

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX050118\
 Data File : VX001292.D
 Acq On : 01 May 2018 22:33
 Operator : JC/MD
 Sample : J2507-04 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:58 PM

Quant Time: May 02 05:49:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	165379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	220120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	199273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113718	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	124307	54.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.60%	
35) Dibromofluoromethane	5.51	113	103502	54.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.16%	
50) Toluene-d8	8.72	98	386028	56.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.96%	
62) 4-Bromofluorobenzene	11.14	95	126405	46.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.30%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.40	62	251947	133.27	ug/l	100
16) Acetone	2.45	43	33569	34.35	ug/l	98
24) 1,1-Dichloroethane	3.70	63	123013	39.51	ug/l	99
25) 2-Butanone	4.72	43	398972	301.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	13884	7.00	ug/l	91
40) Benzene	6.15	78	2161	0.30	ug/l #	76
49) 1,4-Dioxane	7.76	88	15811	379.50	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	132185	49.37	ug/l	98
52) Toluene	8.79	92	549246	114.97	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	4128	2.14	ug/l	94
65) Chlorobenzene	10.15	112	4261	0.79	ug/l	99
67) Ethyl Benzene	10.26	91	6267	0.70	ug/l	96
68) m/p-Xylenes	10.37	106	4423	1.26	ug/l	89
69) o-Xylene	10.70	106	2205	0.65	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	1206	0.29	ug/l	87
88) 1,4-Dichlorobenzene	12.10	146	5338m	1.26	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	27197	6.67	ug/l	99
95) Naphthalene	13.84	128	6710	0.81	ug/l	97

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

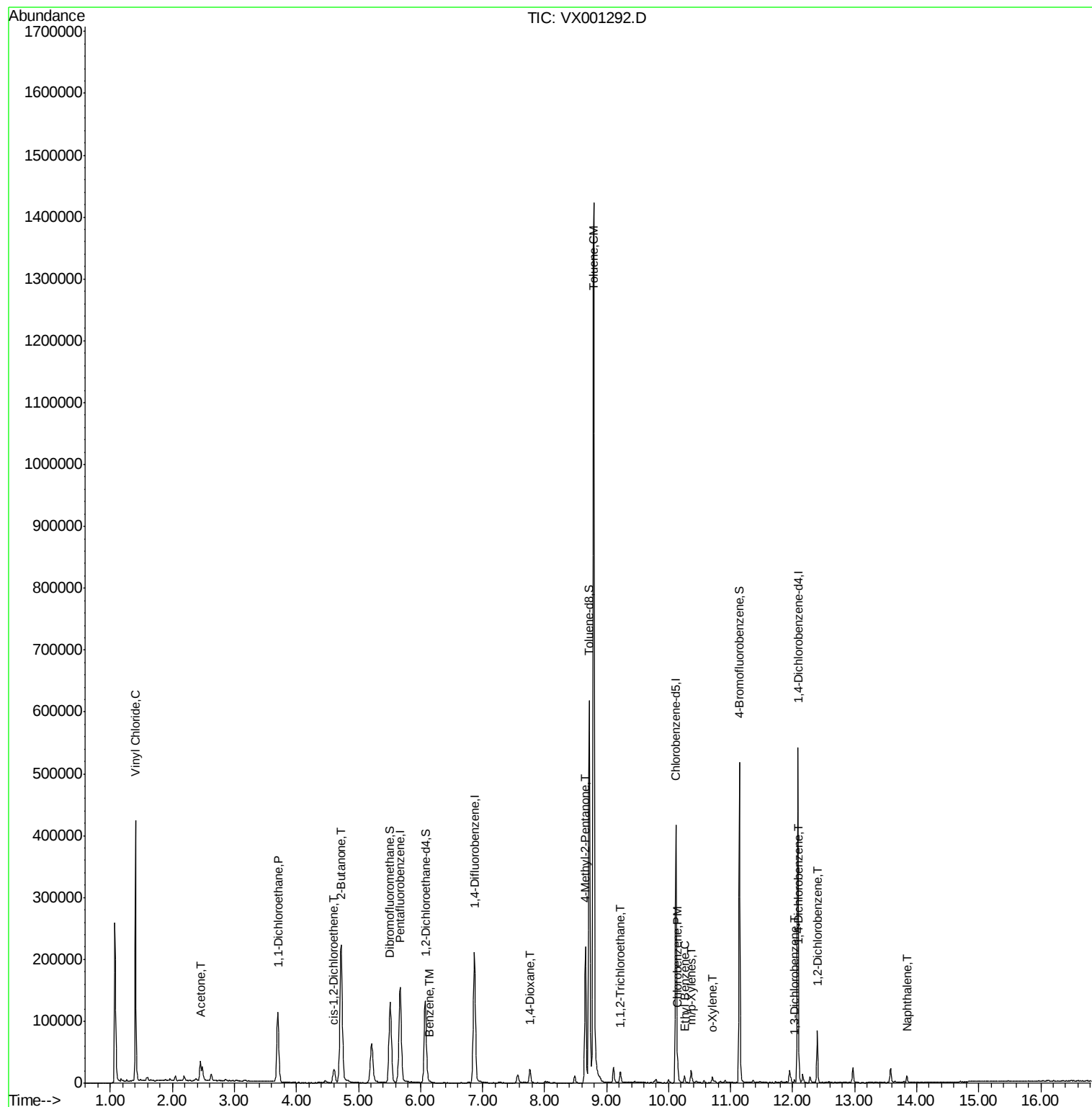
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
Data File : VX001292.D
Acq On : 01 May 2018 22:33
Operator : JC/MD
Sample : J2507-04 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

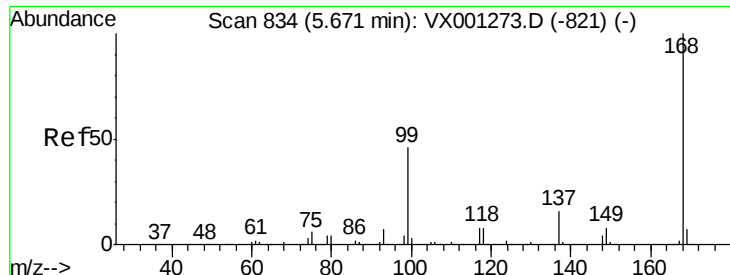
Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:58 PM

Quant Time: May 02 05:49:32 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

Tot Ion:168 Resp: 165379

Ion Ratio Lower Upper

168 100

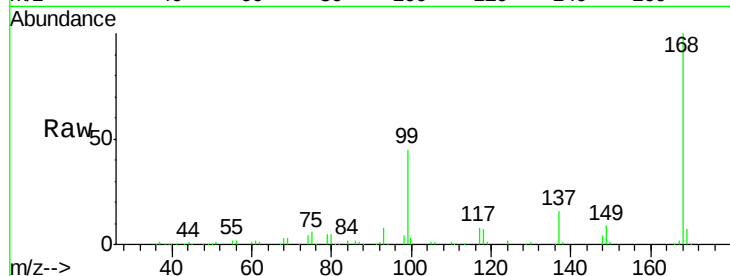
99 45.5 36.5 54.7

Manual Integrations

APPROVED

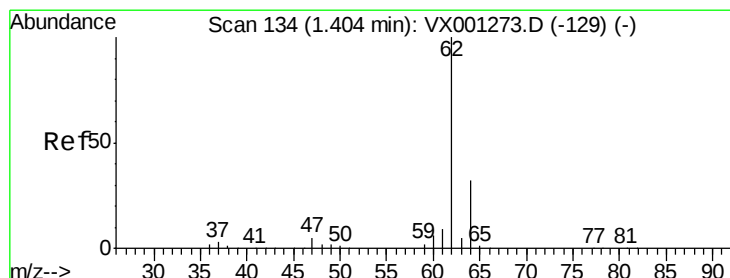
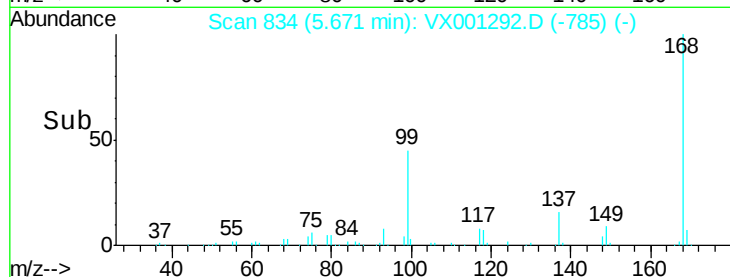
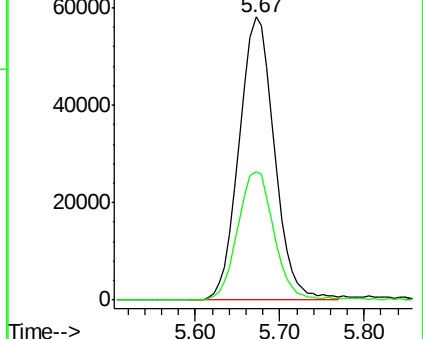
MMDadoda

5/2/2018 4:20:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 133.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001292.D

