

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
 Data File : VX001211.D
 Acq On : 28 Apr 2018 14:13
 Operator : JC/MD
 Sample : J2564-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-UB-102

Manual Integrations
 APPROVED

apatel
 5/1/2018 7:44:47 PM

Quant Time: Apr 30 04:54:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	179585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	248258	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	130912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	115513	41.50	ug/l	0.00
Spiked Amount			Recovery	=	83.00%	
35) Dibromofluoromethane	5.51	113	92241	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
50) Toluene-d8	8.72	98	344272	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	11.14	95	120949	39.93	ug/l	0.00
Spiked Amount			Recovery	=	79.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	3251	5.92	ug/l #	76
16) Acetone	2.45	43	82130	71.74	ug/l	98
17) Carbon Disulfide	2.57	76	2656	0.57	ug/l	97
25) 2-Butanone	4.72	43	49293	28.78	ug/l	96
29) Tetrahydrofuran	5.17	42	32356	29.38	ug/l	98
52) Toluene	8.79	92	41816	8.08	ug/l	99
65) Chlorobenzene	10.14	112	2731	0.47	ug/l	99
67) Ethyl Benzene	10.26	91	2243	0.24	ug/l #	83
68) m/p-Xylenes	10.36	106	1180	0.32	ug/l	100
73) Isopropylbenzene	11.02	105	86030	10.08	ug/l	99
78) n-propylbenzene	11.37	91	35143	3.69	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	3479	0.47	ug/l	86
85) sec-Butylbenzene	11.95	105	7045	0.84	ug/l #	71
88) 1,4-Dichlorobenzene	12.10	146	10197	2.15	ug/l #	81
89) n-Butylbenzene	12.39	91	12186m	1.80	ug/l	
95) Naphthalene	13.84	128	24481	2.44	ug/l #	90

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

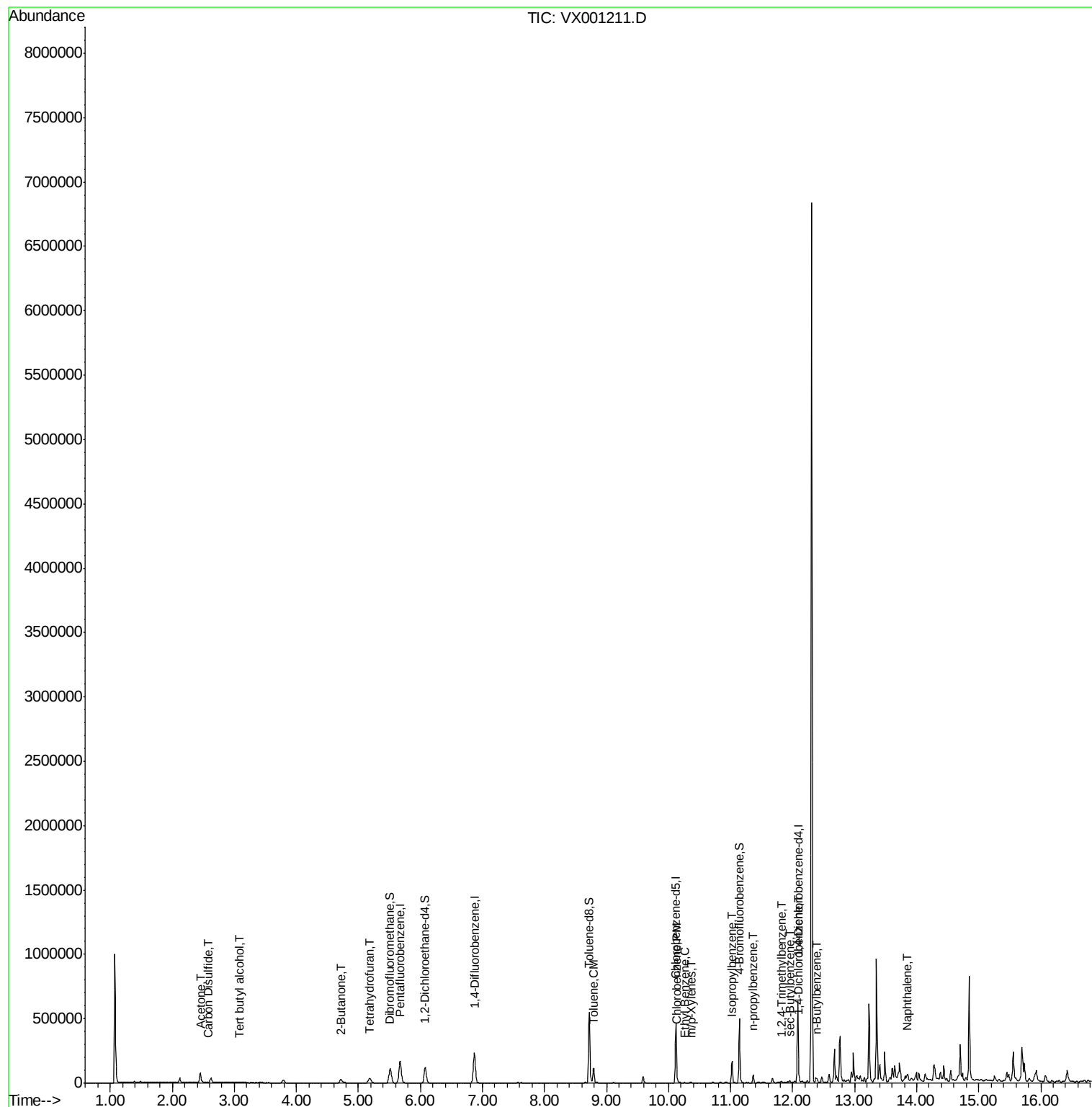
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
Data File : VX001211.D
Acq On : 28 Apr 2018 14:13
Operator : JC/MD
Sample : J2564-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

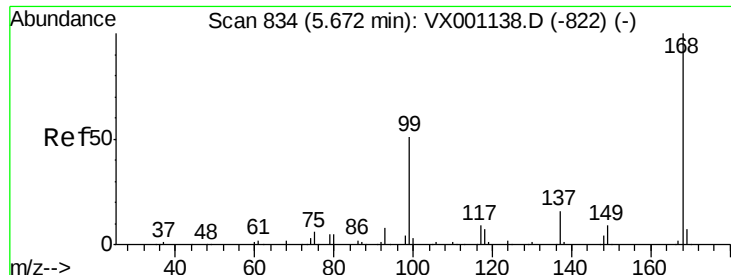
Instrument :
MSVOA_X
ClientSampleId :
LS-UB-102

Manual Integrations
APPROVED

apatel
5/1/2018 7:44:47 PM

Quant Time: Apr 30 04:54:07 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 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: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

ClientSampleId :

LS-UB-102

Tot Ion:168 Resp: 179585

Ion Ratio Lower Upper

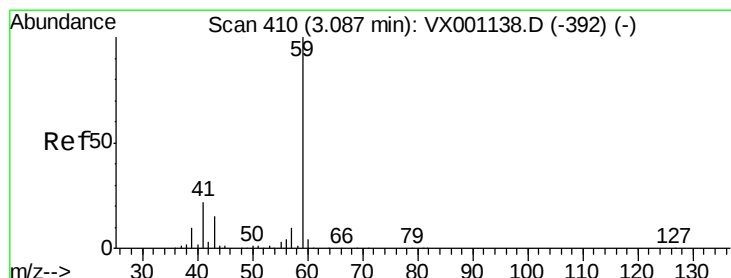
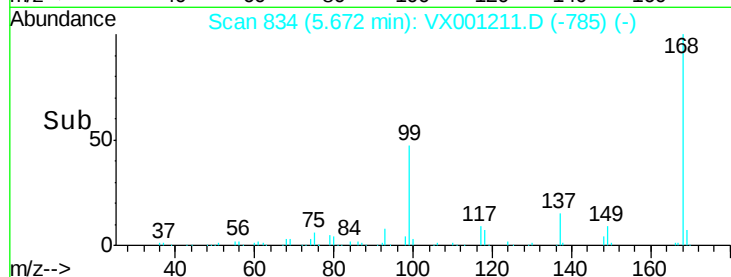
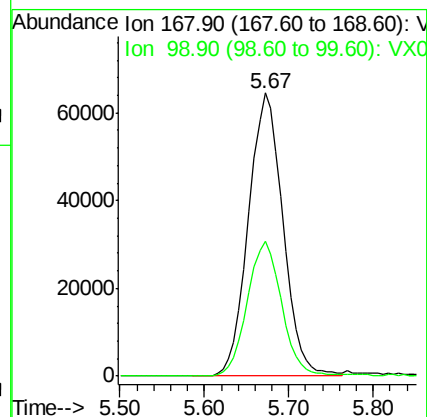
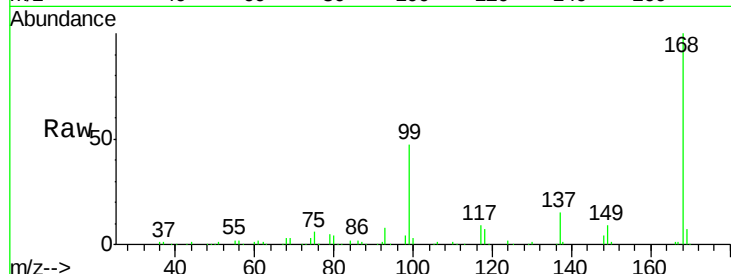
168 100

