

Data Path : W:\HPCHEM1\MSVOA_X\Data\VX042818\
 Data File : VX001219.D
 Acq On : 28 Apr 2018 17:39
 Operator : JC/MD
 Sample : J2547-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW102-180423

Manual Integrations
 APPROVED

apatel
 5/1/2018 7:44:54 PM

Quant Time: May 05 04:53:24 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	177510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	243194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	213485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112162	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	133839	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
35) Dibromofluoromethane	5.51	113	106349	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
50) Toluene-d8	8.72	98	401897	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.14	95	131618	44.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.70%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	8883	4.294	ug/l	97
11) Tert butyl alcohol	3.08	59	19377	35.710	ug/l	99
16) Acetone	2.45	43	52979	46.820	ug/l	99
17) Carbon Disulfide	2.57	76	3578	0.781	ug/l #	83
24) 1,1-Dichloroethane	3.70	63	4868	1.414	ug/l	94
25) 2-Butanone	4.72	43	12328	7.281	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	7962	3.665	ug/l	90
40) Benzene	6.15	78	9663	1.246	ug/l	97
65) Chlorobenzene	10.15	112	243770	43.583	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	1828	0.470	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	4194m	1.034	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	5263	1.338	ug/l	95

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

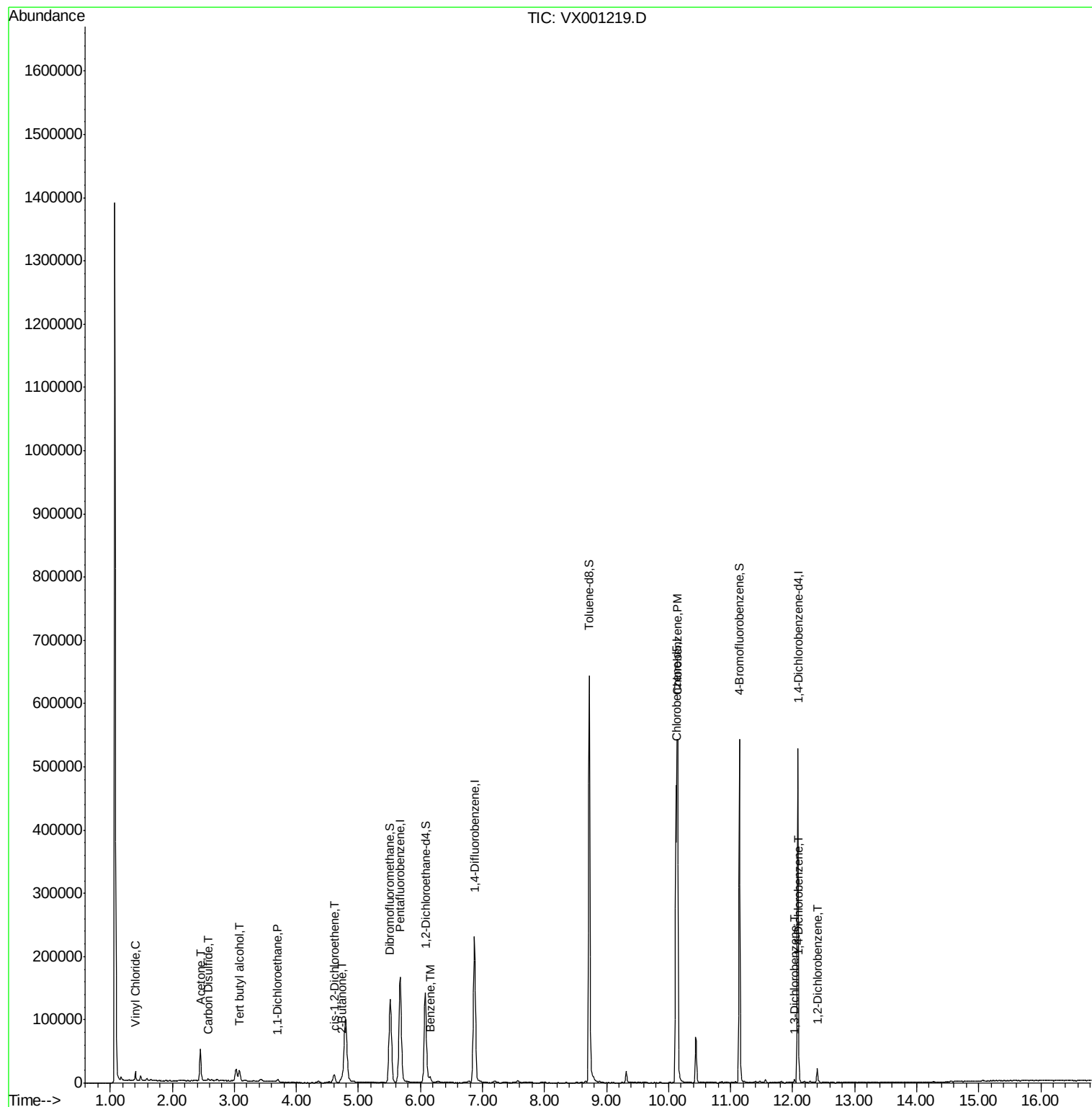
Data Path : W:\HPCHEM1\MSVOA_X\Data\VX042818\
Data File : VX001219.D
Acq On : 28 Apr 2018 17:39
Operator : JC/MD
Sample : J2547-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

