratio Lower Upper
 75 100
 77 34.3 20.5 61.5

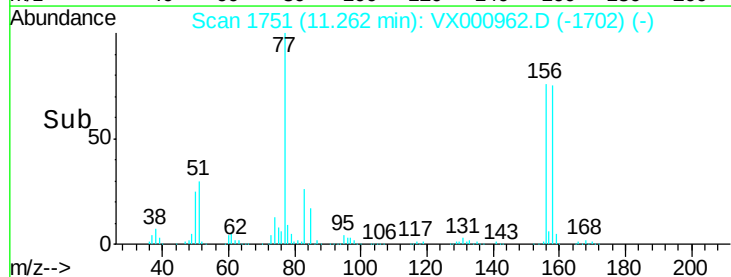
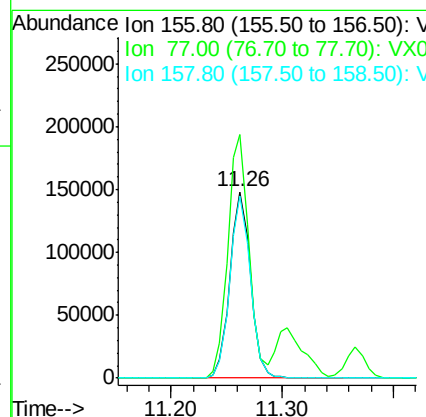
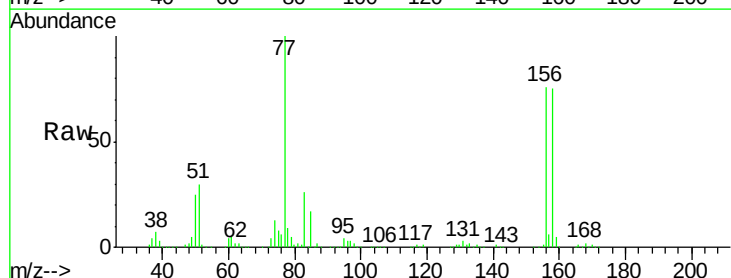
Manual Integrations
 APPROVED

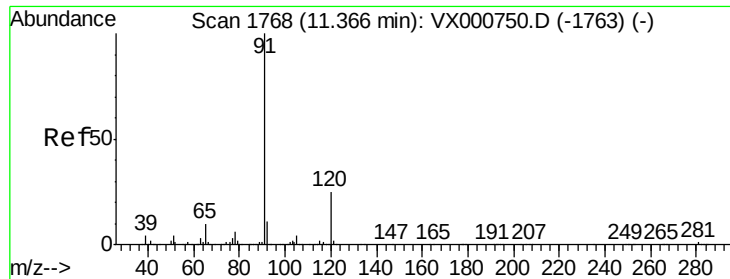
MMDadoda
 4/18/2018 2:45:14 PM



#77
 Bromobenzene
 Concen: 51.38 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion: 156 Resp: 190064
 Ion Ratio Lower Upper
 156 100
 77 133.5 66.0 198.2
 158 97.4 48.8 146.4





#78

n-propylbenzene

Concen: 50.77 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

ClientSampleId :

LF012MW001-180410MS

Tot Ion: 91 Resp: 733008

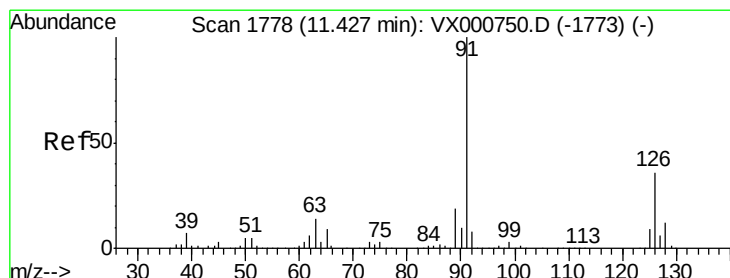
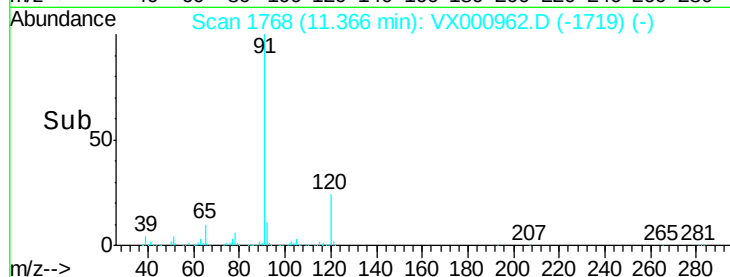
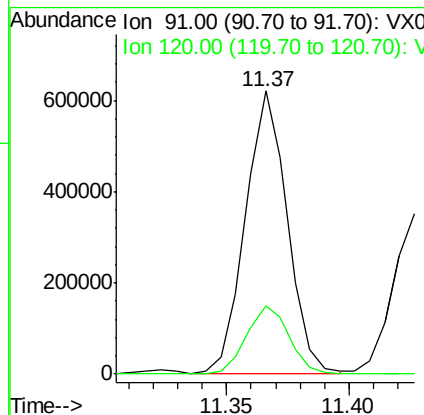
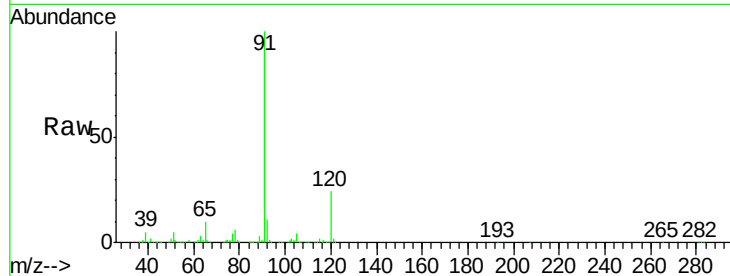
Ion Ratio Lower Upper