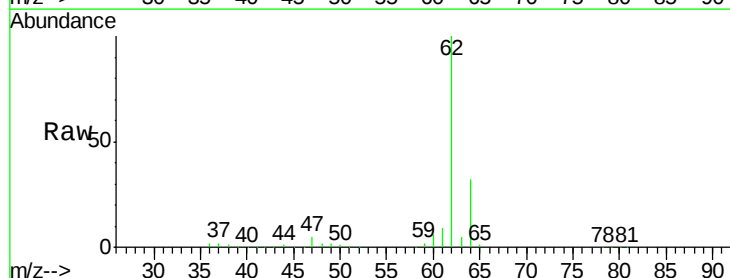
Acq: 01 May 2018 22:33

Tgt Ion: 62 Resp: 251947

Ion Ratio Lower Upper

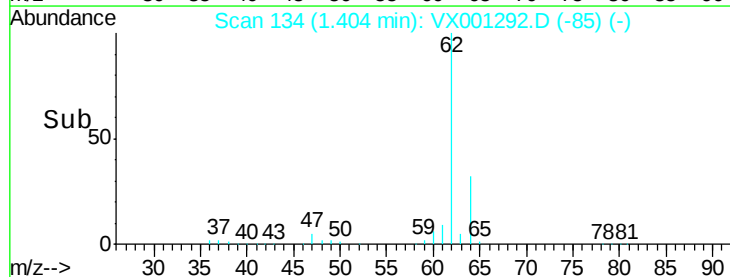
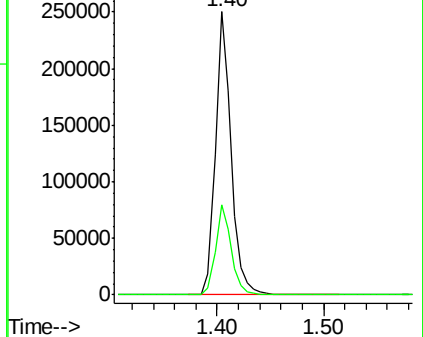
62 100

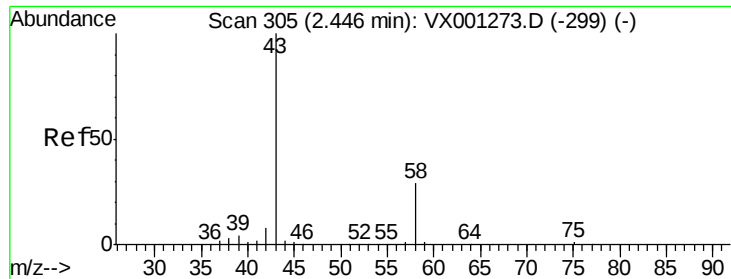
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 34.35 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

Tot Ion: 43 Resp: 33569

Ion Ratio Lower Upper

43 100

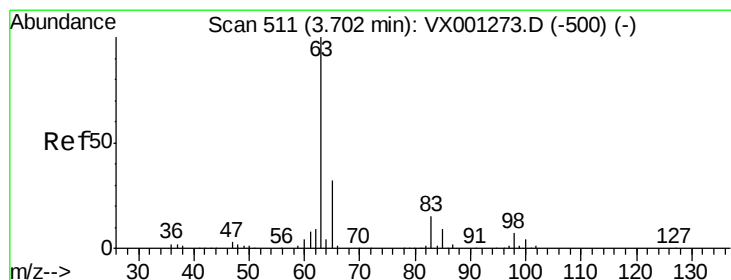
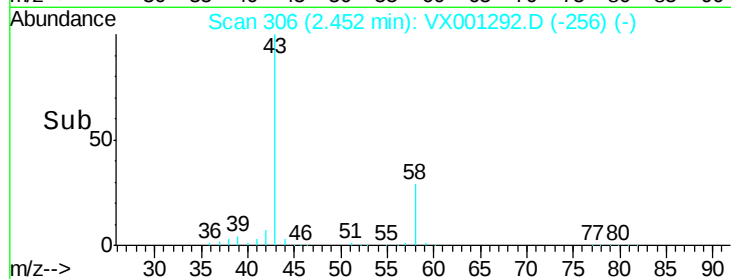
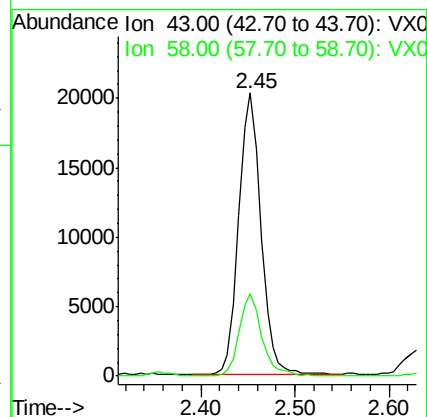
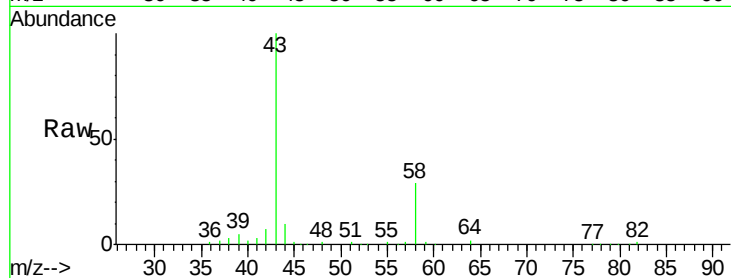
58 29.4 22.8 34.2

Manual Integrations

APPROVED

MMDadoda

5/2/2018 4:20:58 PM



#24

1,1-Dichloroethane

Concen: 39.51 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

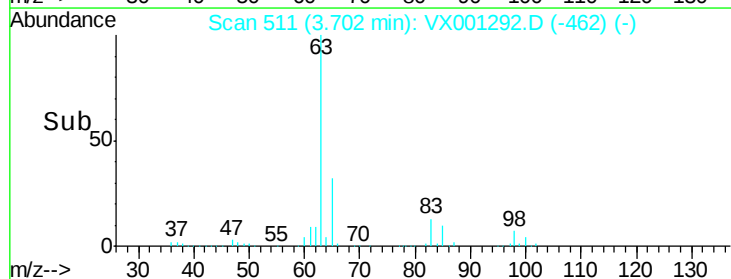
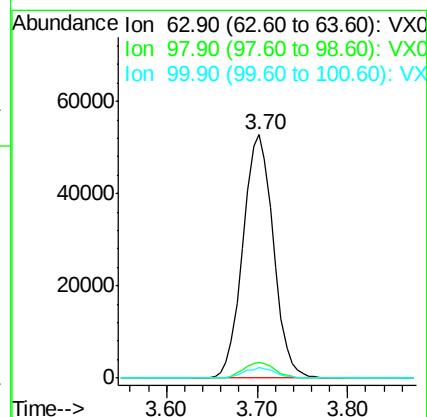
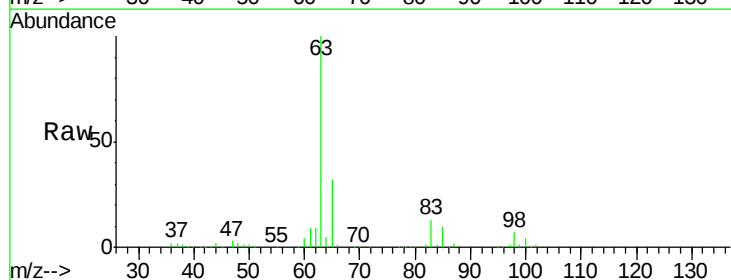
Tgt Ion: 63 Resp: 123013

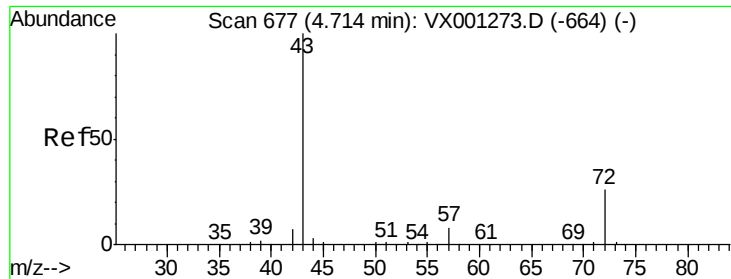
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 301.96 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

KY032MW006-180419

Tot Ion: 43 Resp: 398972

Ion Ratio Lower Upper

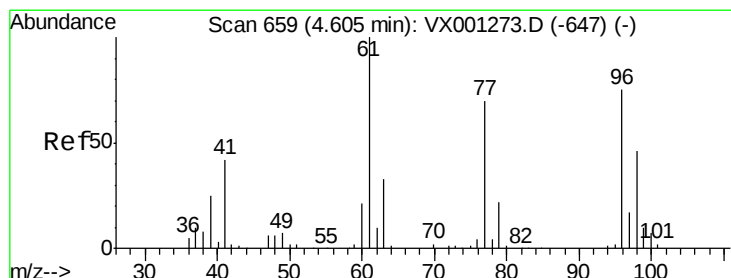
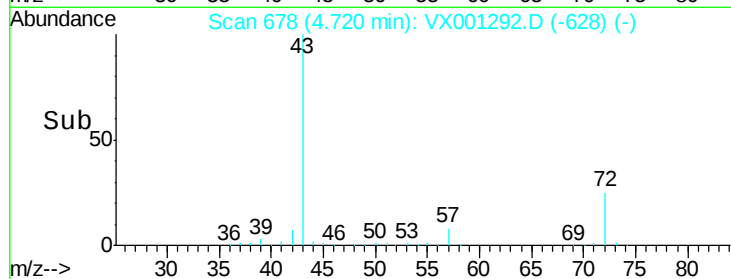
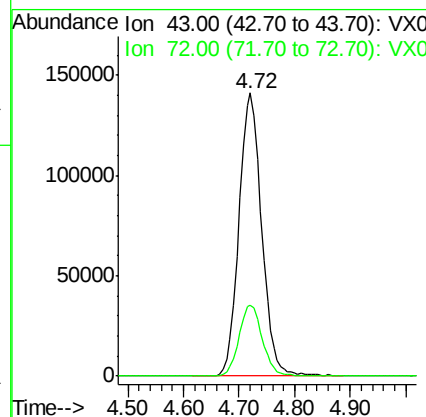
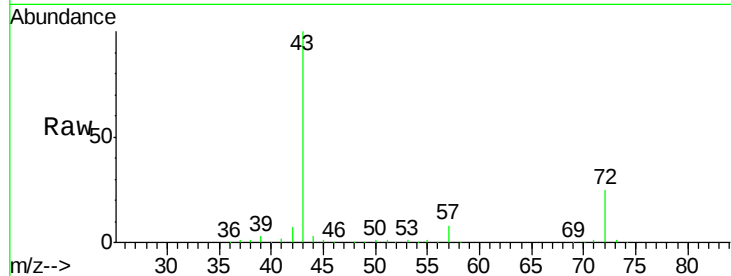
43 100