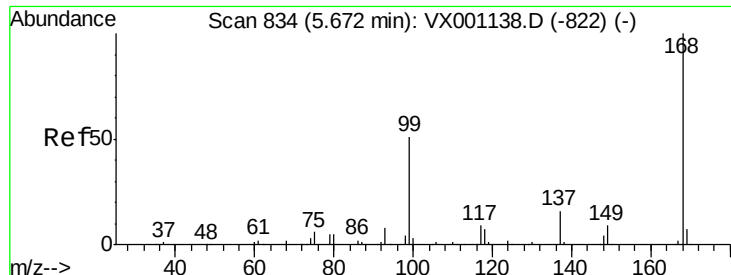
Instrument :
MSVOA_X
ClientSampleId :
WP022MW102-180423

Manual Integrations
APPROVED

apatel
5/1/2018 7:44:54 PM

Quant Time: May 05 04:53:24 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





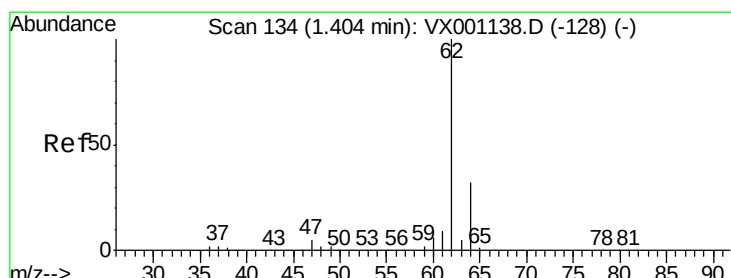
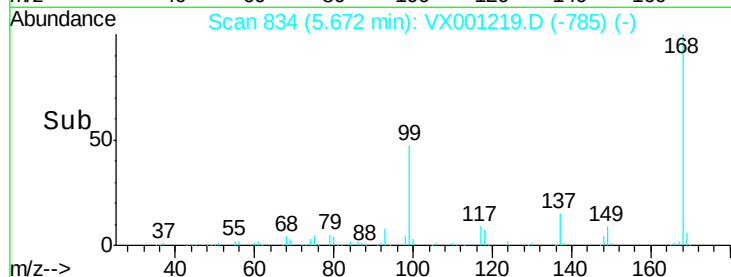
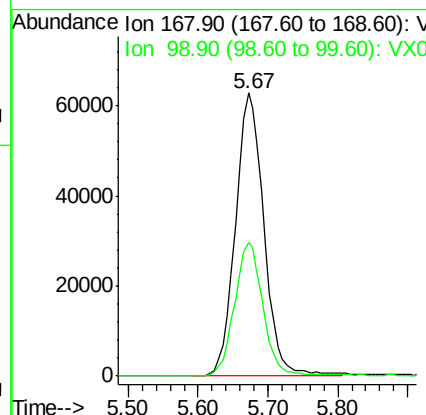
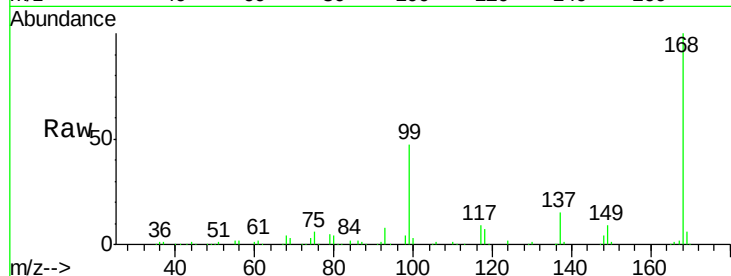
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
WP022MW102-180423