99 47.5 40.6 60.8

Manual Integrations
APPROVED

apatel

5/1/2018 7:44:47 PM



#11

Tert butyl alcohol

Concen: 5.92 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX001211.D

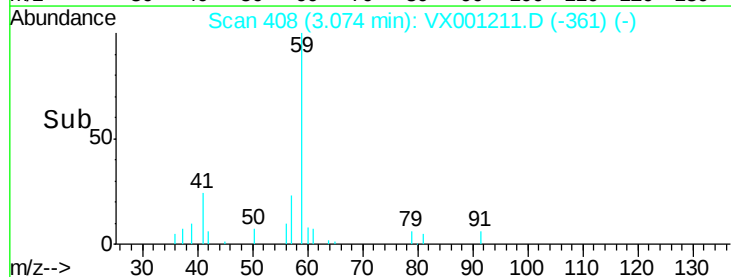
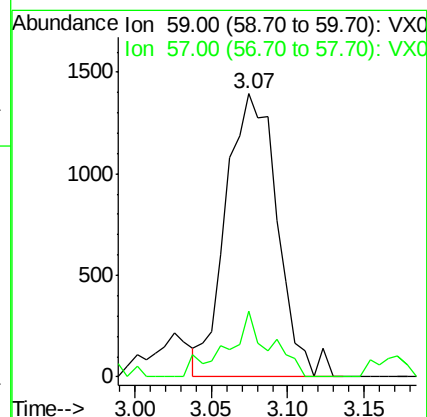
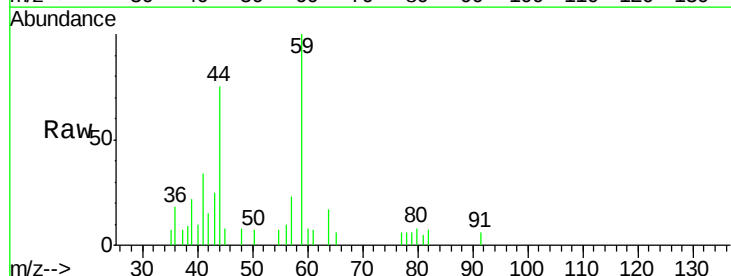
Acq: 28 Apr 2018 14:13

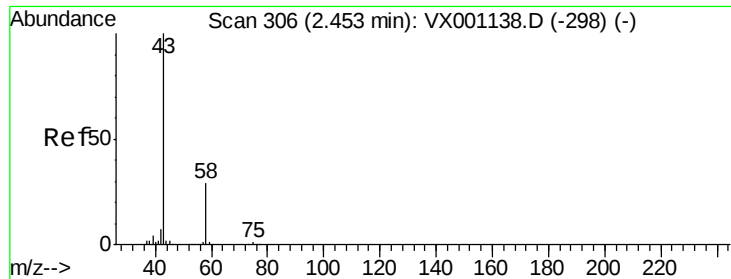
Tgt Ion: 59 Resp: 3251

Ion Ratio Lower Upper

59 100

57 19.1 8.2 12.4#





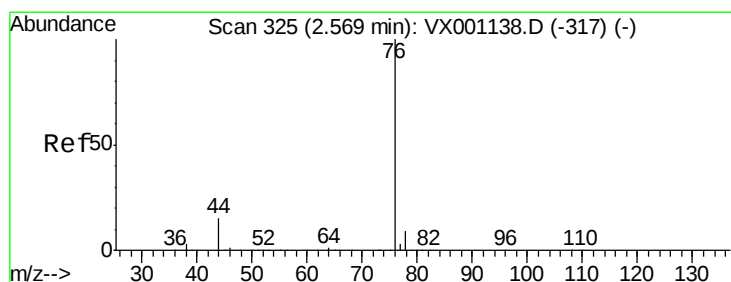
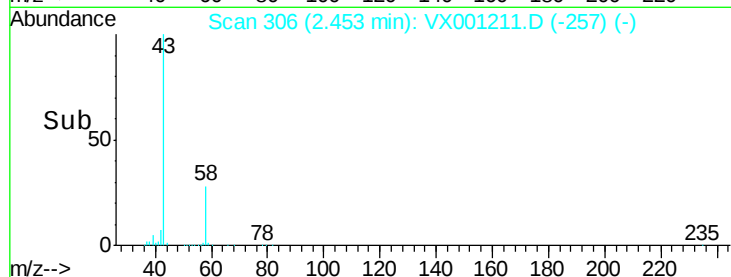
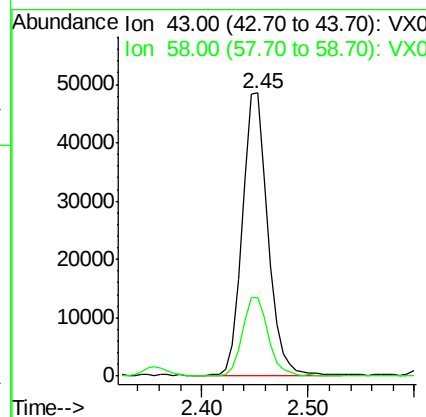
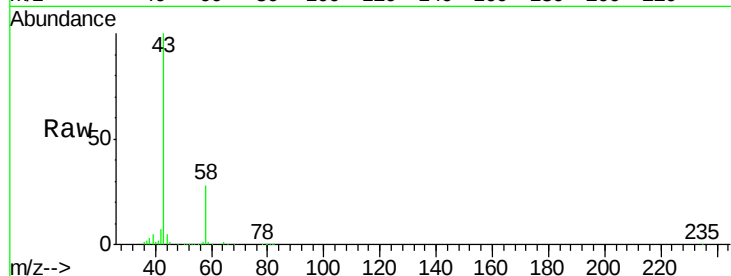
#16
Acetone
Concen: 71.74 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Instrument :
MSVOA_X
ClientSampled :
LS-UB-102

Tot Ion: 43 Resp: 82130
Ion Ratio Lower Upper
43 100
58 27.7 23.0 34.6

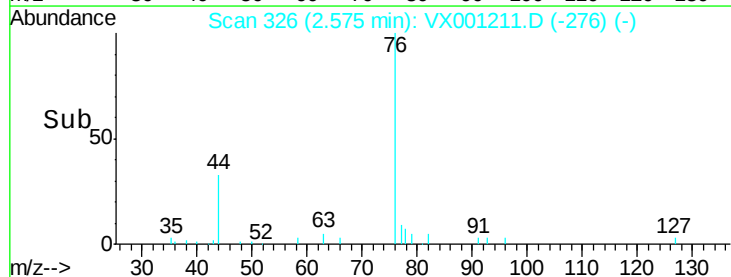
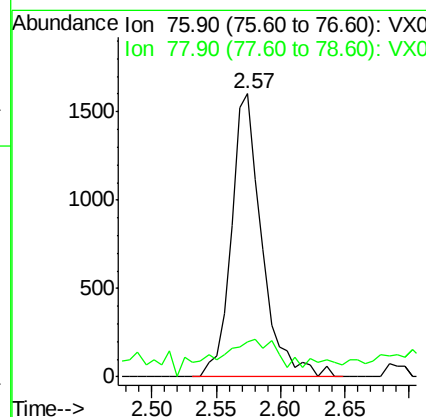
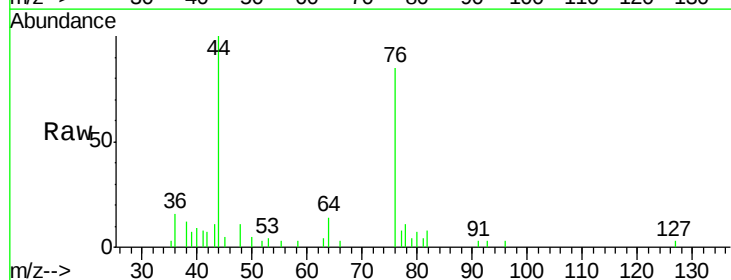
Manual Integrations
APPROVED

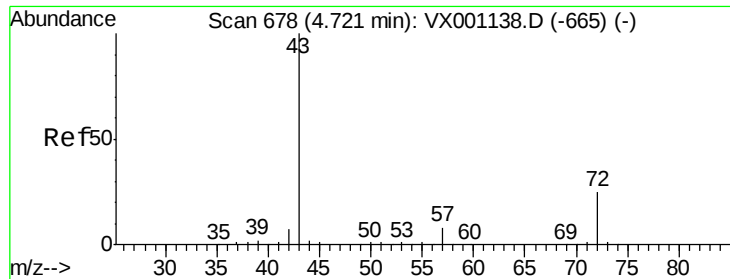
apatel
5/1/2018 7:44:47 PM



#17
Carbon Disulfide
Concen: 0.57 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Tgt Ion: 76 Resp: 2656
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9