72 25.0 20.5 30.7

Manual Integrations
APPROVED

MMDadoda

5/2/2018 4:20:58 PM



#27

cis-1,2-Dichloroethene

Concen: 7.00 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

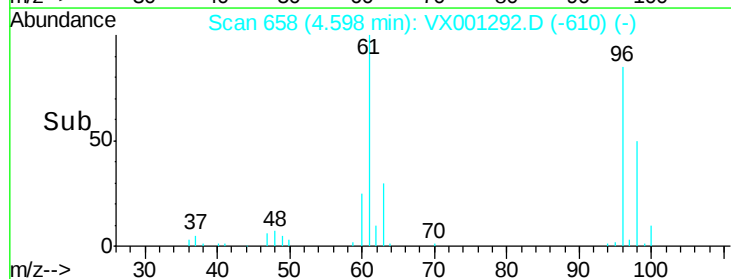
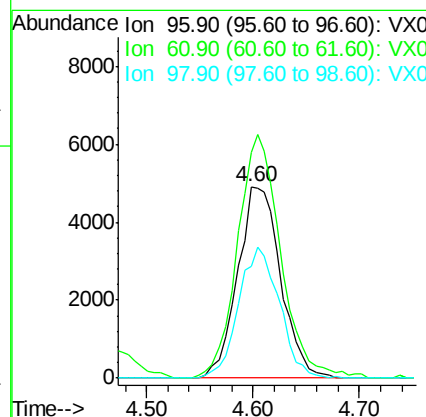
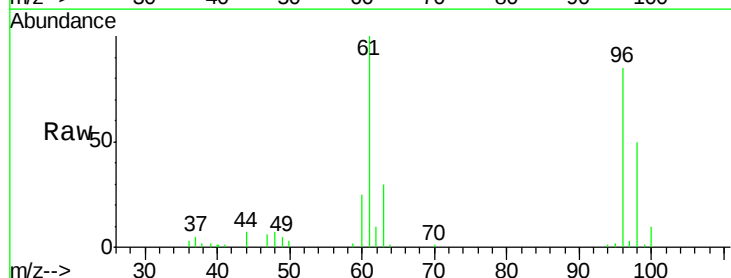
Tgt Ion: 96 Resp: 13884

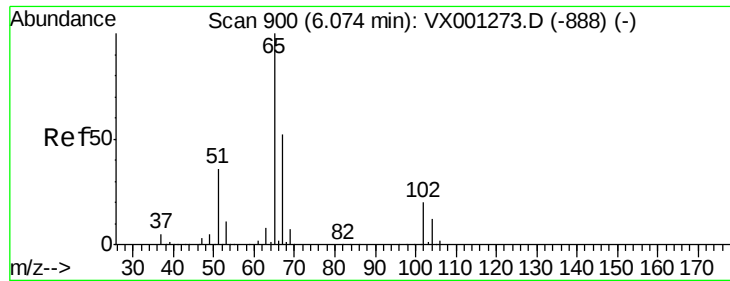
Ion Ratio Lower Upper

96 100

61 128.2 0.0 288.0

98 65.2 0.0 130.2





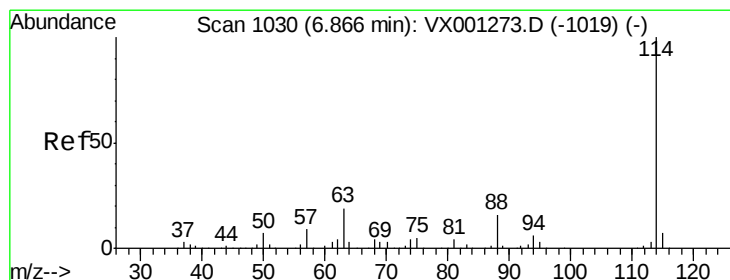
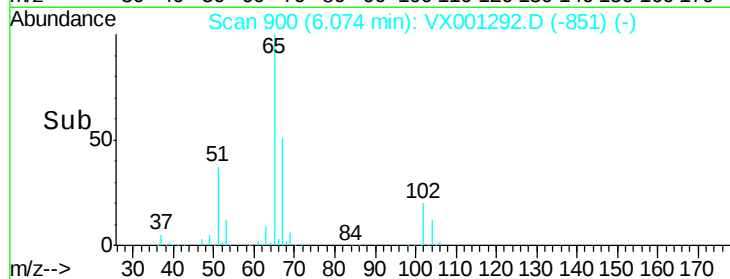
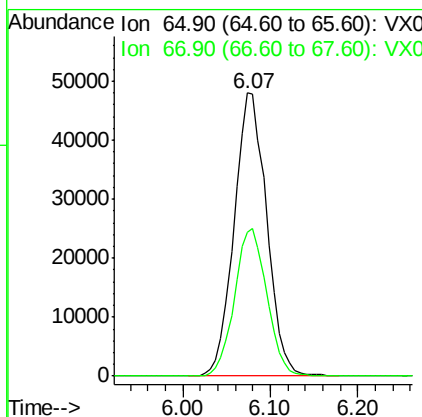
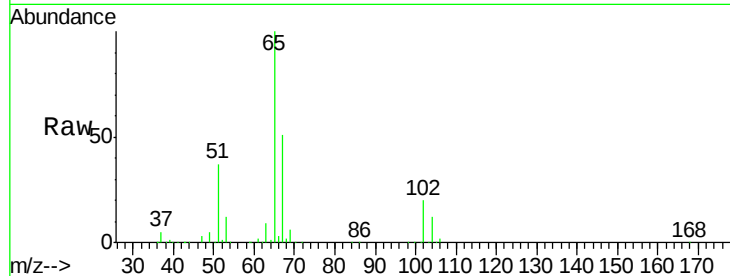
#33
 1,2-Dichloroethane-d4
 Concen: 54.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001292.D
 Acq: 01 May 2018 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.8

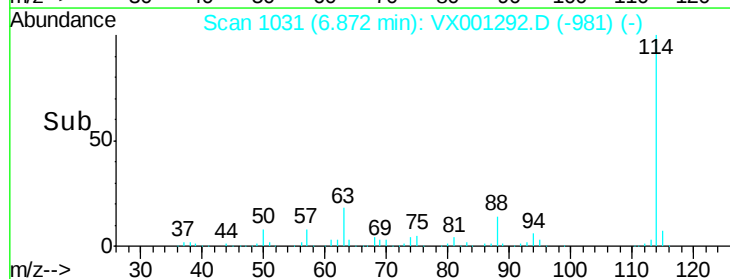
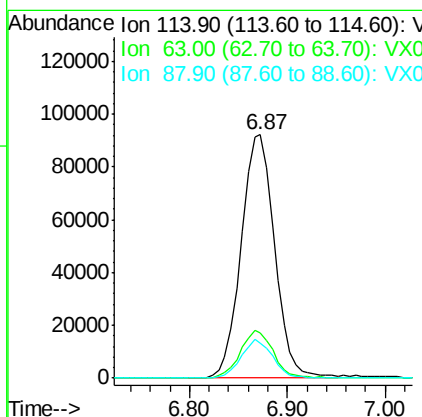
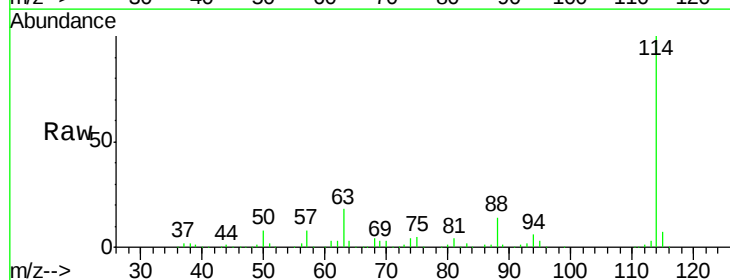
Manual Integrations
 APPROVED

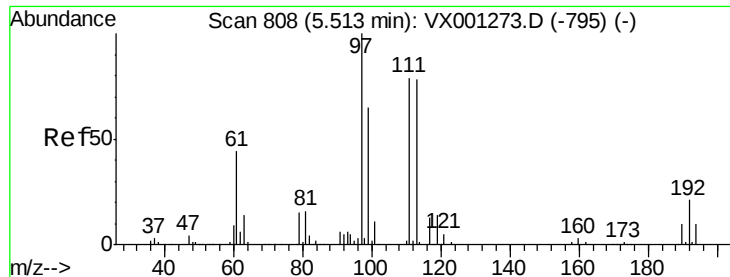
MMDadoda
 5/2/2018 4:20:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001292.D
 Acq: 01 May 2018 22:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.8
88	14.4	0.0	32.2





#35

Dibromofluoromethane

Concen: 54.58 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Instrument :