91 100

120 25.0 12.6 37.6

Manual Integrations
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#79

2-Chlorotoluene

Concen: 51.49 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000962.D

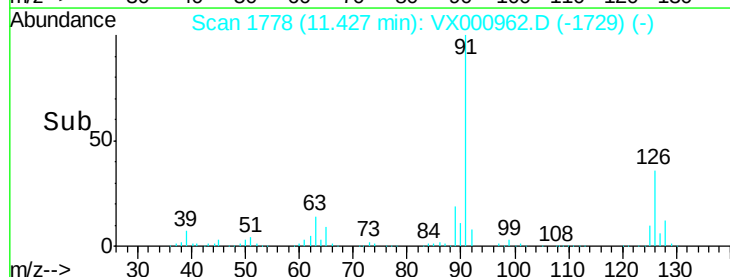
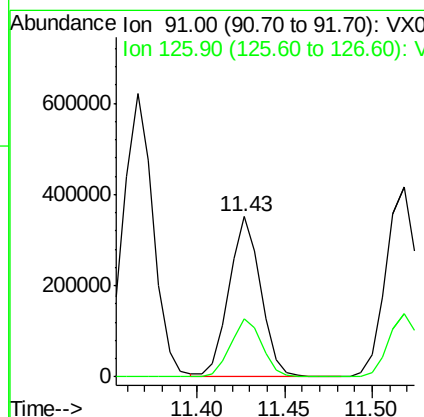
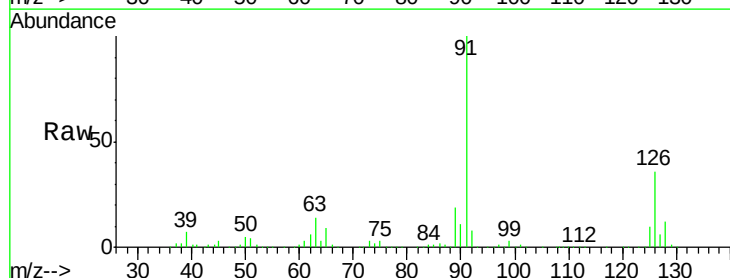
Acq: 17 Apr 2018 10:29

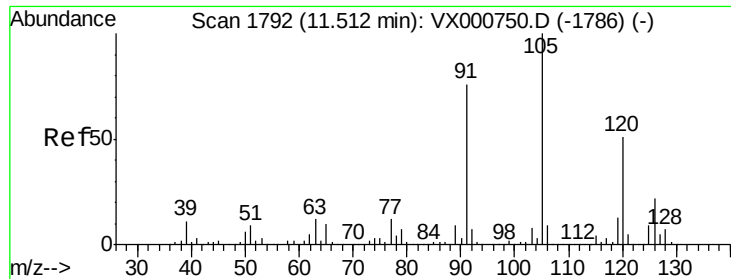
Tgt Ion: 91 Resp: 439357

Ion Ratio Lower Upper

91 100

126 36.3 18.3 54.9





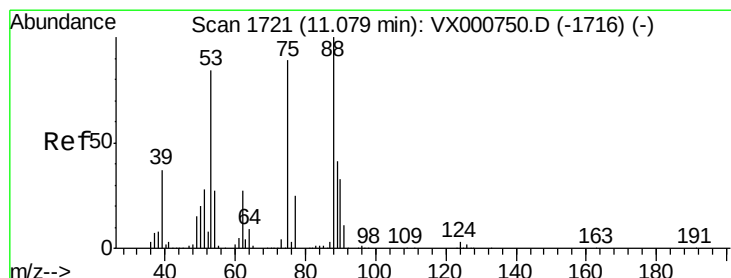
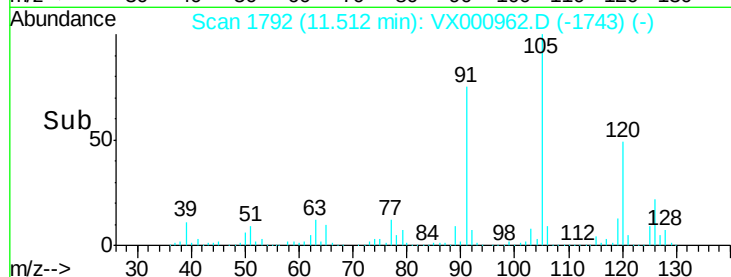
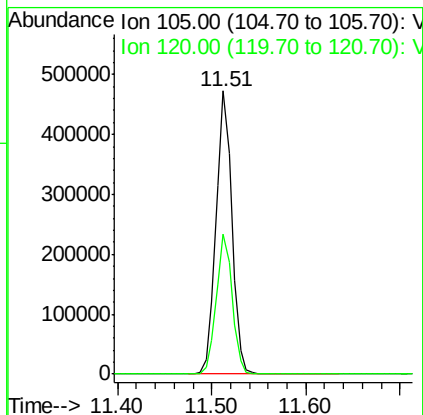
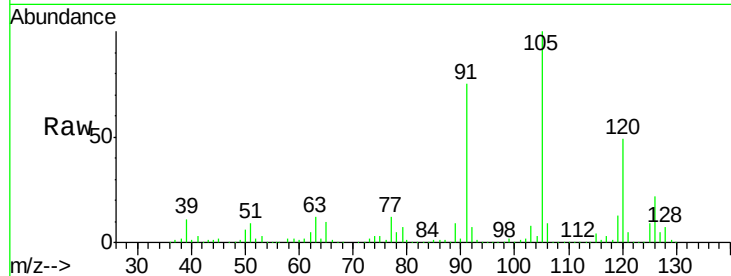
#80
 1,3,5-Trimethylbenzene
 Concen: 51.00 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion:105 Resp: 553628
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.0 75.0

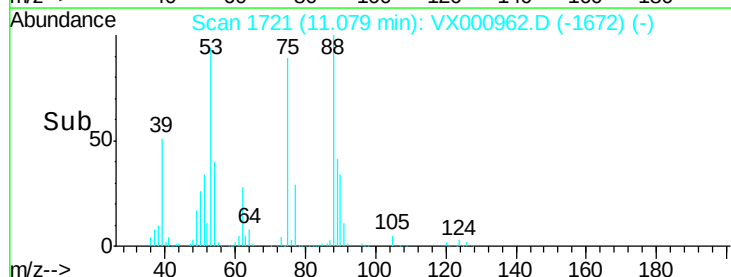
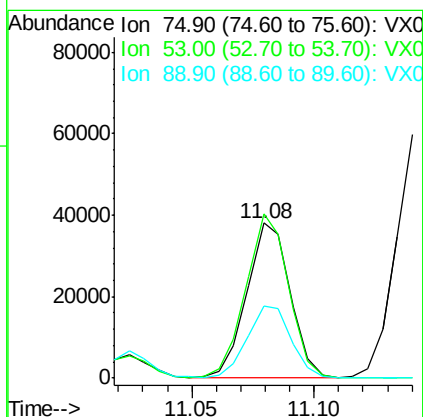
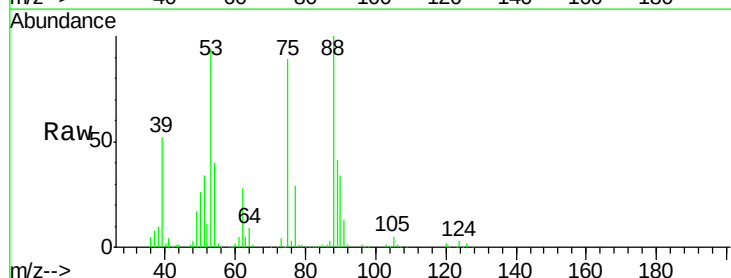
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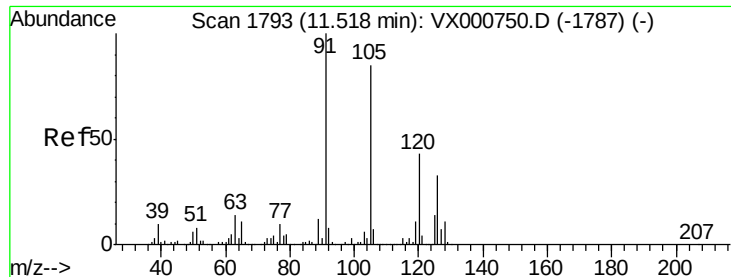
MMDadoda
 4/18/2018 2:45:14 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.48 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion: 75 Resp: 46746
 Ion Ratio Lower Upper
 75 100
 53 105.9 75.4 113.0
 89 47.6 40.9 61.3