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	177510		
99	47.2	40.6	60.8	

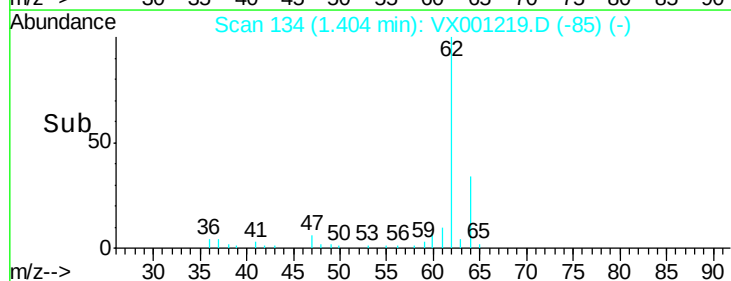
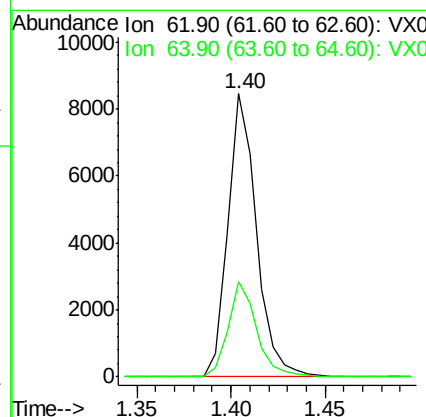
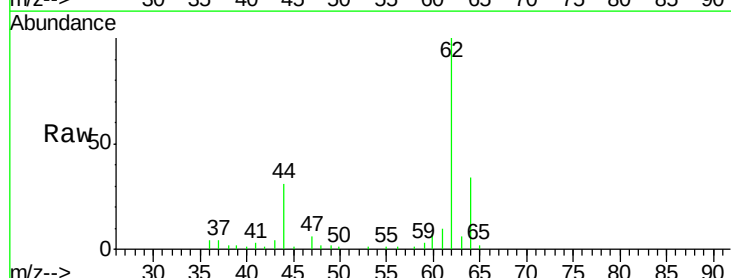
Manual Integrations
APPROVED

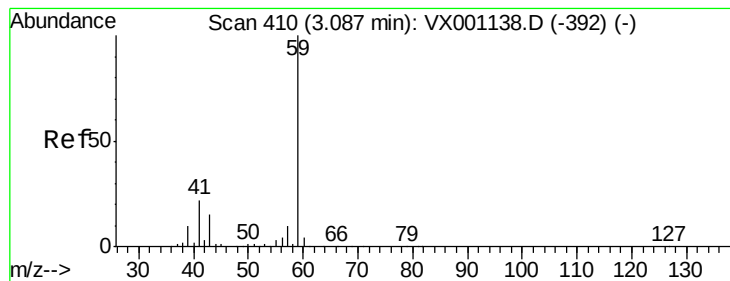
apatel
5/1/2018 7:44:54 PM



#4
Vinyl Chloride
Concen: 4.294 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	8883		
64	33.8	25.6	38.4	