MSVOA_X

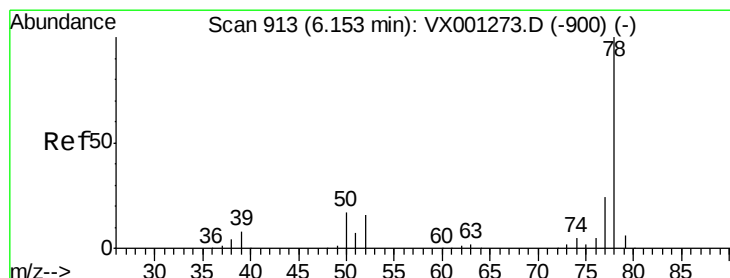
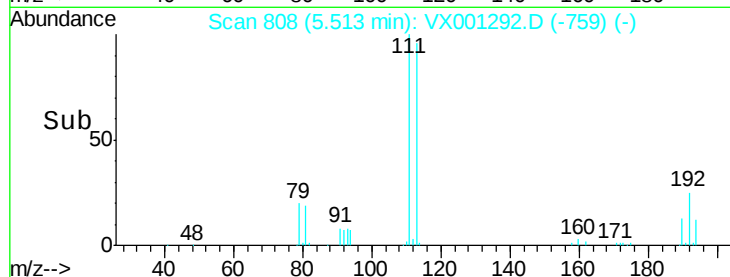
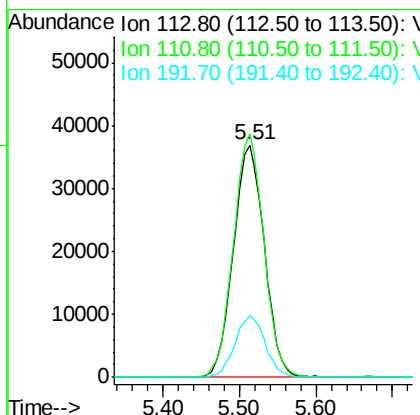
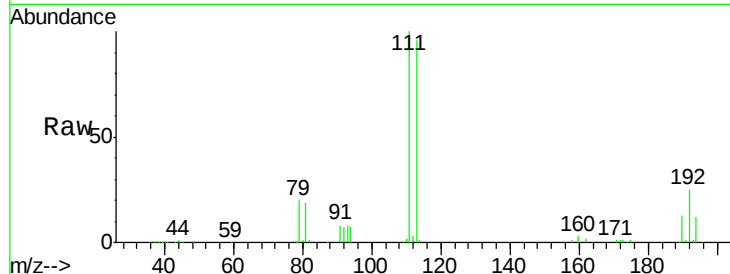
ClientSampleId :

KY032MW006-180419

Tot Ion:	113	Resp:	103502
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.2	121.8
192	25.9	20.7	31.1

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:58 PM



#40

Benzene

Concen: 0.30 ug/l

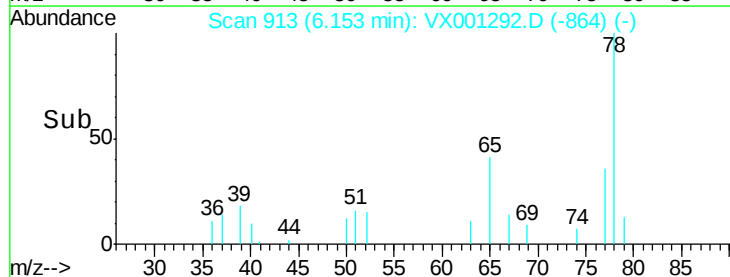
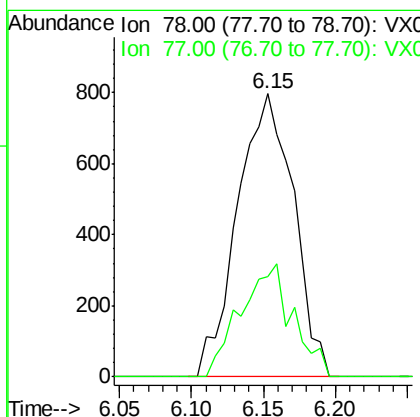
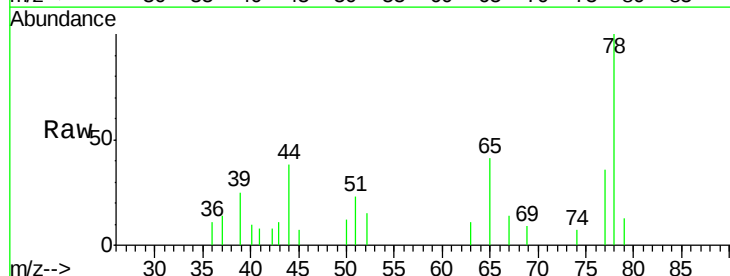
RT: 6.15 min Scan# 913

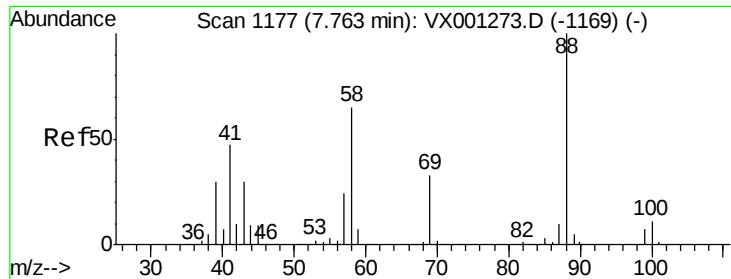
Delta R.T. -0.00 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Tgt Ion:	78	Resp:	2161
Ion	Ratio	Lower	Upper
78	100		
77	35.5	19.0	28.4#





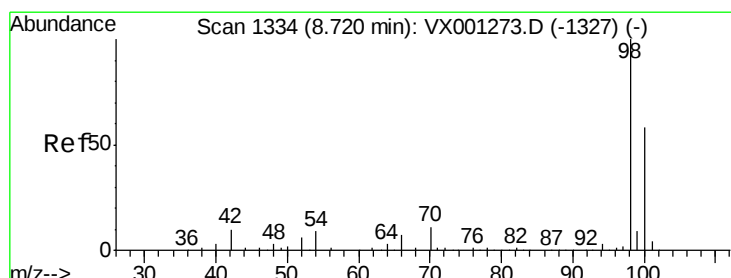
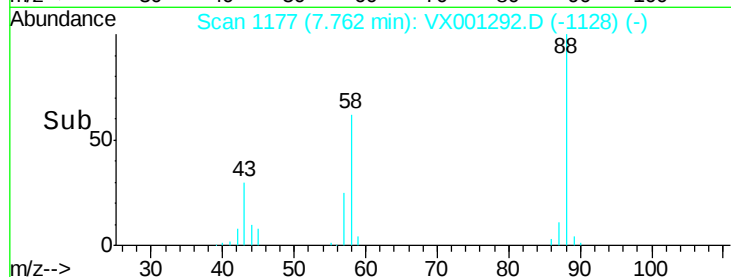
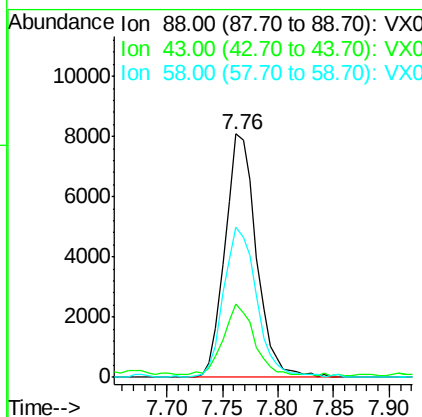
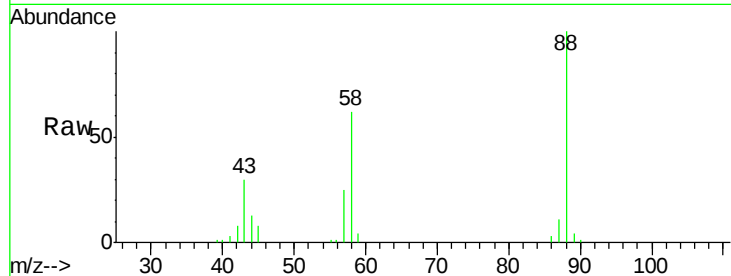
#49
1,4-Dioxane
Concen: 379.50 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	27.9	41.9
58	65.0	54.2	81.2

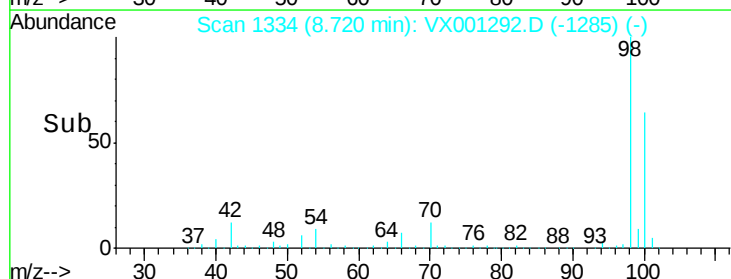
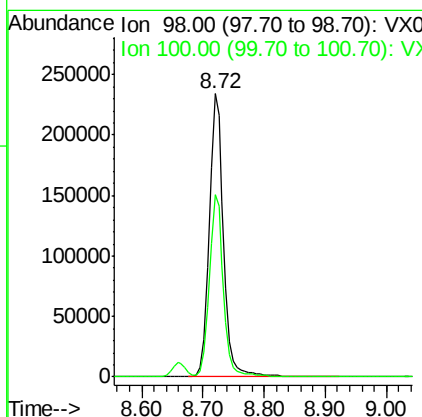
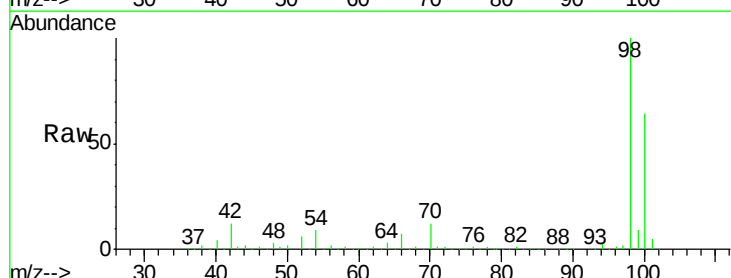
Manual Integrations
APPROVED