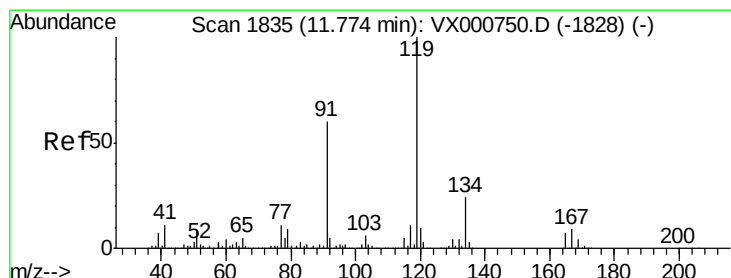
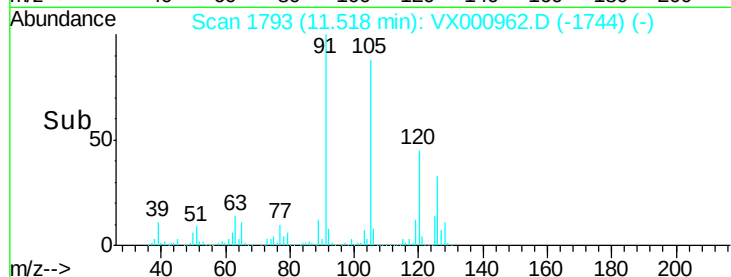
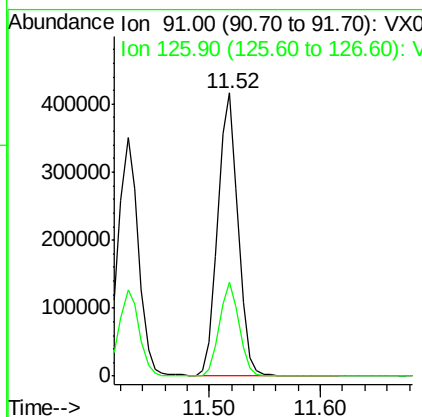
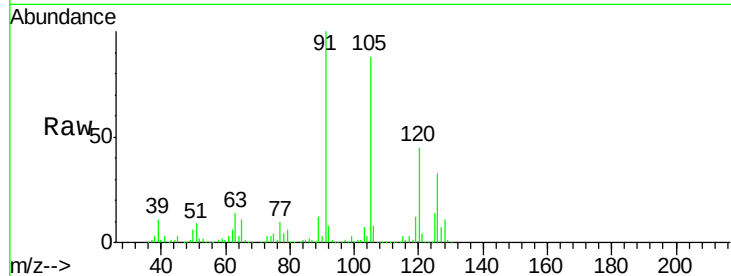
#82
4-Chlorotoluene
Concen: 50.93 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6

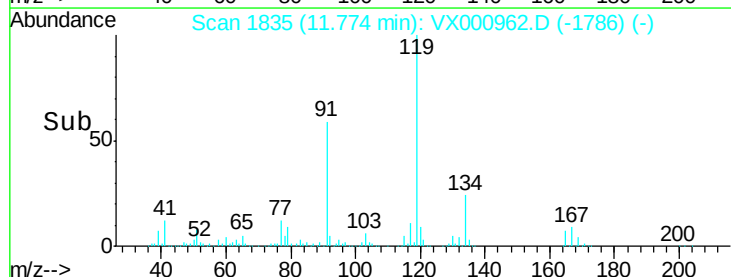
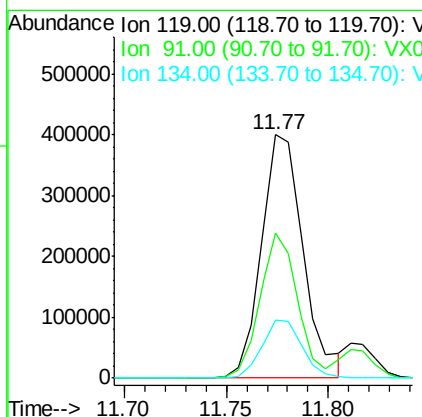
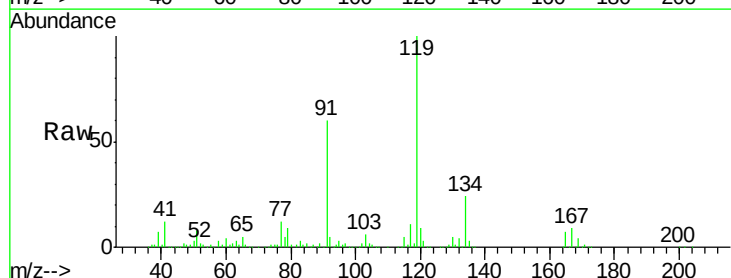
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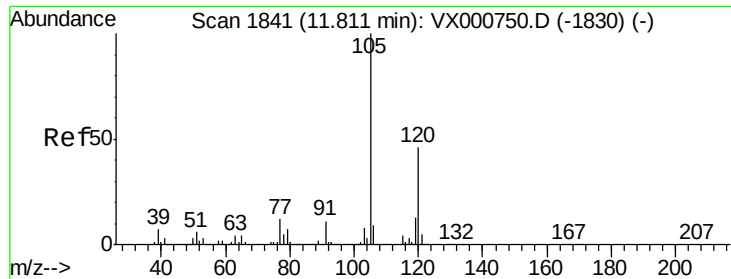
MMDadoda
4/18/2018 2:45:14 PM



#83
tert-Butylbenzene
Concen: 51.42 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
119	100		
91	53.5	26.8	80.3
134	23.0	11.5	34.4