#25

2-Butanone

Concen: 28.78 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

ClientSampleId :

LS-UB-102

Tot Ion: 43 Resp: 49293

Ion Ratio Lower Upper

43 100

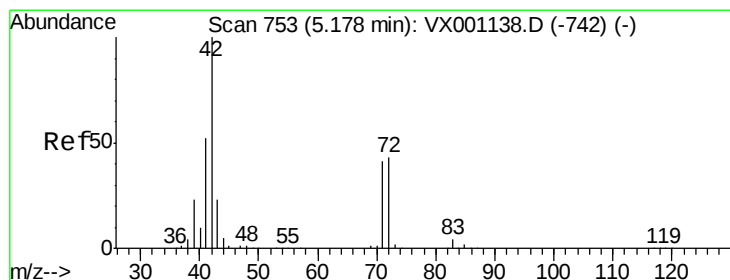
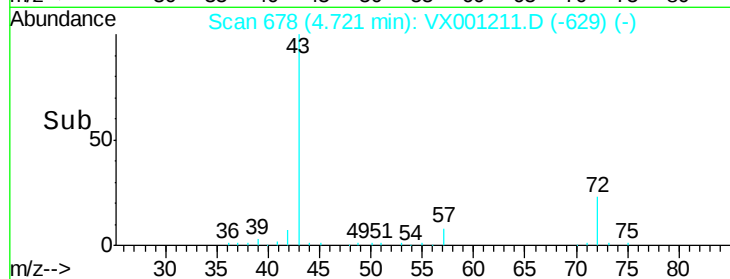
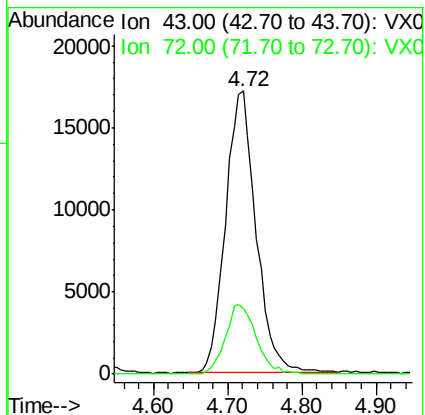
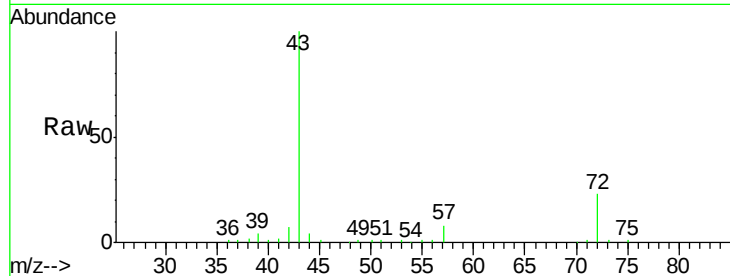
72 23.2 20.0 30.0

Manual Integrations

APPROVED

apatel

5/1/2018 7:44:47 PM



#29

Tetrahydrofuran

Concen: 29.38 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

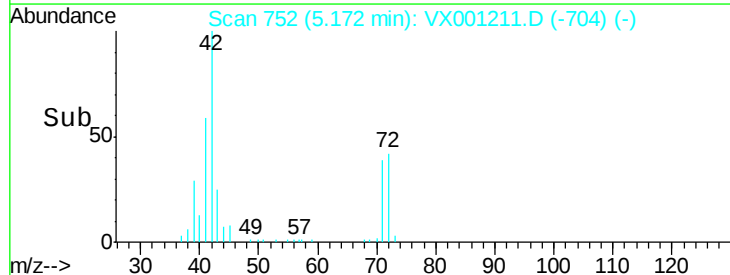
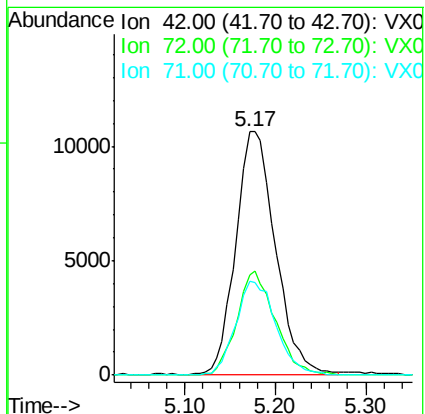
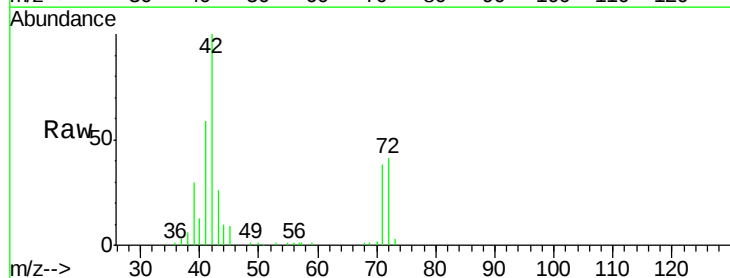
Tgt Ion: 42 Resp: 32356

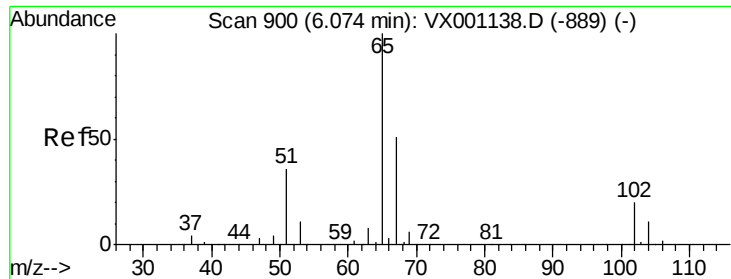
Ion Ratio Lower Upper

42 100

72 41.3 34.4 51.6

71 39.0 32.1 48.1





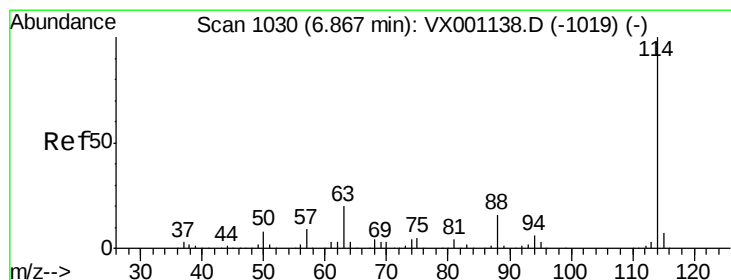
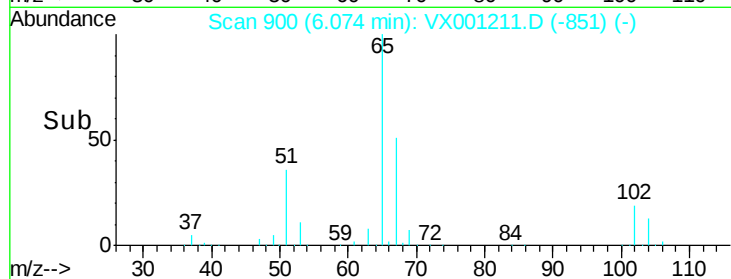
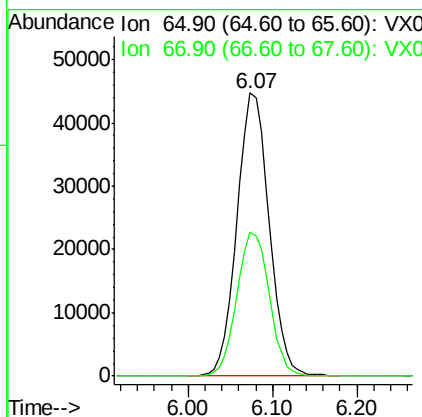
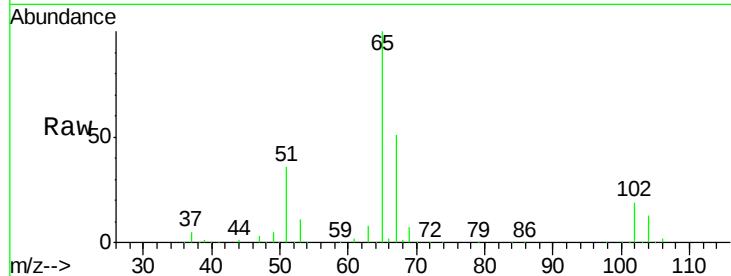
#33
 1,2-Dichloroethane-d4
 Concen: 41.50 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001211.D
 Acq: 28 Apr 2018 14:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-UB-102