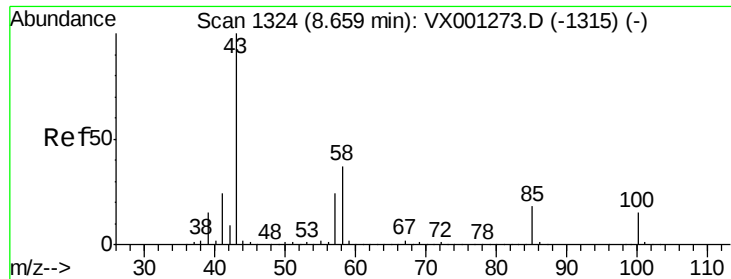
MMDadoda
5/2/2018 4:20:58 PM



#50
Toluene-d8
Concen: 56.98 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.0	76.4





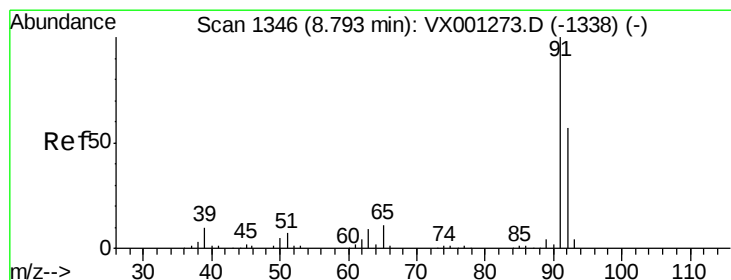
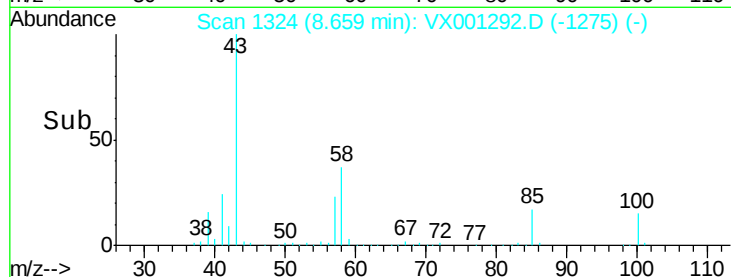
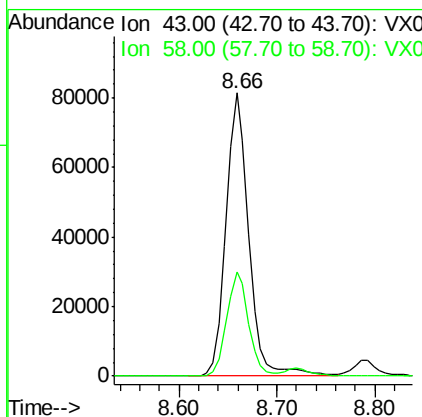
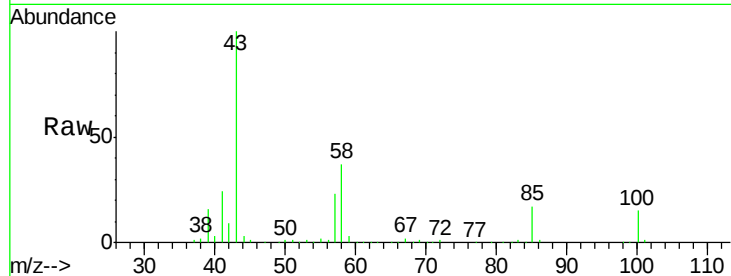
#51
4-Methyl-2-Pentanone
Concen: 49.37 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.0	43.6

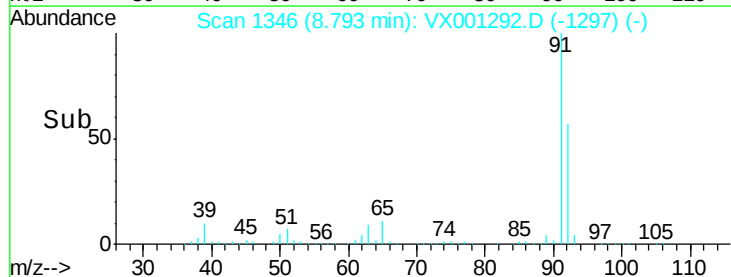
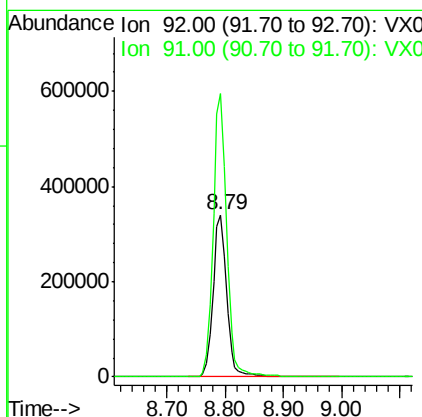
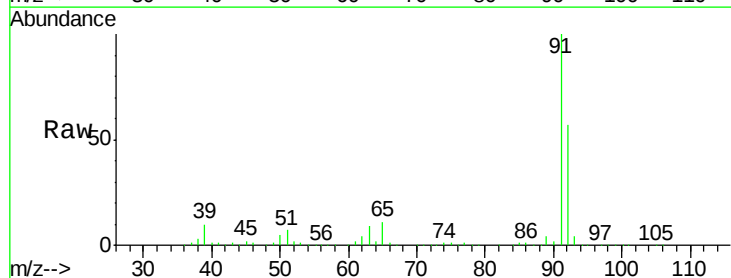
Manual Integrations
APPROVED

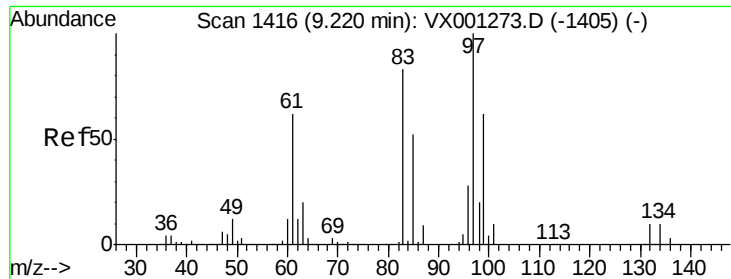
MMDadoda
5/2/2018 4:20:58 PM



#52
Toluene
Concen: 114.97 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	139.0	208.6





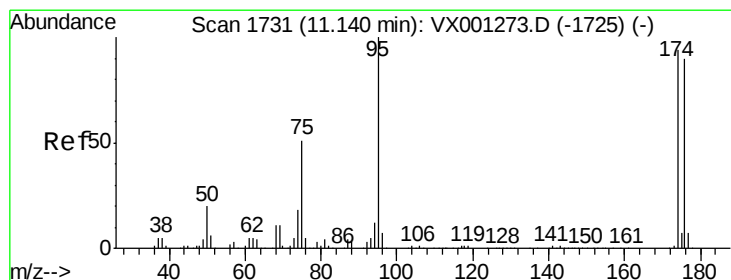
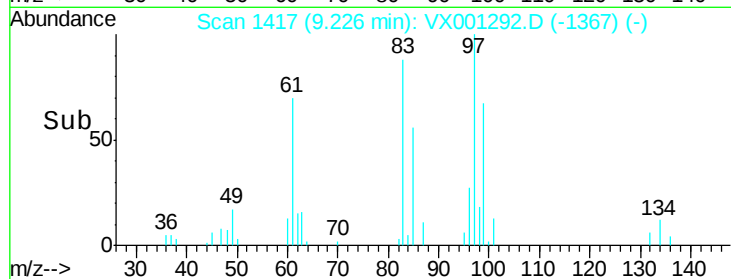
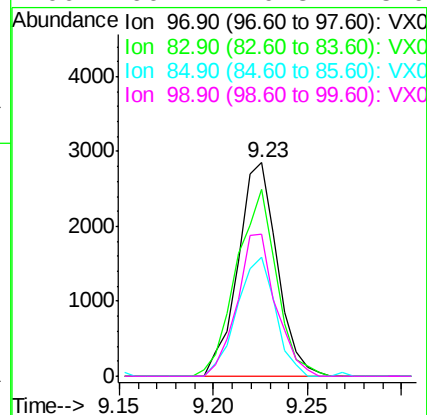
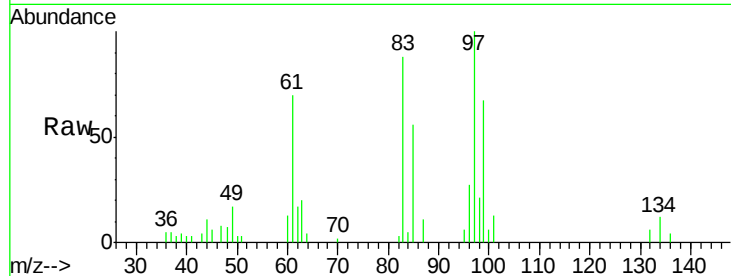
#55
 1,1,2-Trichloroethane
 Concen: 2.14 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001292.D
 Acq: 01 May 2018 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Tot Ion:	97	Resp:	4128
Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.4	99.6
85	56.0	41.6	62.4
99	66.7	49.3	73.9