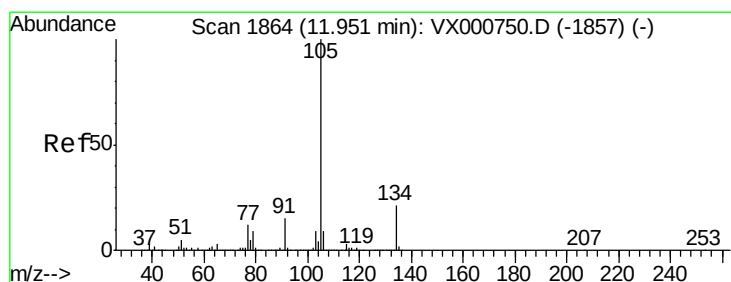
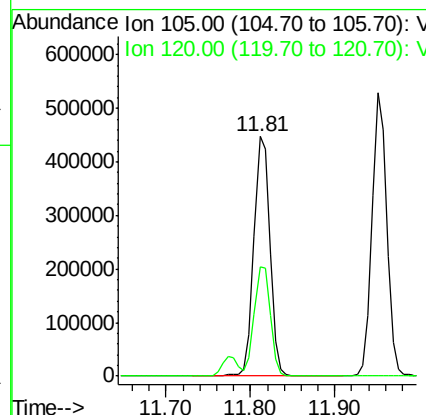
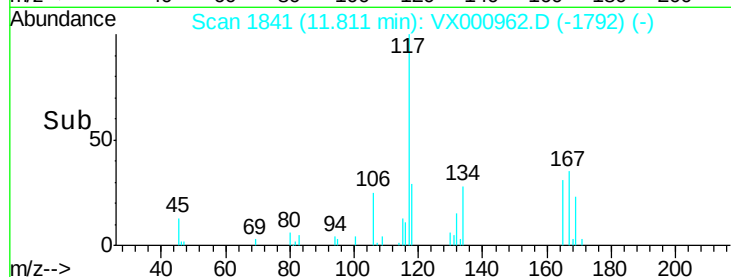
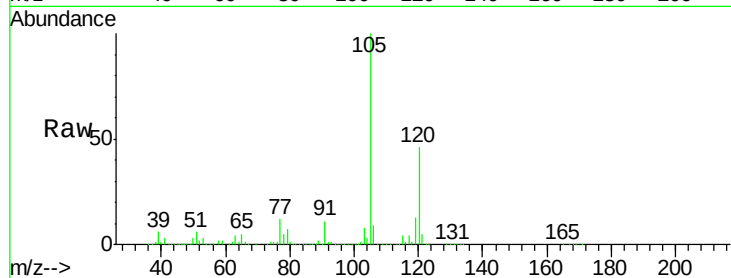
#84
 1,2,4-Trimethylbenzene
 Concen: 50.54 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.3

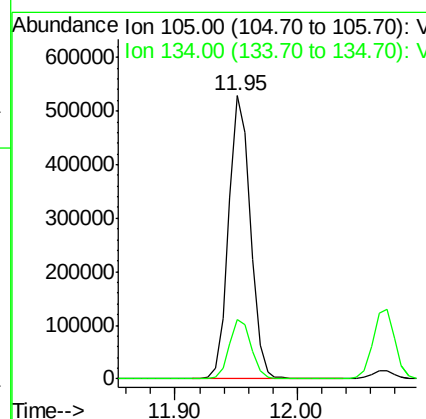
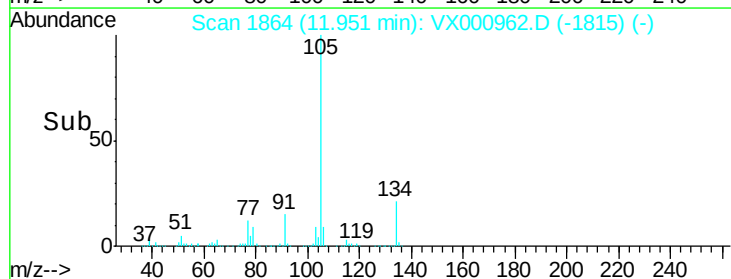
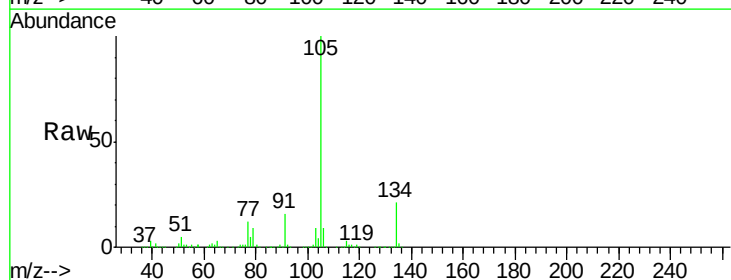
Manual Integrations
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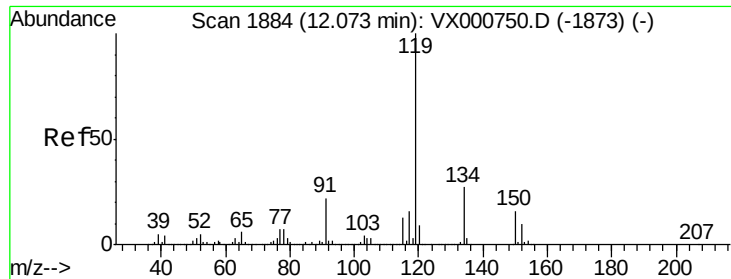
MMDadoda
 4/18/2018 2:45:14 PM



#85
 sec-Butylbenzene
 Concen: 49.45 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.8	32.4





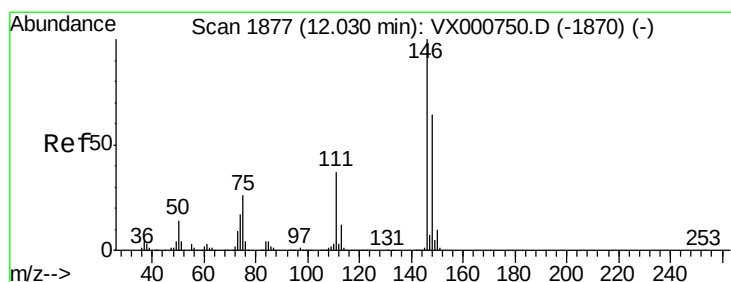
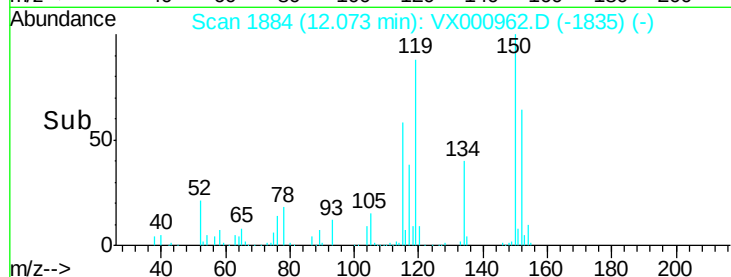
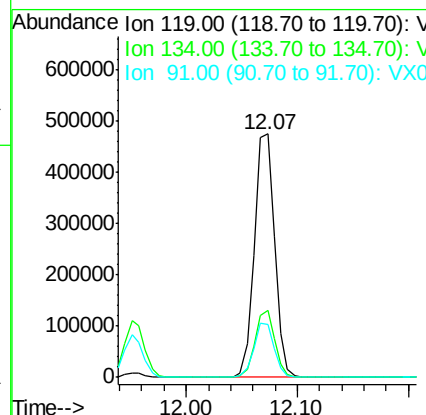
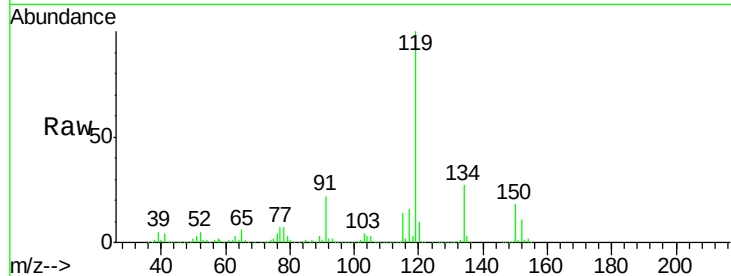
#86
p-Isopropyltoluene
Concen: 49.16 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	600628		
134	26.7		13.6	40.7
91	22.2		11.2	33.5