#11

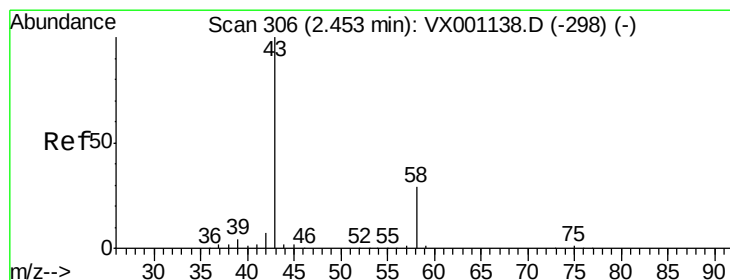
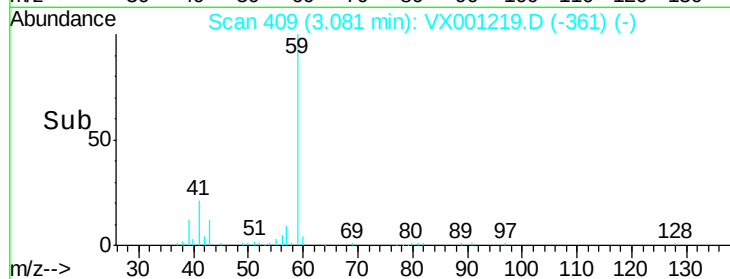
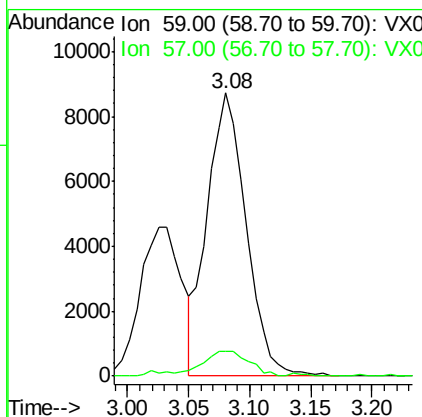
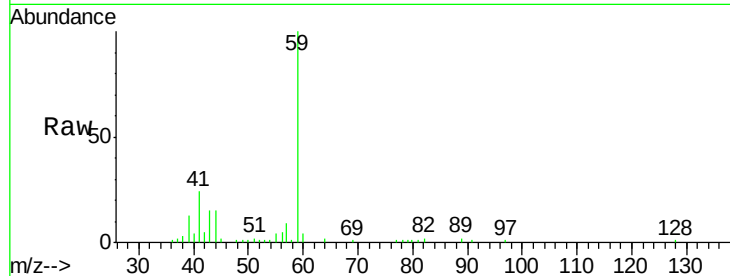
Tert butyl alcohol
 Concen: 35.710 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX001219.D
 Acq: 28 Apr 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW102-180423

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
 APPROVED

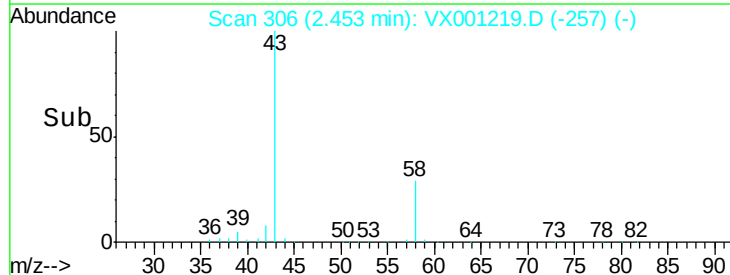
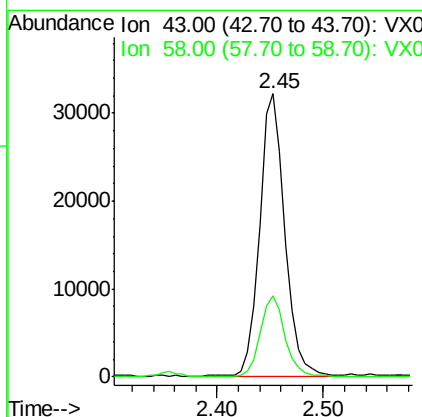
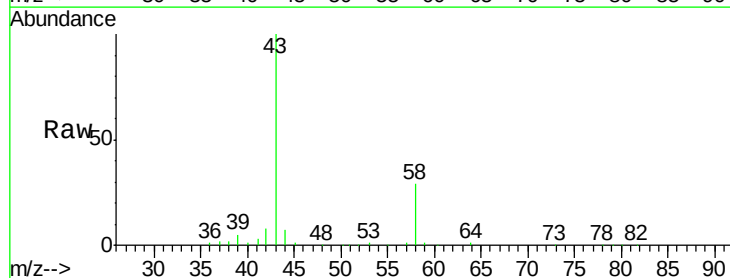
apatel
 5/1/2018 7:44:54 PM

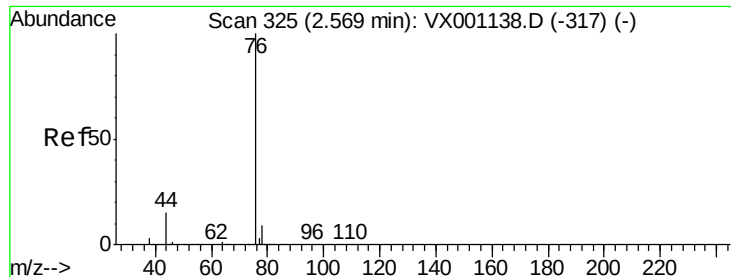


#16

Acetone
 Concen: 46.820 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001219.D
 Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.0	34.6