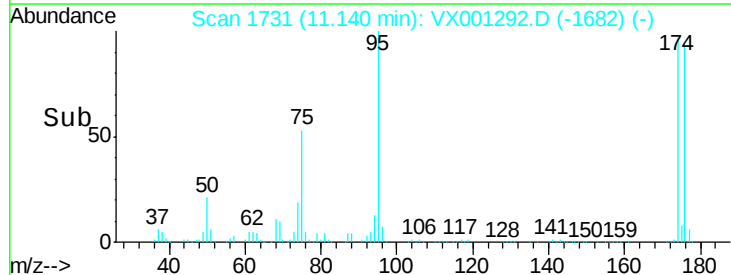
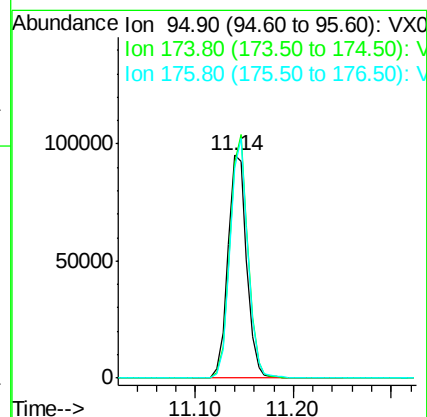
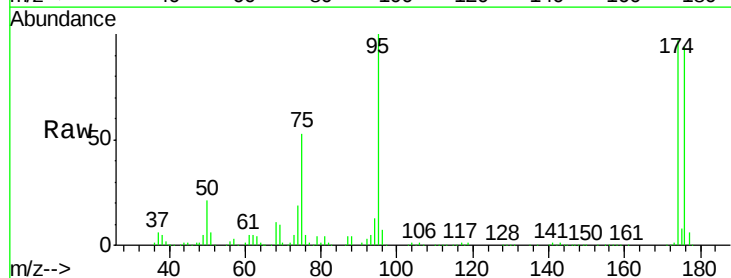
Manual Integrations
 APPROVED

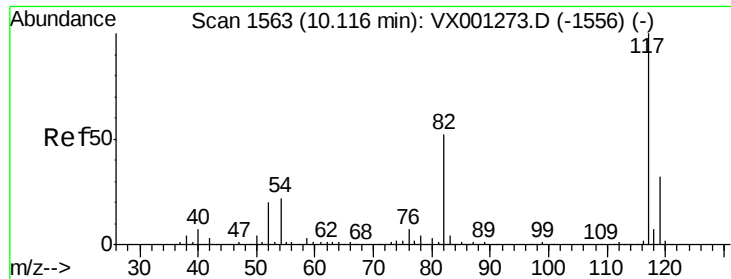
MMDadoda
 5/2/2018 4:20:58 PM



#62
 4-Bromofluorobenzene
 Concen: 46.65 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001292.D
 Acq: 01 May 2018 22:33

Tgt Ion:	95	Resp:	126405
Ion	Ratio	Lower	Upper
95	100		
174	104.8	0.0	201.8
176	102.0	0.0	197.2





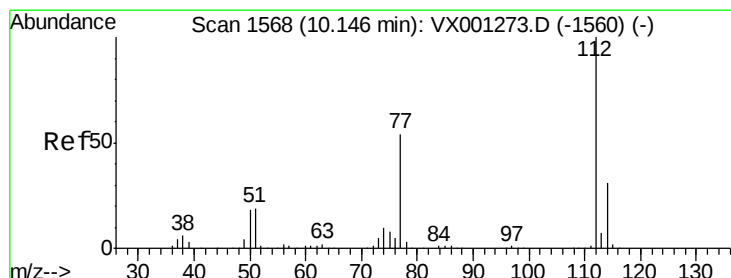
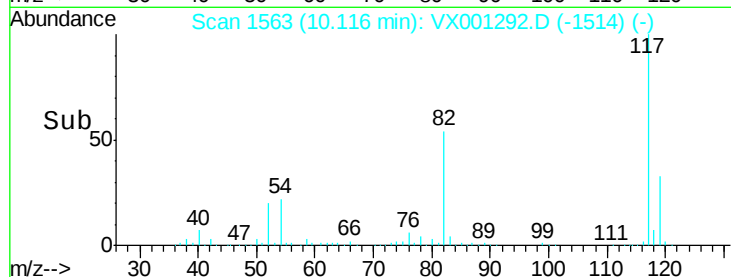
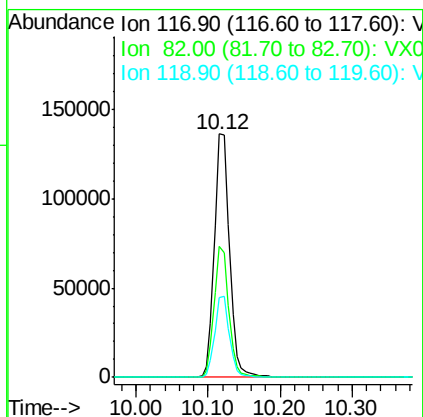
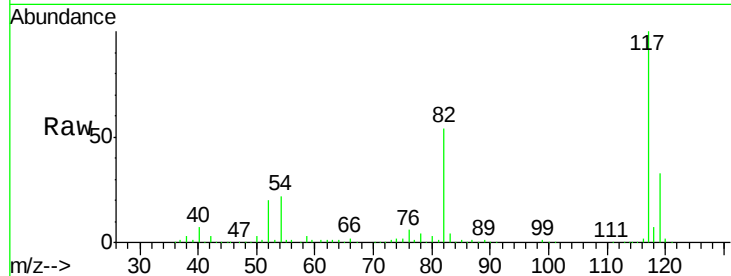
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion	Ratio	Resp	Lower	Upper
117	100	199273		
82	54.1	41.4	62.0	
119	32.9	25.5	38.3	

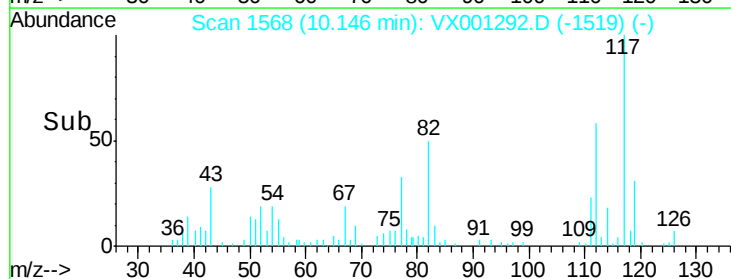
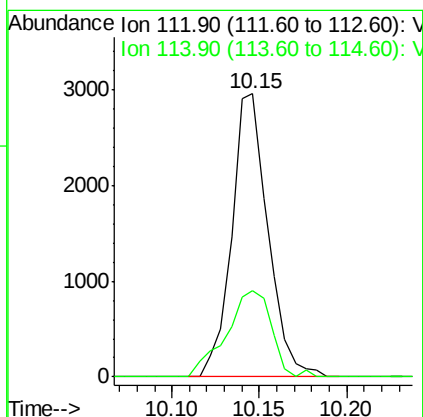
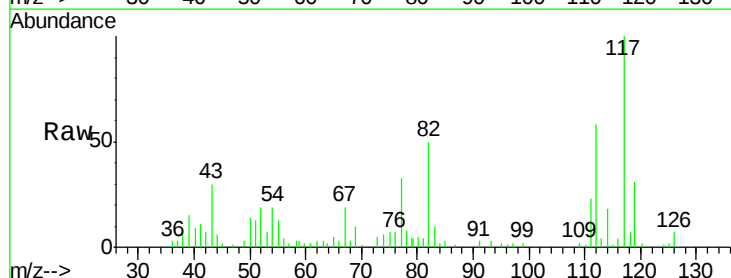
Manual Integrations
APPROVED

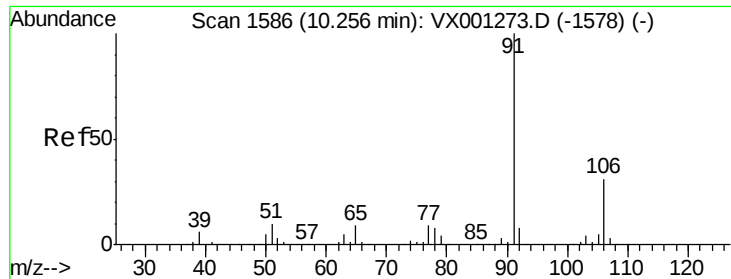
MMDadoda
5/2/2018 4:20:58 PM



#65
Chlorobenzene
Concen: 0.79 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	4261		
114	30.4	24.8	37.2	