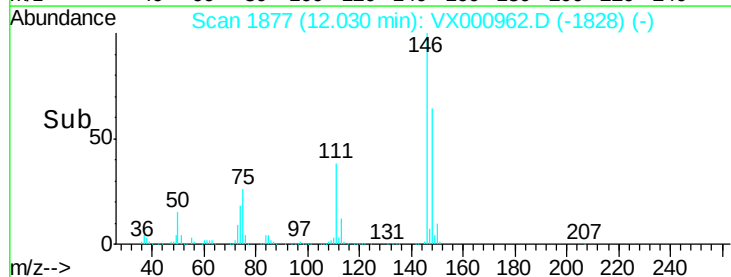
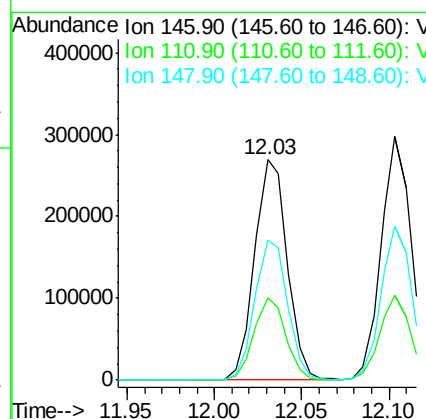
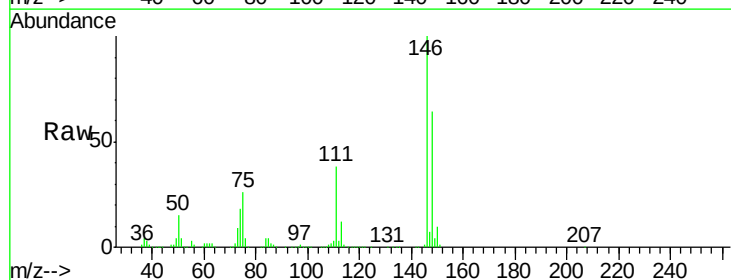
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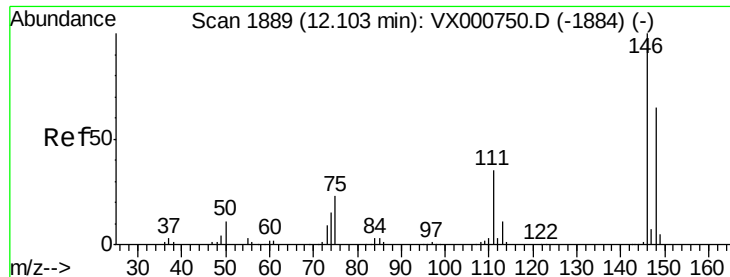
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 51.05 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	349484		
111	36.5		18.3	54.8
148	63.8		32.2	96.6





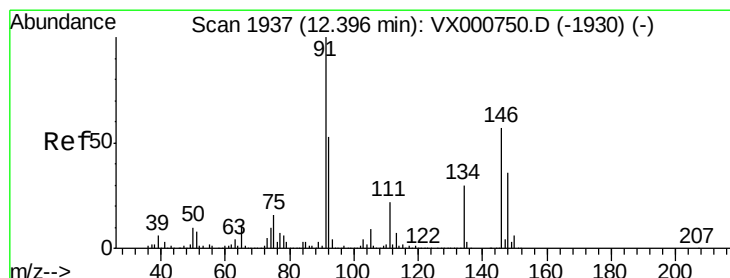
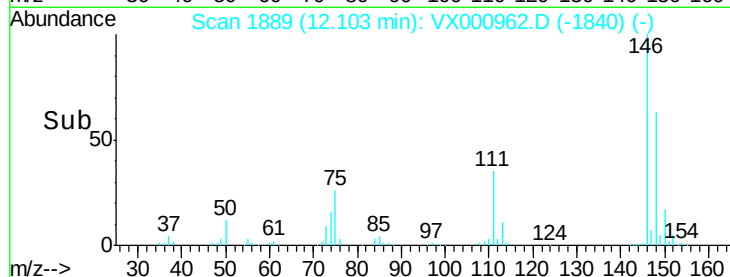
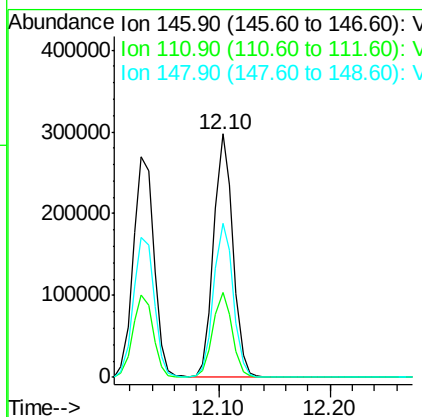
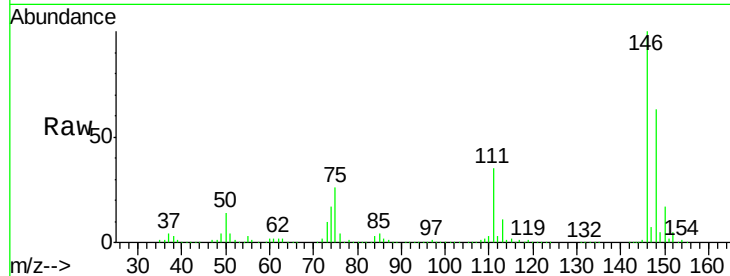
#88
 1,4-Dichlorobenzene
 Concen: 50.86 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.9	53.8
148	64.6	32.6	97.7