#17

Carbon Disulfide

Concen: 0.781 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001219.D

Acq: 28 Apr 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

WP022MW102-180423

Tgt Ion: 76 Resp: 3578

Ion Ratio Lower Upper

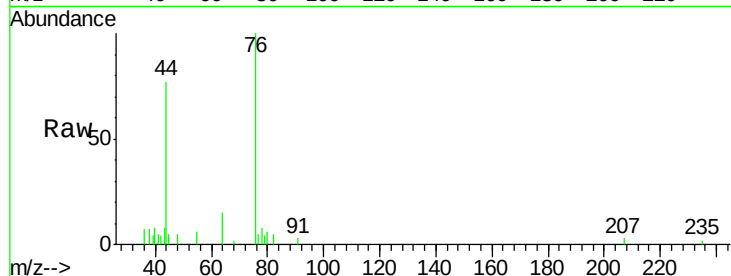
76 100

78 2.8 7.3 10.9#

Manual Integrations
APPROVED

apatel

5/1/2018 7:44:54 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

2000

1500

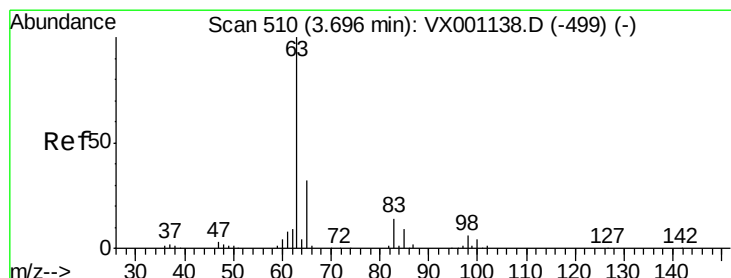
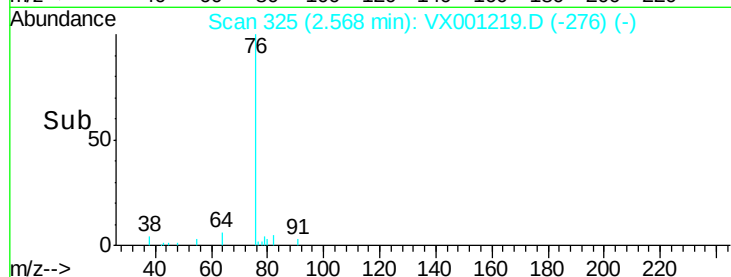
1000