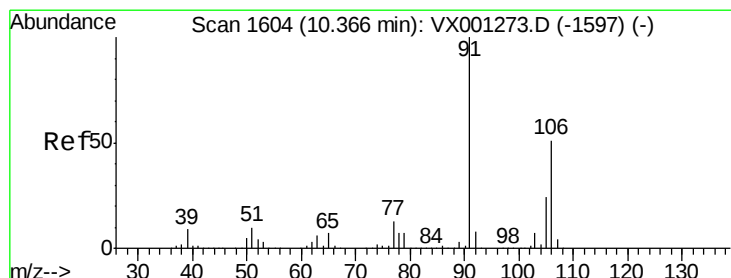
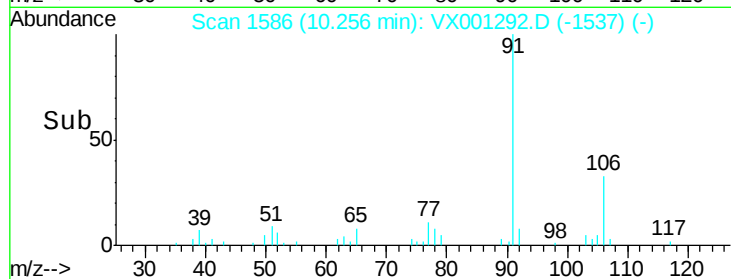
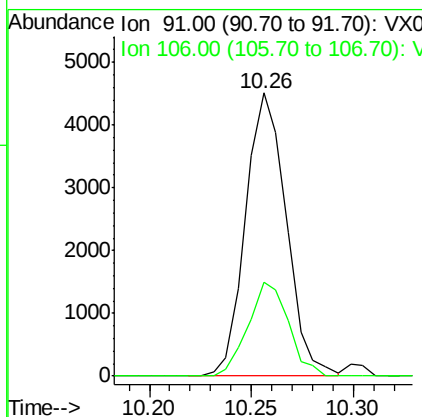
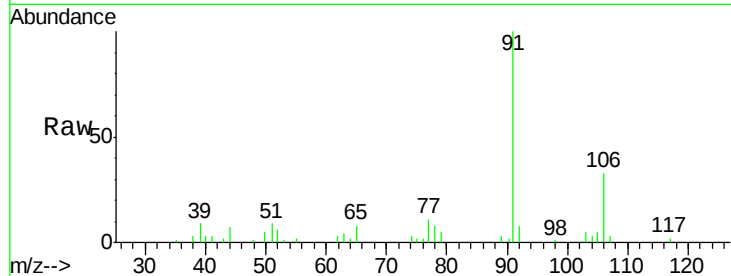
#67
Ethyl Benzene
Concen: 0.70 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion: 91 Resp: 6267
Ion Ratio Lower Upper
91 100
106 33.2 24.9 37.3

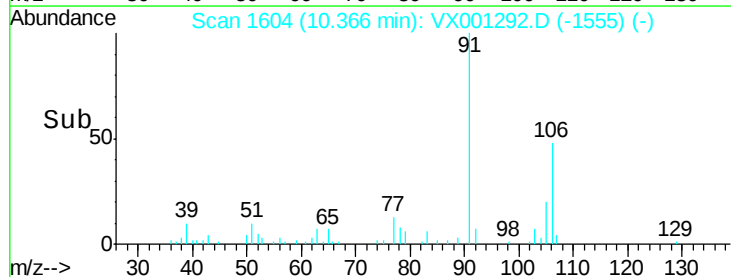
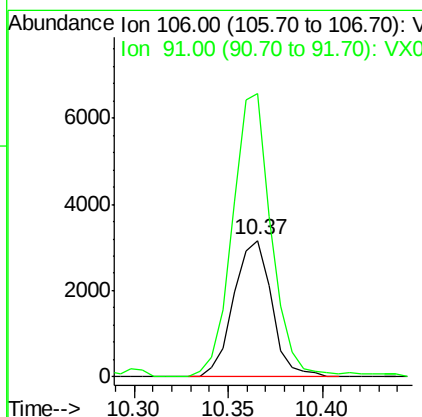
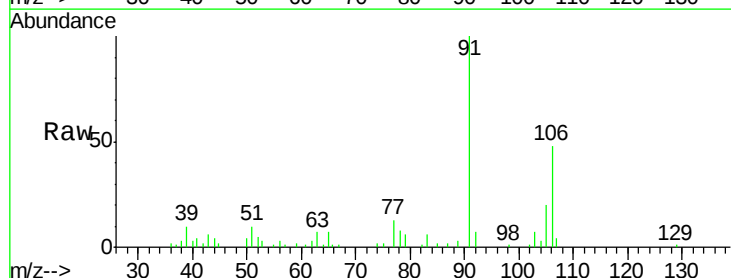
Manual Integrations
APPROVED

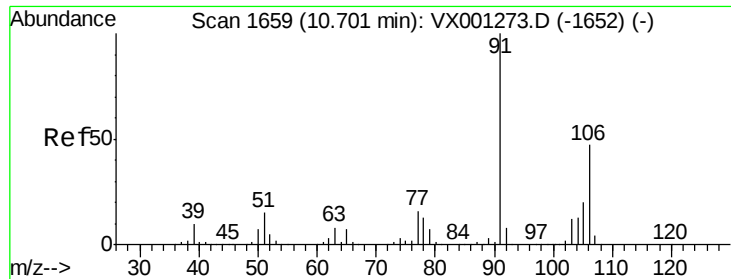
MMDadoda
5/2/2018 4:20:58 PM



#68
m/p-Xylenes
Concen: 1.26 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Tgt Ion: 106 Resp: 4423
Ion Ratio Lower Upper
106 100
91 215.4 159.4 239.2





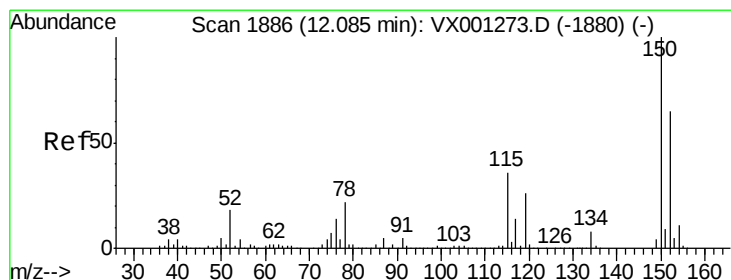
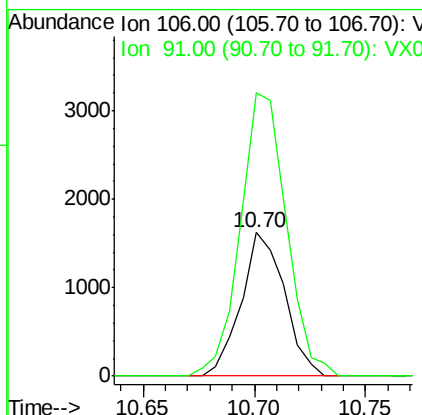
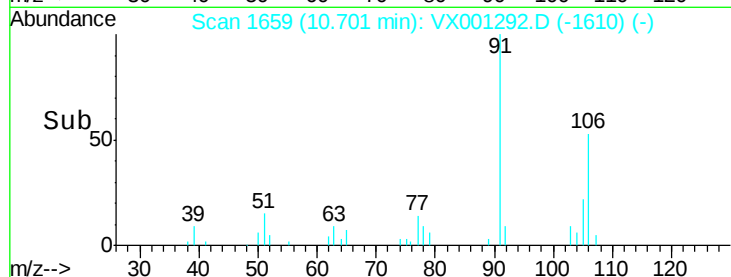
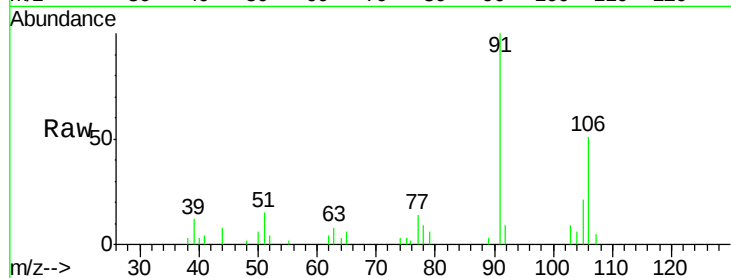
#69
o-Xylene
Concen: 0.65 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :
KY032MW006-180419

Tot Ion:106 Resp: 2205
Ion Ratio Lower Upper
106 100
91 208.4 106.3 319.0

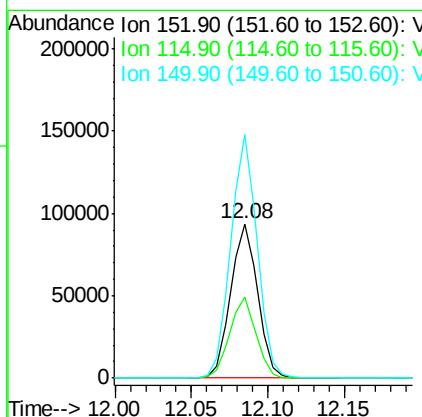
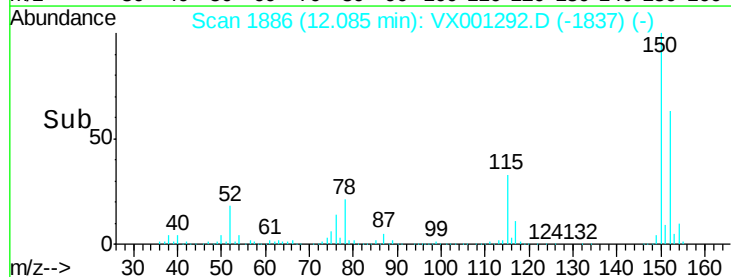
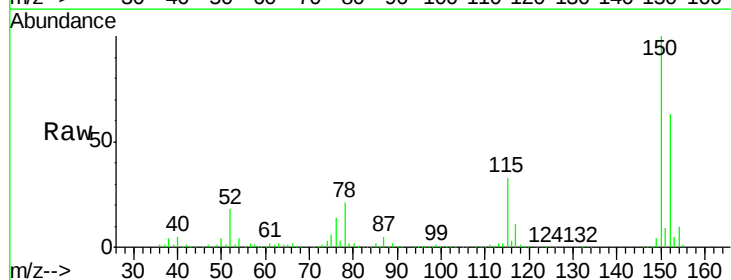
Manual Integrations
APPROVED