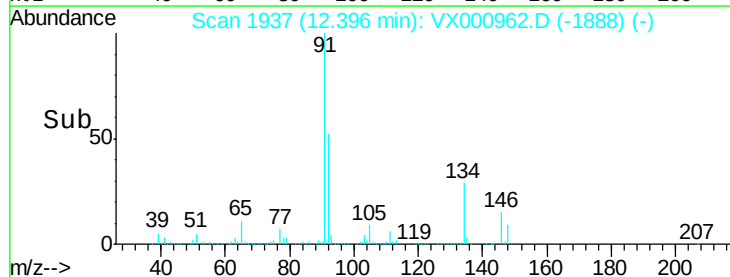
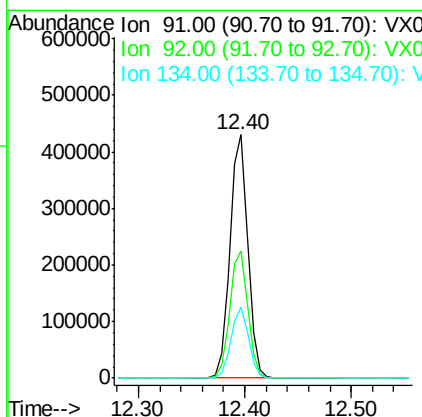
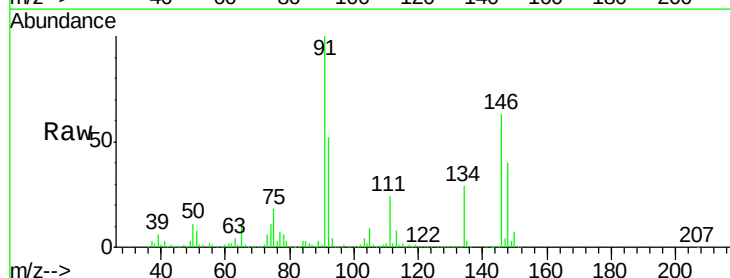
Manual Integrations
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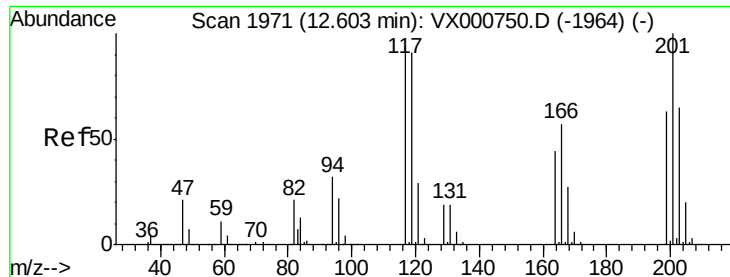
MMDadoda
 4/18/2018 2:45:14 PM



#89
 n-Butylbenzene
 Concen: 47.02 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	28.7	14.5	43.5





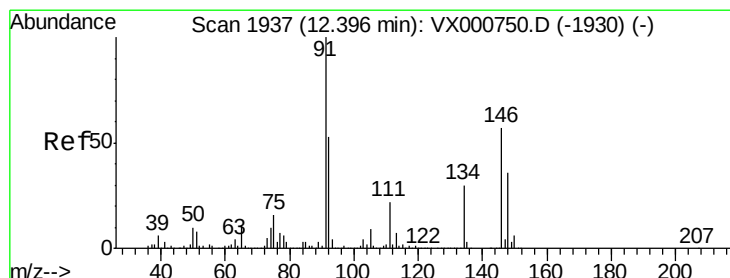
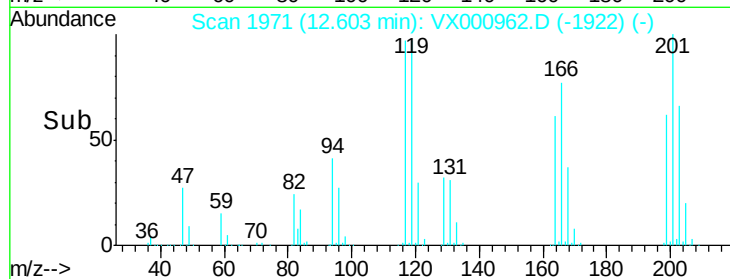
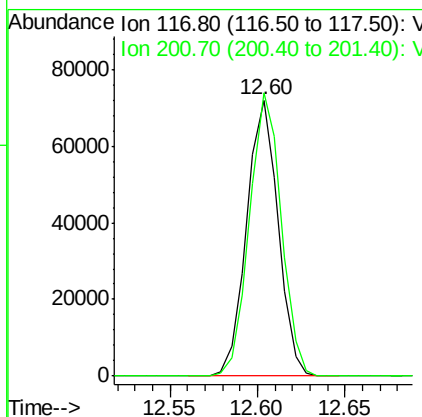
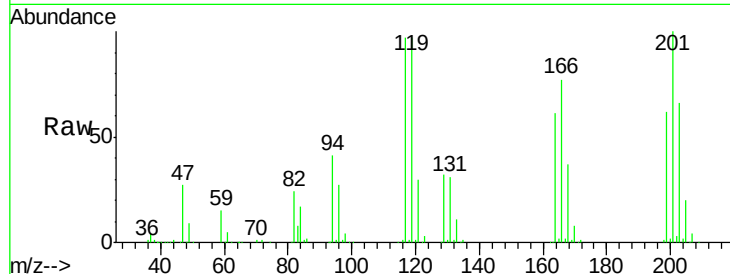
#90
Hexachloroethane
Concen: 43.50 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Instrument :
MSVOA_X
ClientSampleId :
LF012MW001-180410MS