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115513		
67	51.2	0.0	102.2	

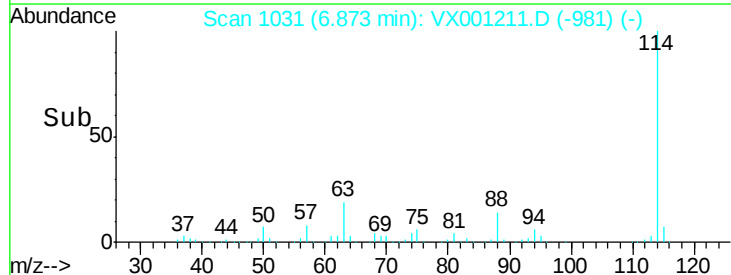
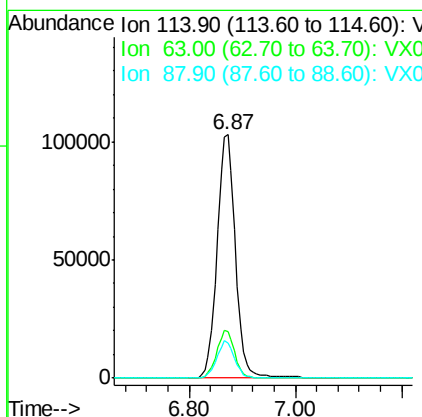
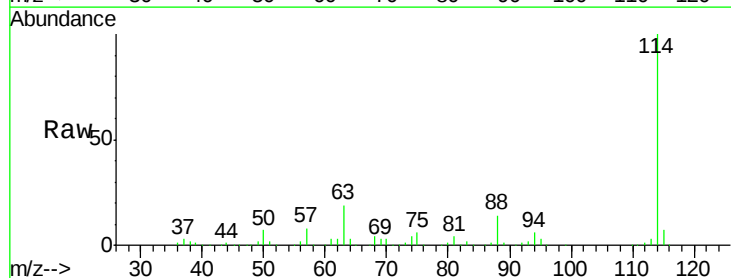
Manual Integrations
 APPROVED

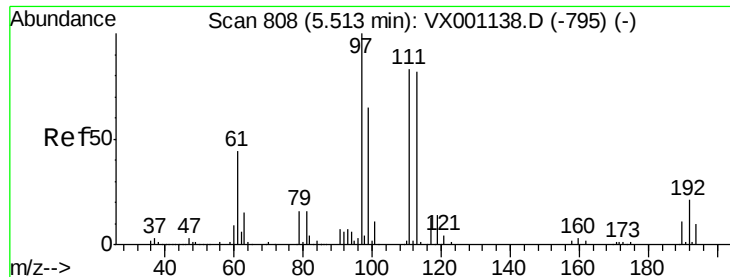
apatel
 5/1/2018 7:44:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001211.D
 Acq: 28 Apr 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	248258		
63	19.2	0.0	40.4	
88	14.3	0.0	31.8	





#35

Dibromofluoromethane

Concen: 44.89 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

ClientSampleId :

LS-UB-102

Tot Ion:113 Resp: 92241

Ion Ratio Lower Upper

113 100

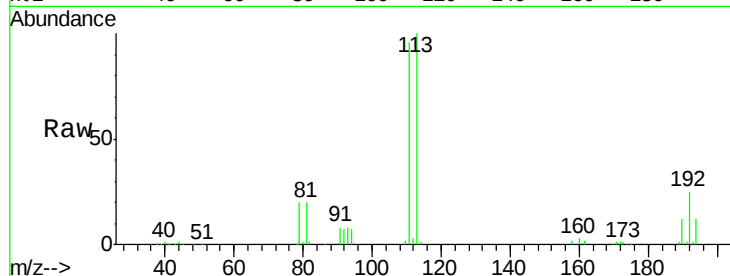
111 101.5 82.2 123.4

192 25.5 20.6 30.8

Manual Integrations
APPROVED

apatel

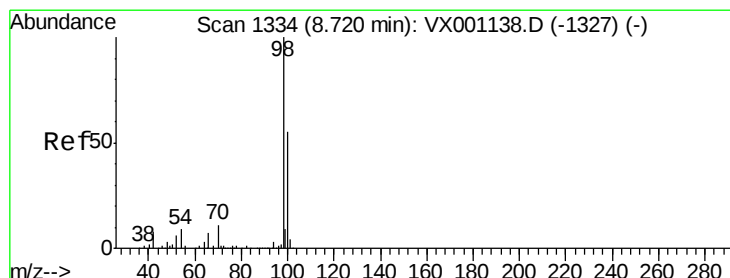
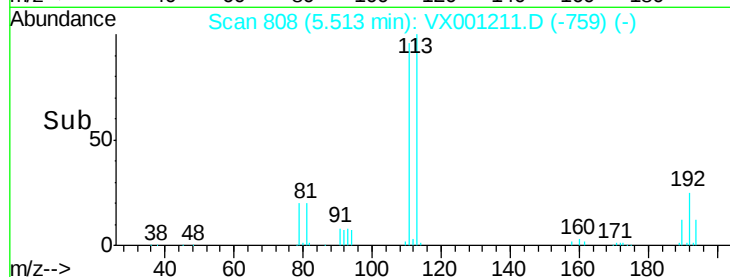
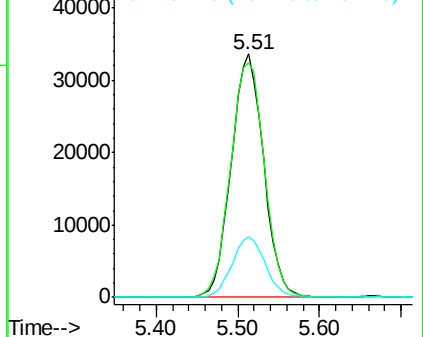
5/1/2018 7:44:47 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 44.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001211.D

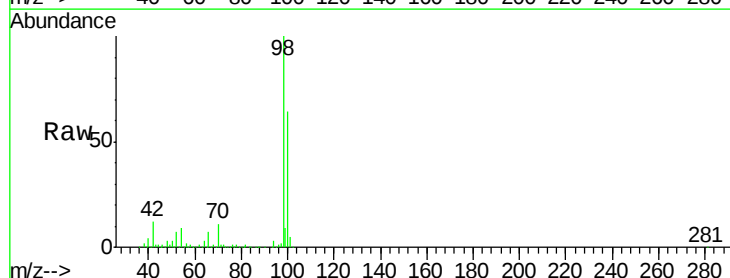
Acq: 28 Apr 2018 14:13

Tgt Ion: 98 Resp: 344272

Ion Ratio Lower Upper

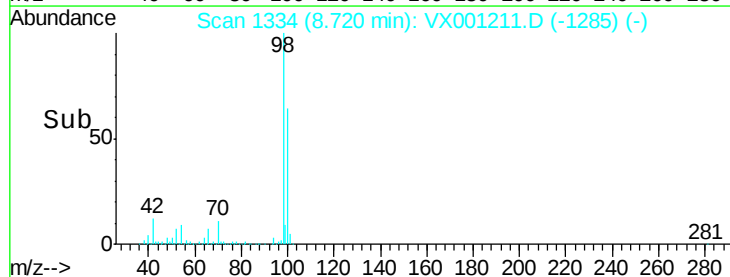
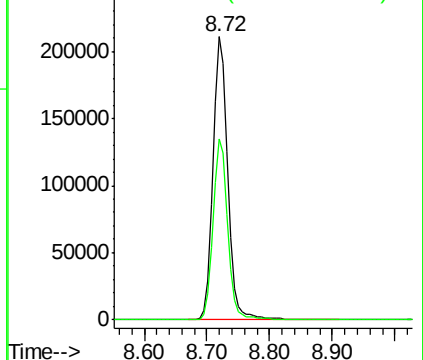
98 100

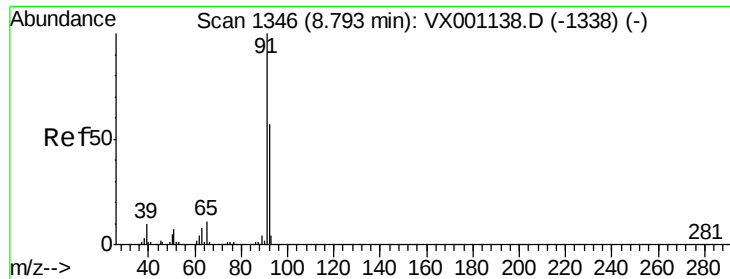
100 63.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 8.08 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

ClientSampleId :