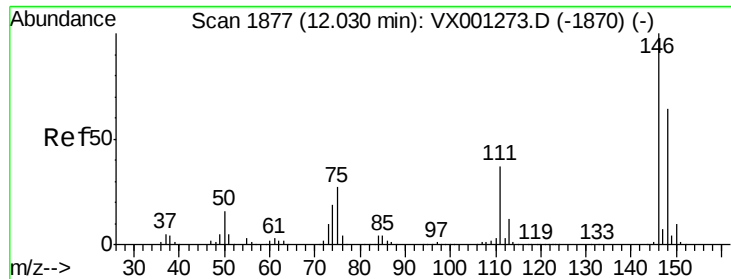
MMDadoda
5/2/2018 4:20:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001292.D
Acq: 01 May 2018 22:33

Tgt Ion:152 Resp: 113718
Ion Ratio Lower Upper
152 100
115 51.2 38.6 115.7
150 155.4 0.0 349.2





#87

1,3-Dichlorobenzene

Concen: 0.29 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Instrument :

MSVOA_X

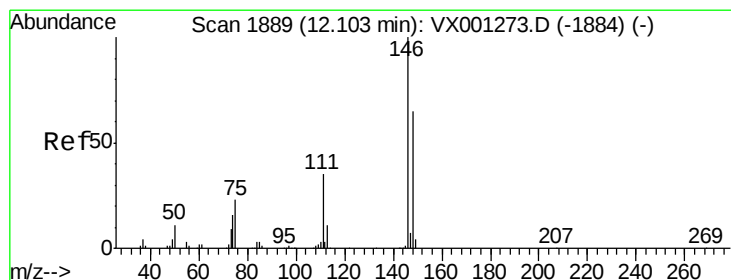
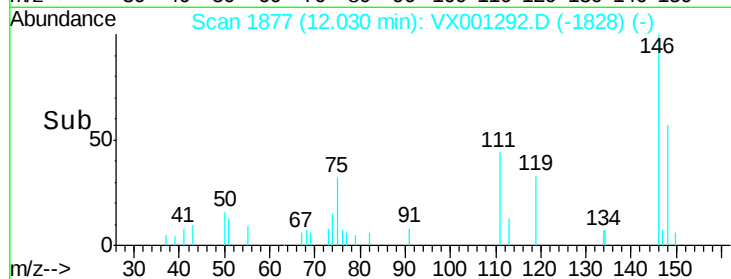
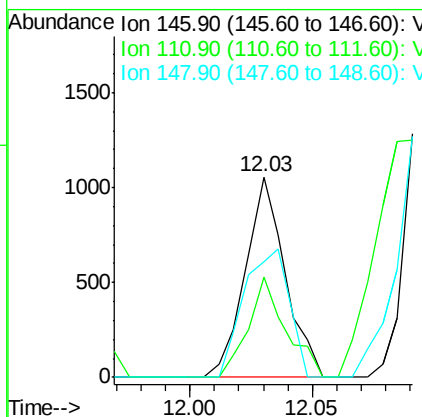
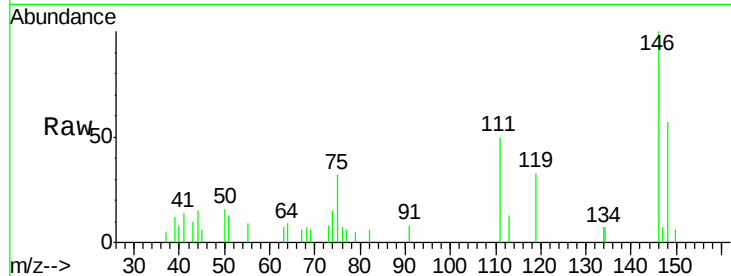
ClientSampleId :

KY032MW006-180419

Tot Ion:	146	Resp:	1206
Ion Ratio	Lower	Upper	
146	100		
111	46.8	18.4	55.2
148	72.3	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:58 PM



#88

1,4-Dichlorobenzene

Concen: 1.26 ug/l m

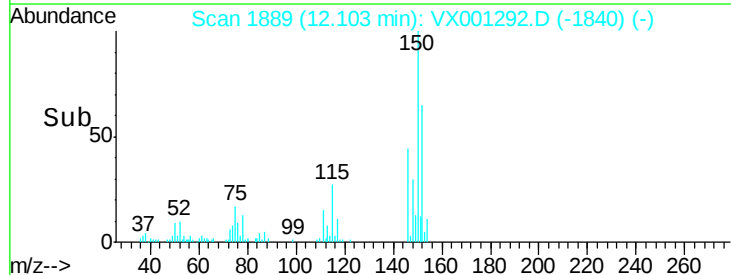
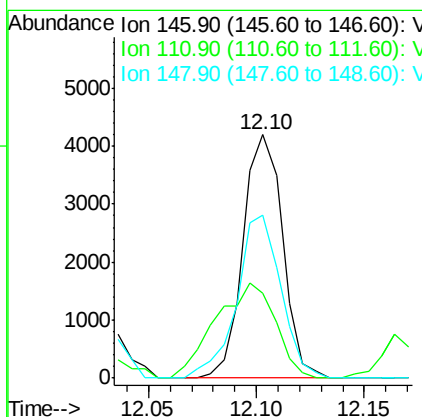
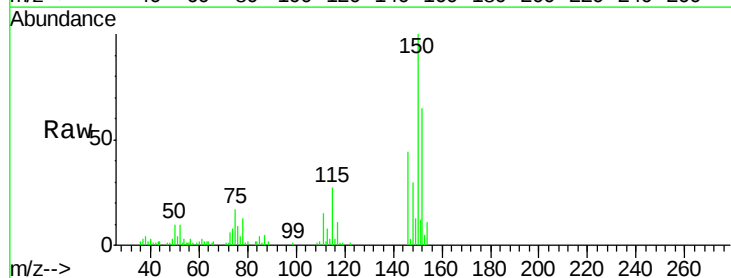
RT: 12.10 min Scan# 1889

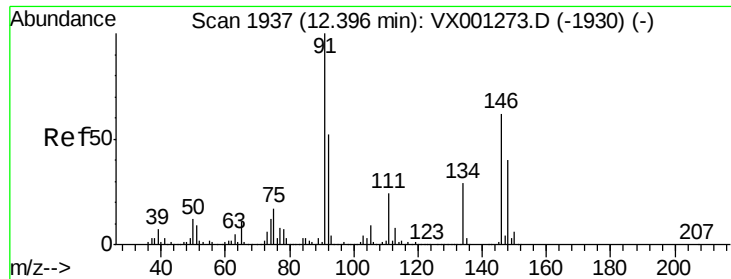
Delta R.T. -0.00 min

Lab File: VX001292.D

Acq: 01 May 2018 22:33

Tgt Ion:	146	Resp:	5338
Ion Ratio	Lower	Upper	
146	100		
111	10.6	17.9	53.7#
148	16.3	32.3	96.8#





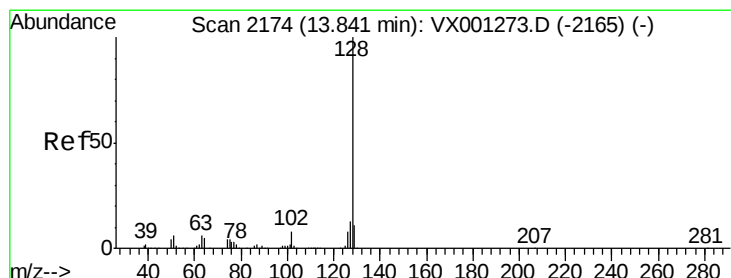
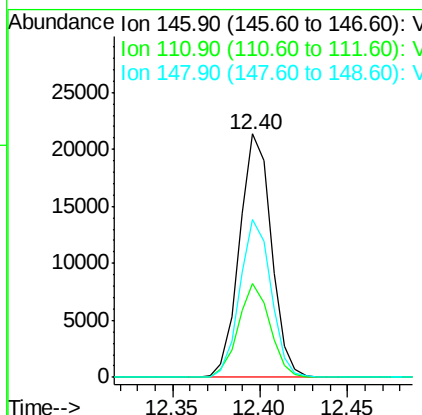
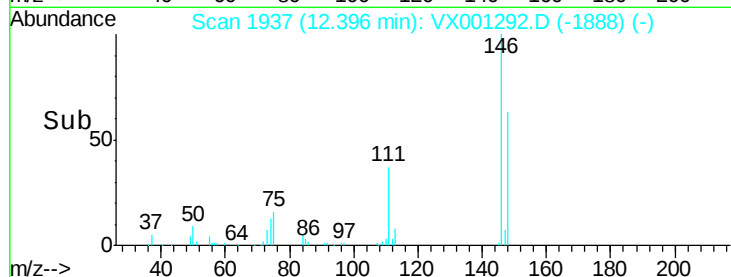
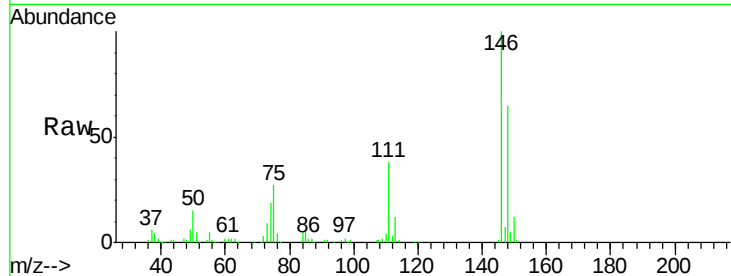
#91
 1,2-Dichlorobenzene
 Concen: 6.67 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001292.D
 Acq: 01 May 2018 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 KY032MW006-180419

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	63.7	32.4	97.0

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:58 PM



#95
 Naphthalene
 Concen: 0.81 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX001292.D
 Acq: 01 May 2018 22:33

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.5	15.7
129	10.4	8.7	13.1