Tot Ion:117 Resp: 89934
Ion Ratio Lower Upper
117 100
201 103.6 52.9 158.7

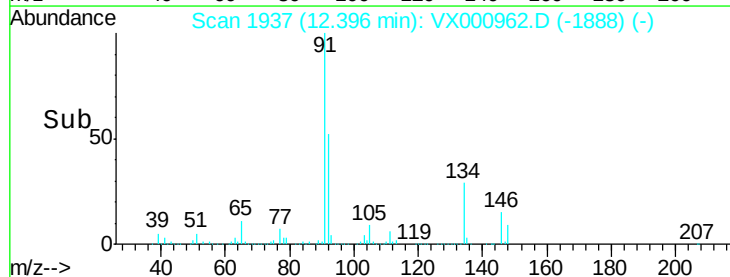
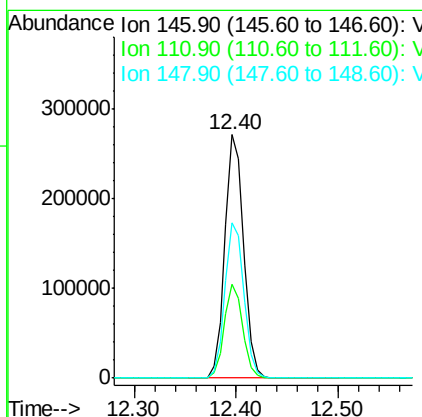
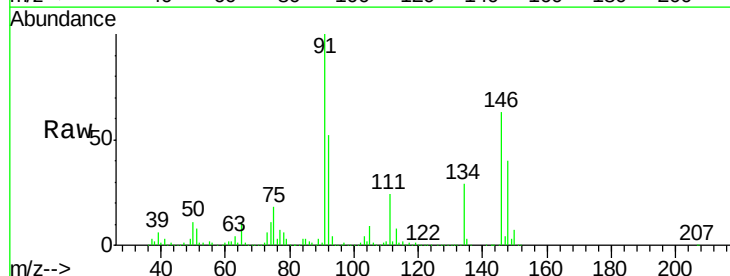
Manual Integrations
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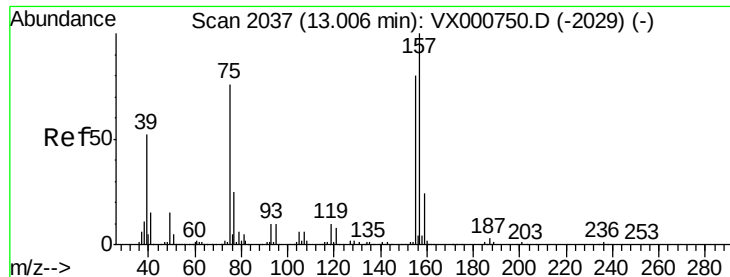
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 52.28 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000962.D
Acq: 17 Apr 2018 10:29

Tgt Ion:146 Resp: 345512
Ion Ratio Lower Upper
146 100
111 37.9 18.9 56.7
148 64.6 32.0 96.2





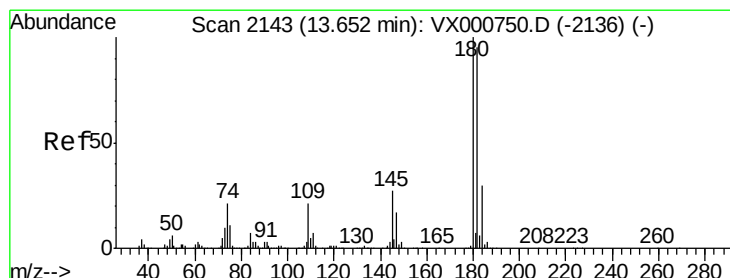
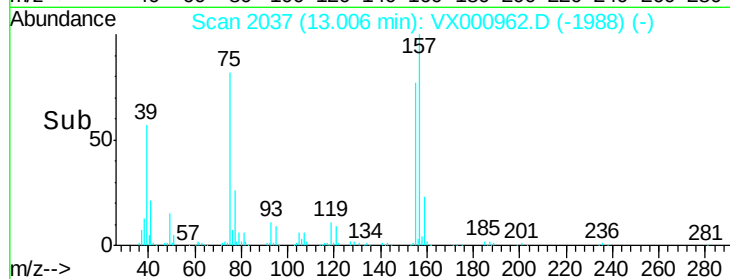
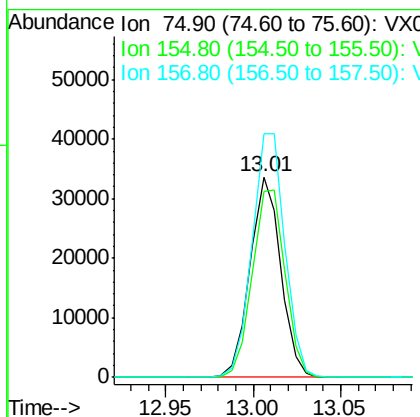
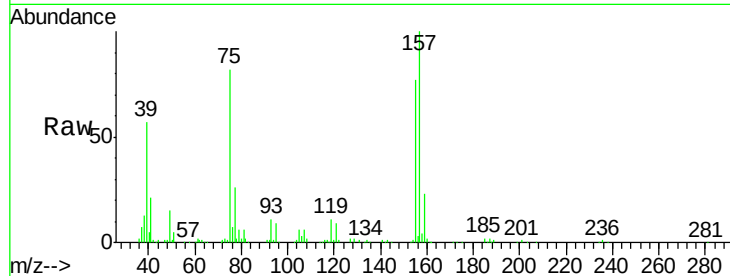
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.65 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	99.8	51.9	155.8
157	129.9	66.6	199.8

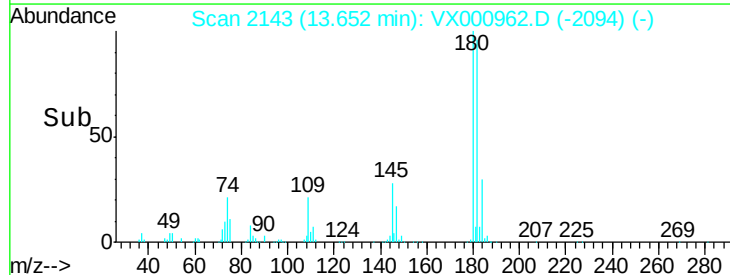
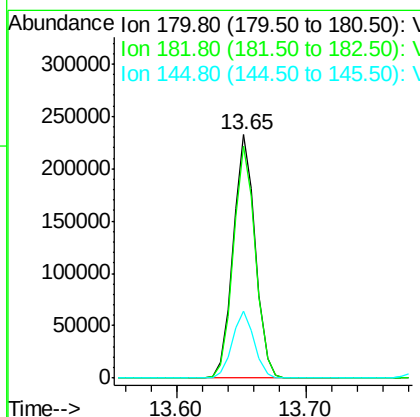
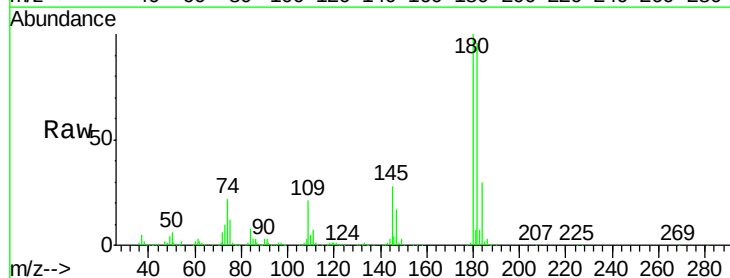
Manual Integrations
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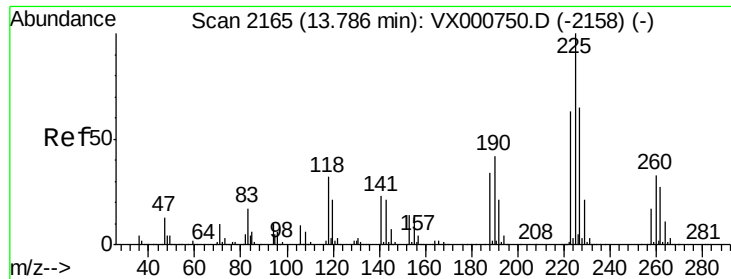
MMDadoda
 4/18/2018 2:45:14 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.10 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	27.5	13.8	41.4