LS-UB-102

Tot Ion: 92 Resp: 41816

Ion Ratio Lower Upper

92 100

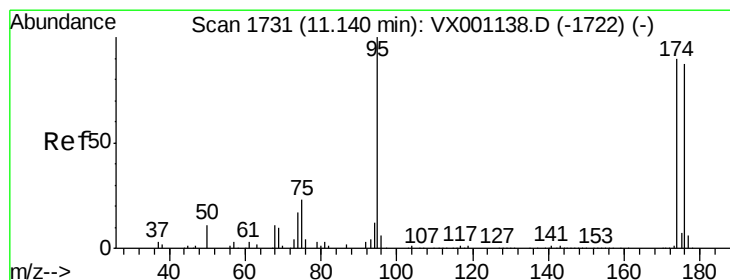
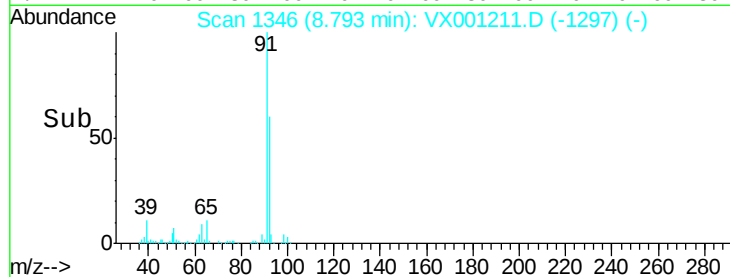
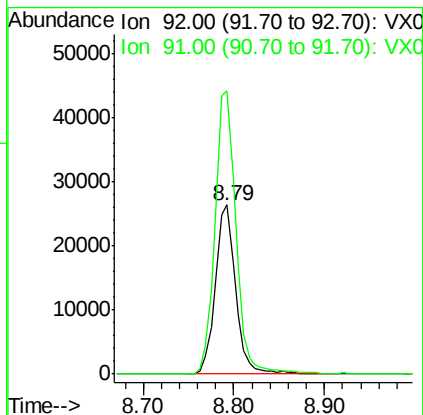
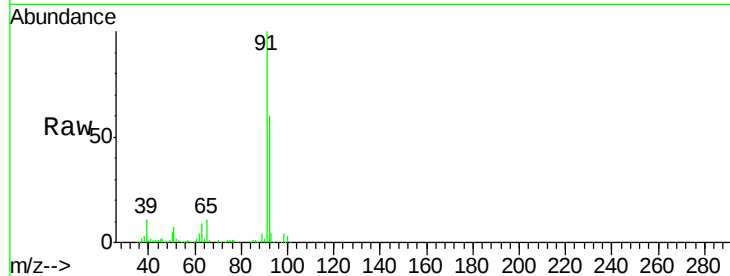
91 172.7 139.8 209.6

Manual Integrations

APPROVED

apatel

5/1/2018 7:44:47 PM



#62

4-Bromofluorobenzene

Concen: 39.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

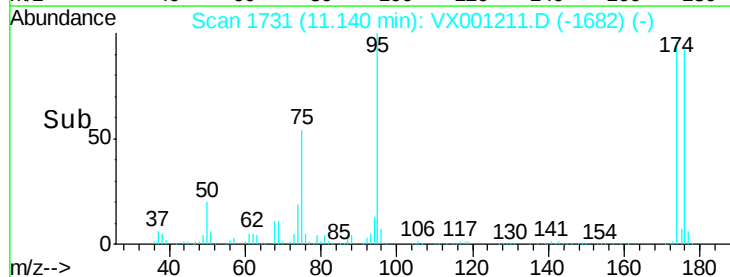
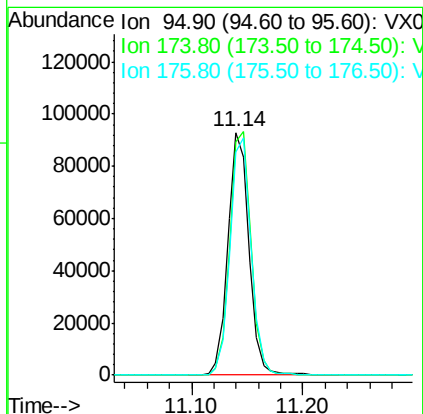
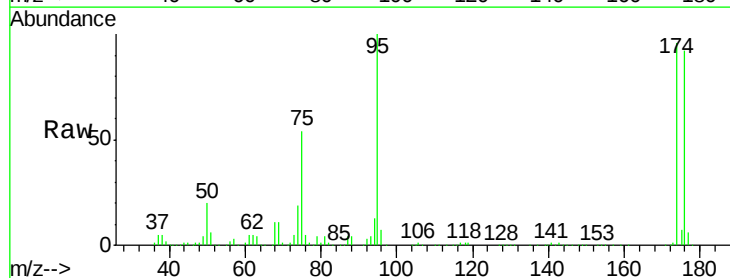
Tgt Ion: 95 Resp: 120949

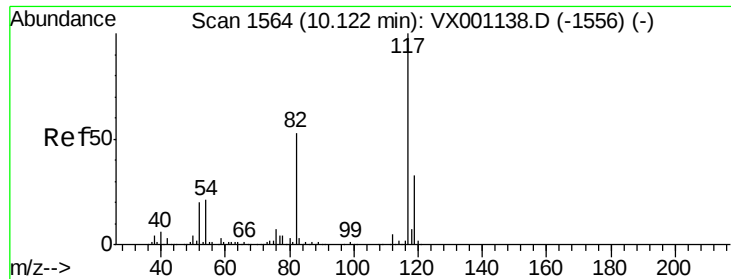
Ion Ratio Lower Upper

95 100

174 101.4 0.0 194.4

176 98.2 0.0 190.2





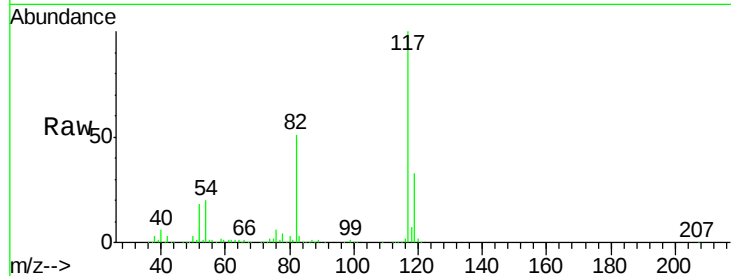
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Instrument :
MSVOA_X
ClientSampleId :
LS-UB-102

Tot Ion	Ratio	Resp	Lower	Upper
117	100	222466		
82	50.8		42.1	63.1
119	33.1		26.1	39.1

Manual Integrations
APPROVED

apatel
5/1/2018 7:44:47 PM

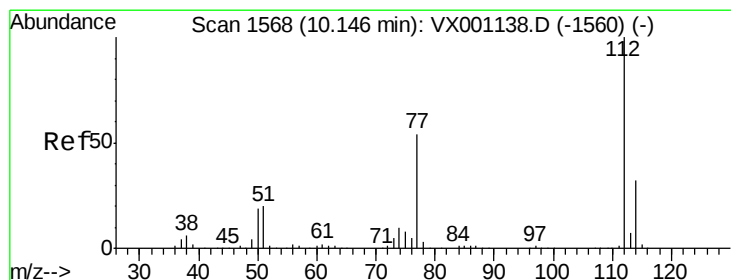
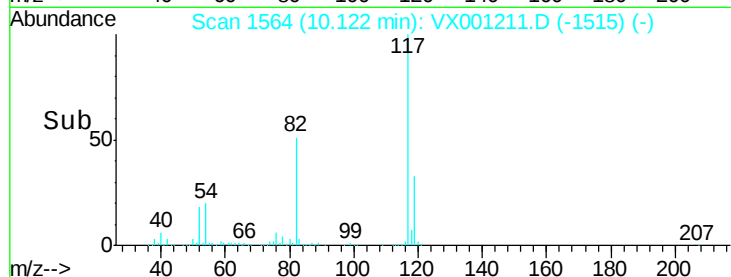
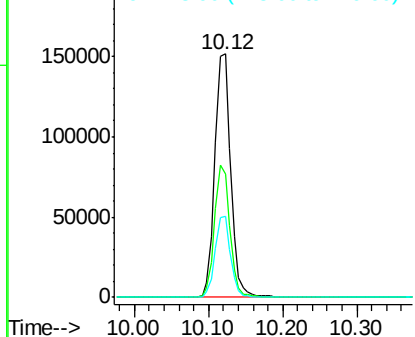


Abundance

Ion 116.90 (116.60 to 117.60): V

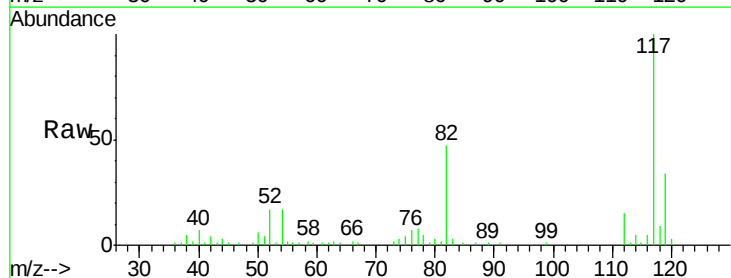
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#65
Chlorobenzene
Concen: 0.47 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

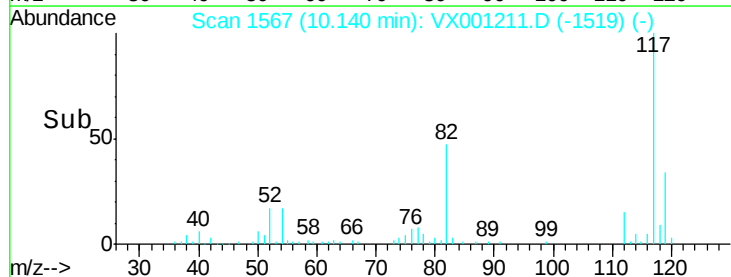
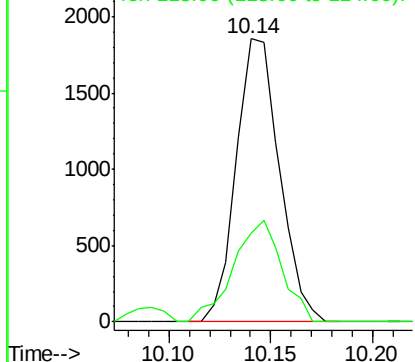
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	2731		
114	31.5		25.7	38.5