#94

Hexachlorobutadiene

Concen: 38.65 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Instrument :

MSVOA_X

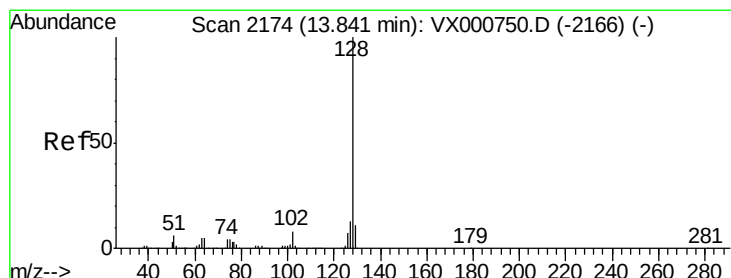
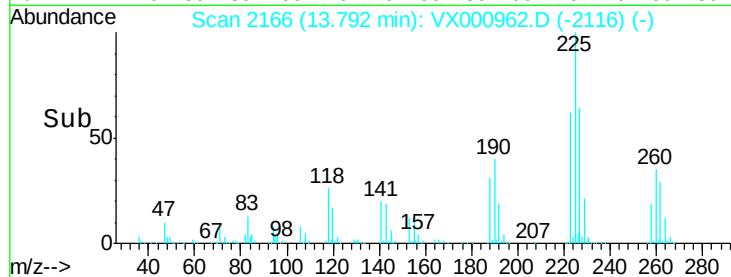
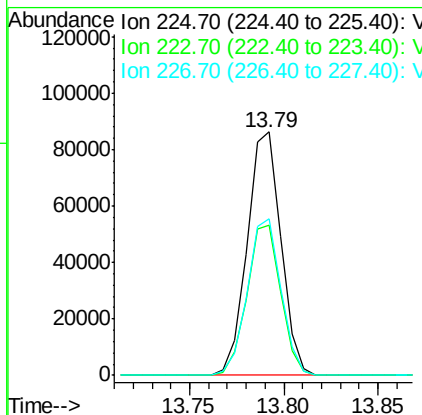
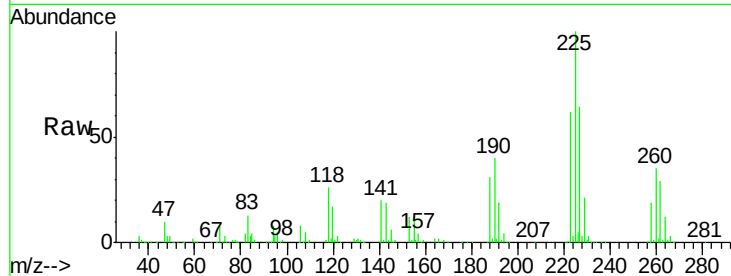
ClientSampleId :

LF012MW001-180410MS

Tot Ion:	225	Resp:	107183
Ion Ratio		Lower	Upper
225	100		
223	61.9	31.2	93.6
227	64.0	32.3	96.9

Manual Integrations
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#95

Naphthalene

Concen: 50.97 ug/l

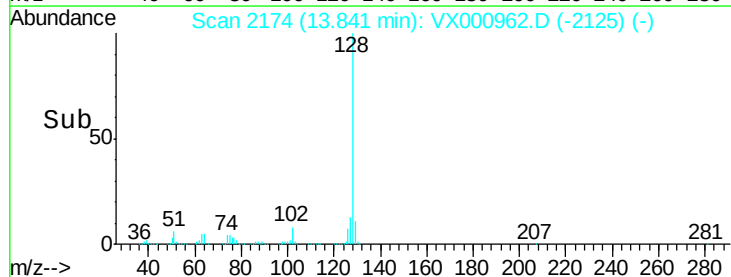
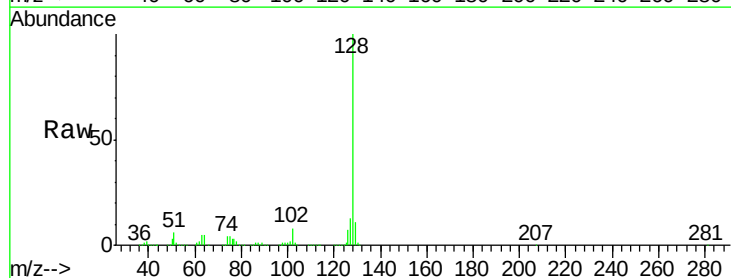
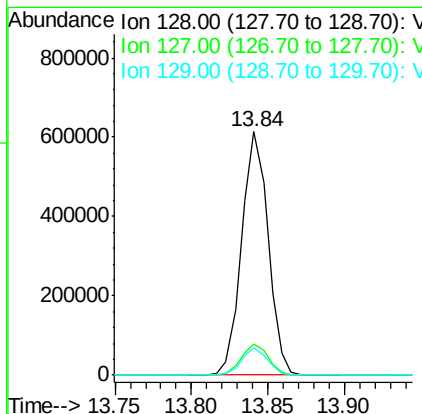
RT: 13.84 min Scan# 2174

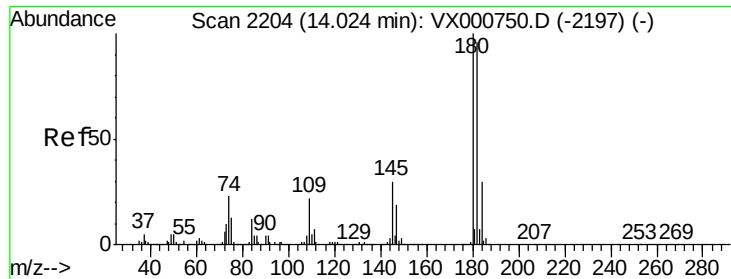
Delta R.T. -0.00 min

Lab File: VX000962.D

Acq: 17 Apr 2018 10:29

Tgt Ion:	128	Resp:	737943
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 49.31 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: VX000962.D
 Acq: 17 Apr 2018 10:29

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW001-180410MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270089		
182	95.8		48.4	145.2
145	29.1		14.6	43.8

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:14 PM