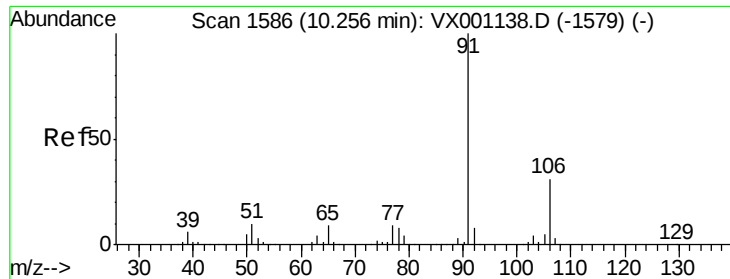


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





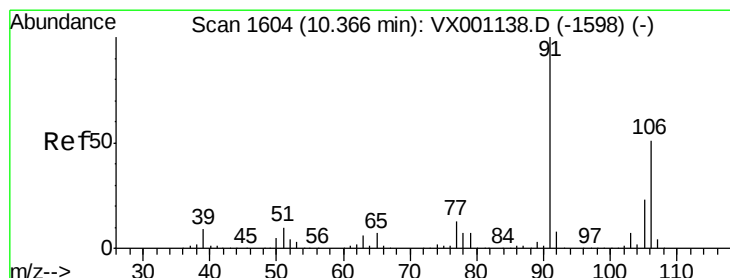
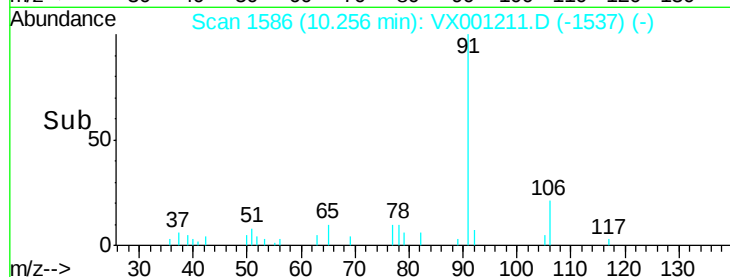
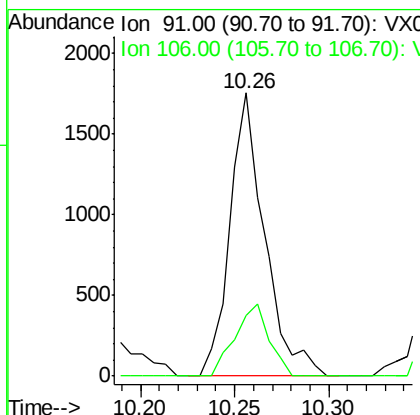
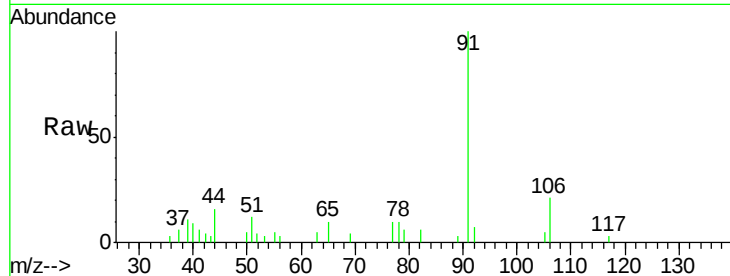
#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Instrument :
MSVOA_X
ClientSampleId :
LS-UB-102

Tot Ion: 91 Resp: 2243
Ion Ratio Lower Upper
91 100
106 21.4 24.8 37.2#

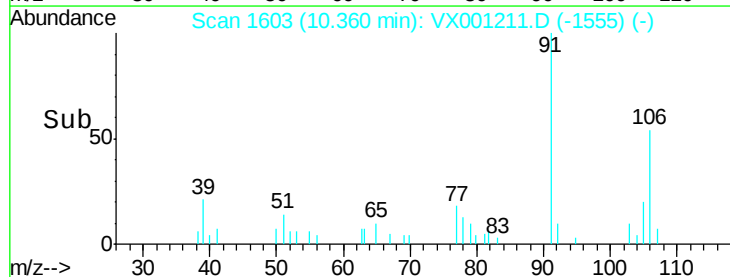
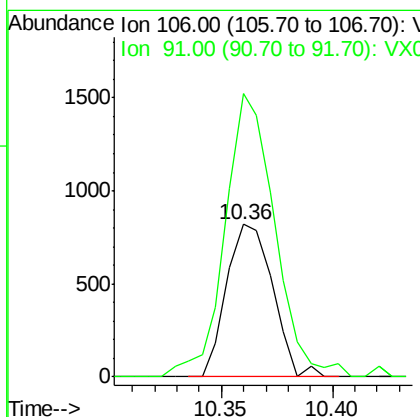
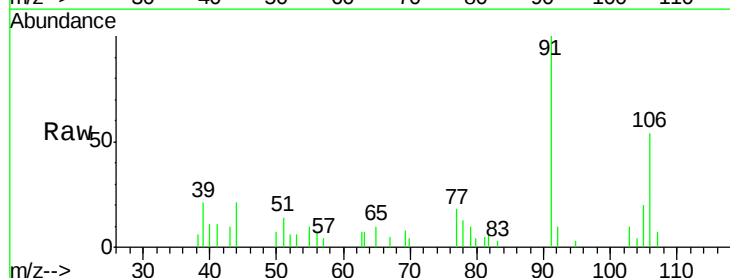
Manual Integrations
APPROVED

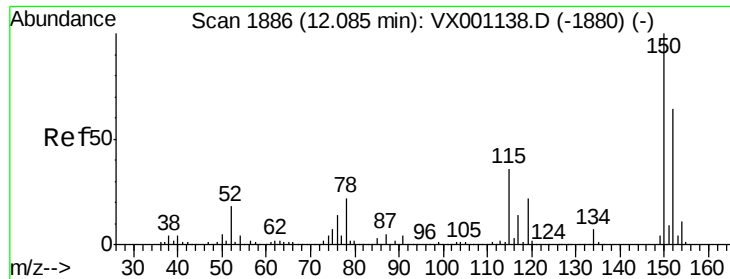
apatel
5/1/2018 7:44:47 PM



#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Tgt Ion: 106 Resp: 1180
Ion Ratio Lower Upper
106 100
91 200.7 160.9 241.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

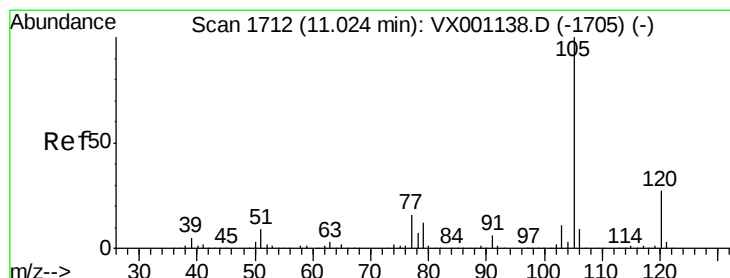
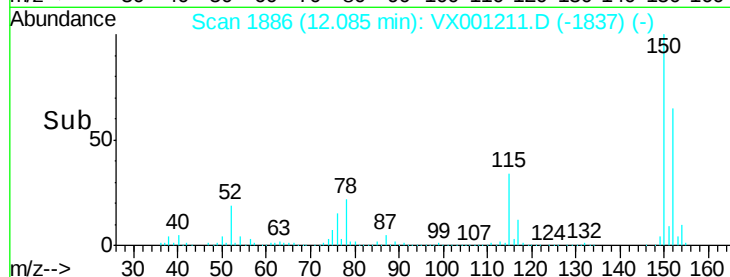
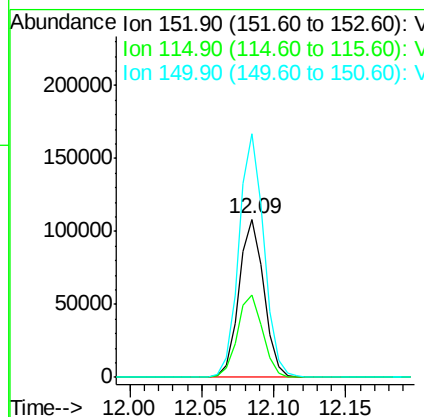
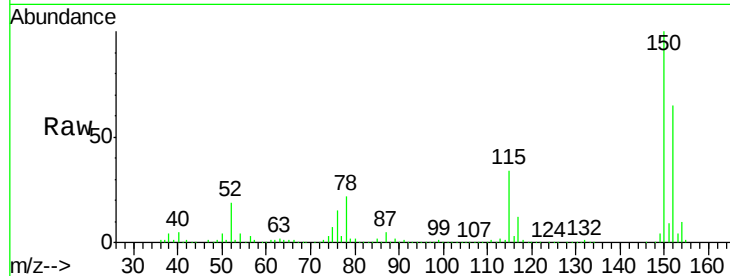
ClientSampled :

LS-UB-102

Tot Ion	Ratio	Resp	Lower	Upper
152	100	130912		
115	53.2	38.0	114.0	
150	154.5	0.0	349.6	

Manual Integrations
APPROVED

apatel
5/1/2018 7:44:47 PM



#73

Isopropylbenzene

Concen: 10.08 ug/l

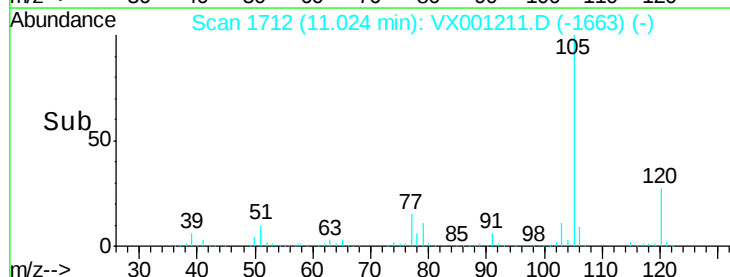
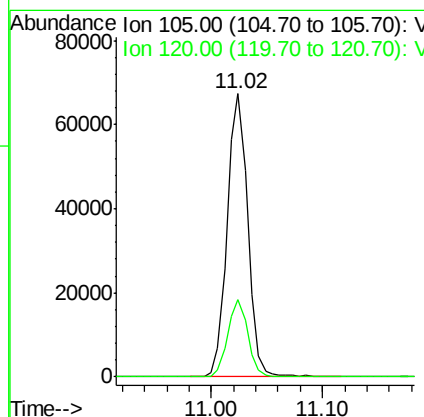
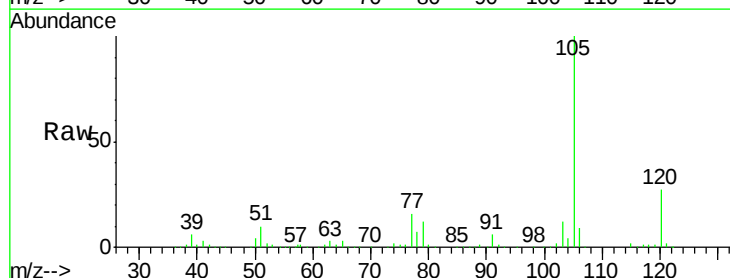
RT: 11.02 min Scan# 1712

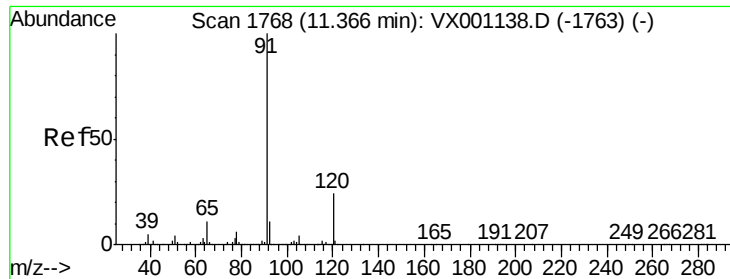
Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	86030		
120	26.9	13.6	40.8	





#78

n-propylbenzene

Concen: 3.69 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

ClientSampleId :

LS-UB-102

Tot Ion: 91 Resp: 35143

Ion Ratio Lower Upper

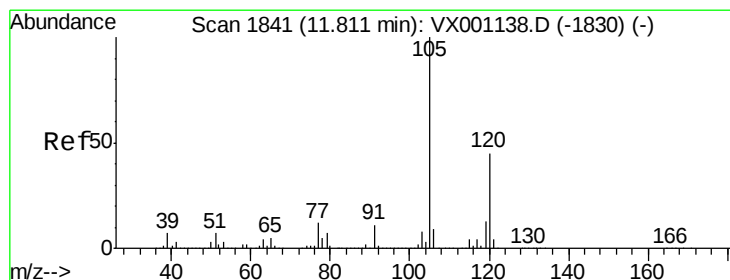
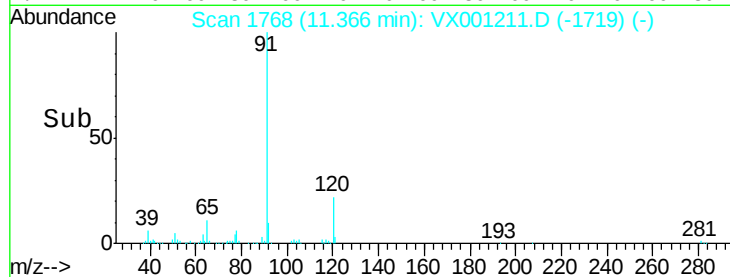
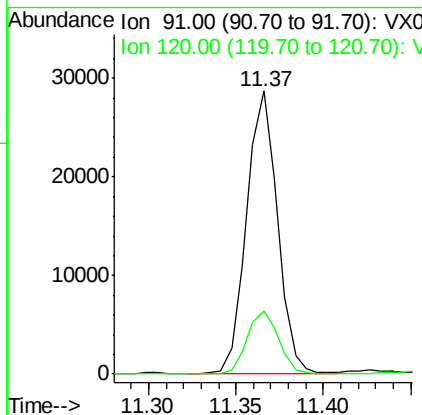
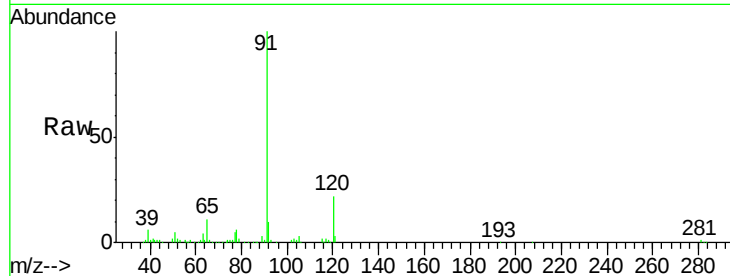
91 100

120 22.9 12.2 36.6

Manual Integrations
APPROVED

apatel

5/1/2018 7:44:47 PM



#84

1,2,4-Trimethylbenzene

Concen: 0.47 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001211.D

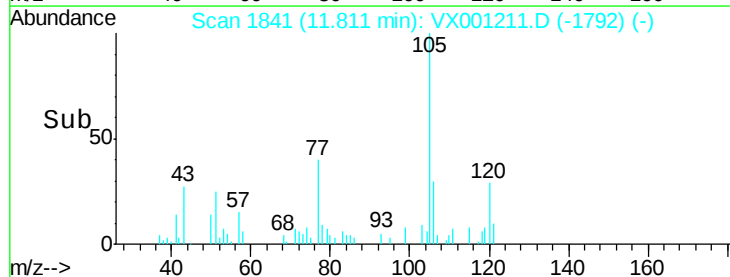
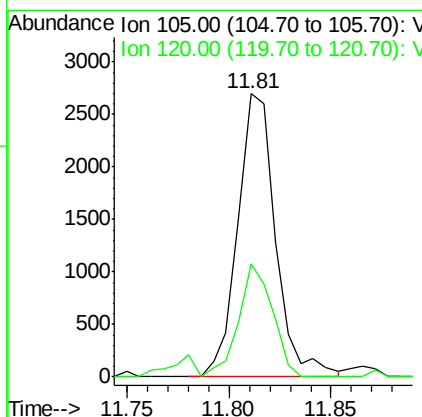
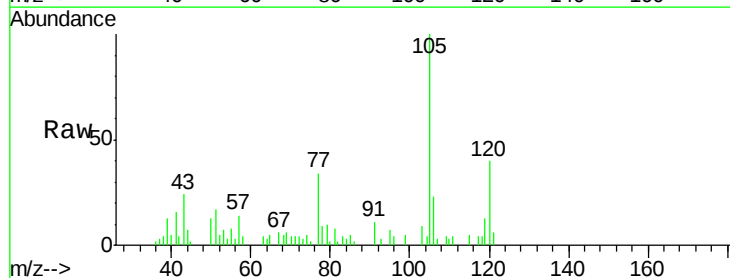
Acq: 28 Apr 2018 14:13

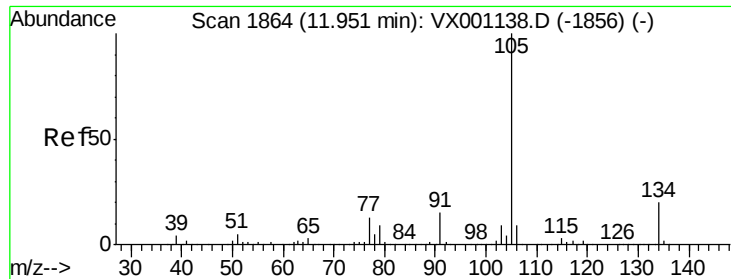
Tgt Ion: 105 Resp: 3479

Ion Ratio Lower Upper

105 100

120 35.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 0.84 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA_X

ClientSampled :

LS-UB-102

Tot Ion:105 Resp: 7045

Ion Ratio Lower Upper

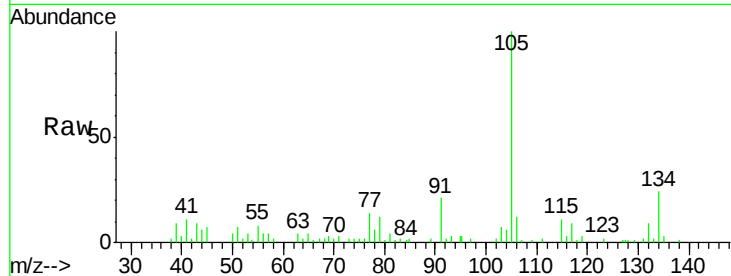
105 100

134 34.5 10.5 31.5#

Manual Integrations
APPROVED

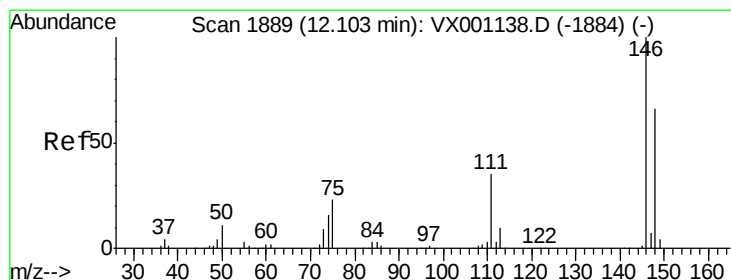
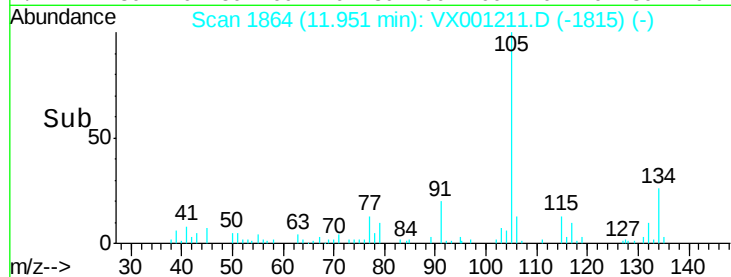
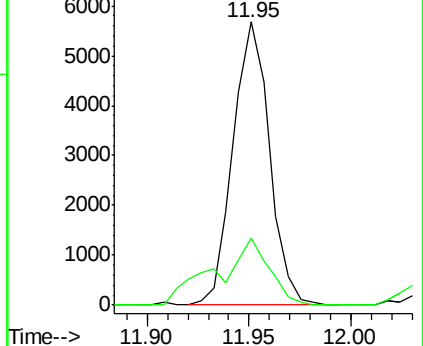
apatel

5/1/2018 7:44:47 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#88

1,4-Dichlorobenzene

Concen: 2.15 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

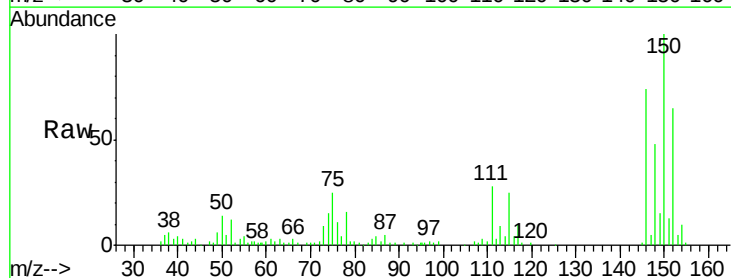
Tgt Ion:146 Resp: 10197

Ion Ratio Lower Upper

146 100

111 56.5 18.0 54.0#

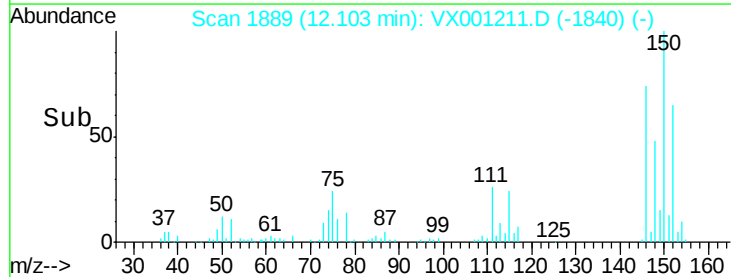
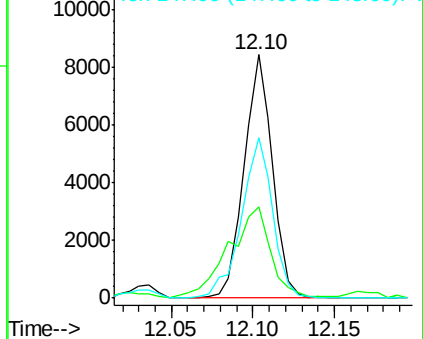
148 72.9 32.5 97.5

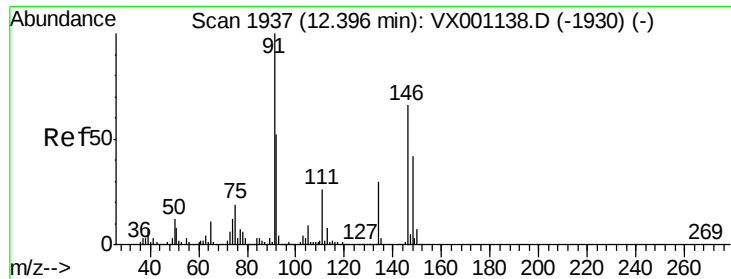


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





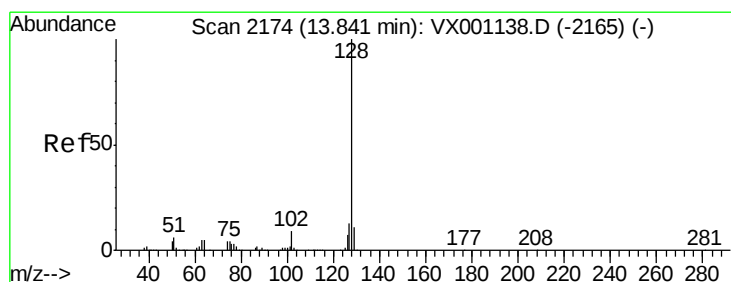
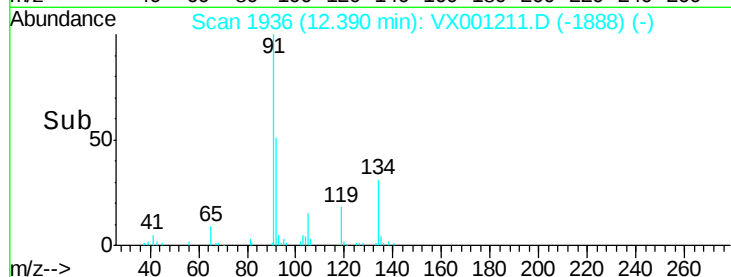
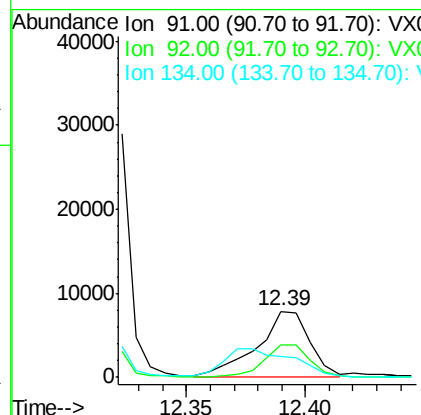
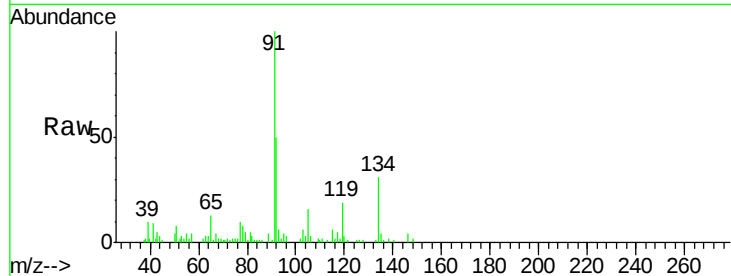
#89
n-Butylbenzene
Concen: 1.80 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Instrument :
MSVOA_X
ClientSampleId :
LS-UB-102

Tot Ion	Ratio	Lower	Upper
91	100		
92	345.3	26.2	78.6#
134	204.3	14.1	42.3#

Manual Integrations
APPROVED

apatel
5/1/2018 7:44:47 PM



#95
Naphthalene
Concen: 2.44 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001211.D
Acq: 28 Apr 2018 14:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.6	15.8#
129	13.4	8.8	13.2#