500

0

2.50 2.55 2.60 2.65

Time-->



#24

1,1-Dichloroethane

Concen: 1.414 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001219.D

Acq: 28 Apr 2018 17:39

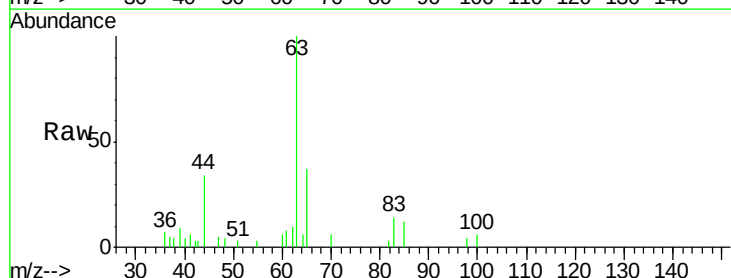
Tgt Ion: 63 Resp: 4868

Ion Ratio Lower Upper

63 100

98 4.5 3.1 9.4

100 6.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

2000

1500

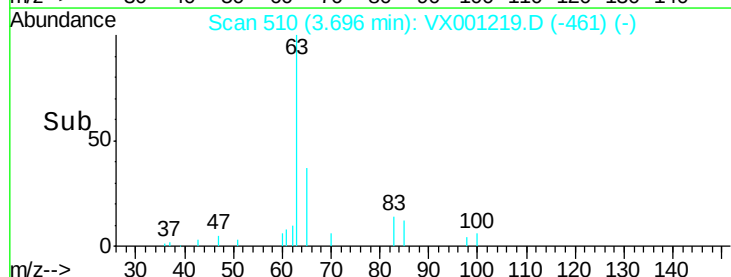
1000

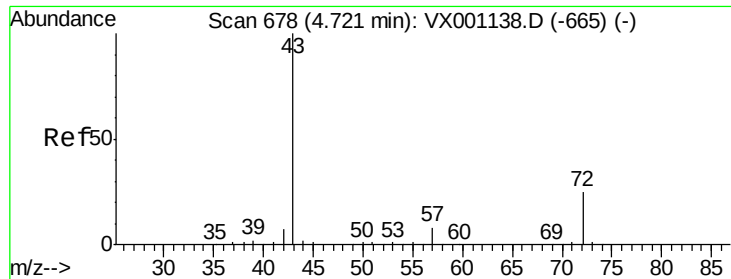
500

0

3.60 3.65 3.70 3.75 3.80

Time-->





#25

2-Butanone

Concen: 7.281 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001219.D

Acq: 28 Apr 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

WP022MW102-180423

Tgt Ion: 43 Resp: 12328

Ion Ratio Lower Upper

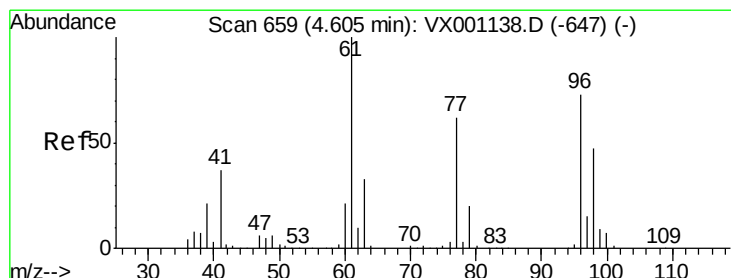
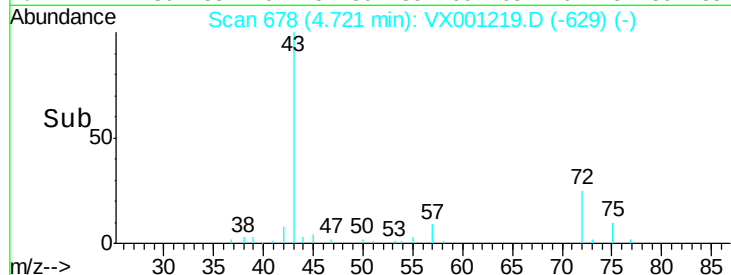
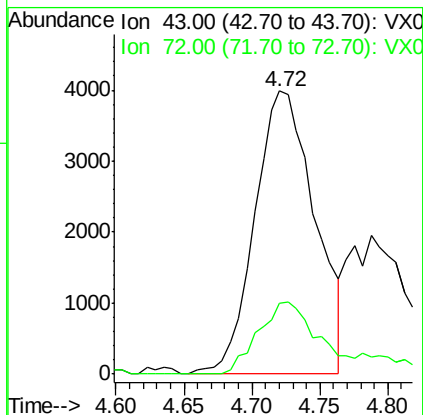
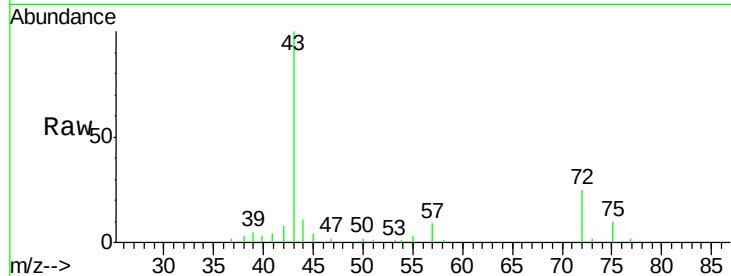
43 100

72 25.1 20.0 30.0

Manual Integrations
APPROVED

apatel

5/1/2018 7:44:54 PM



#27

cis-1,2-Dichloroethene

Concen: 3.665 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001219.D

Acq: 28 Apr 2018 17:39

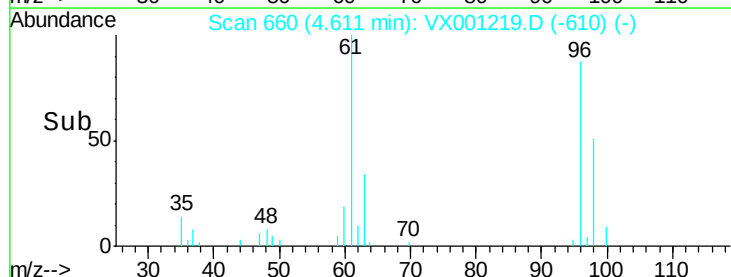
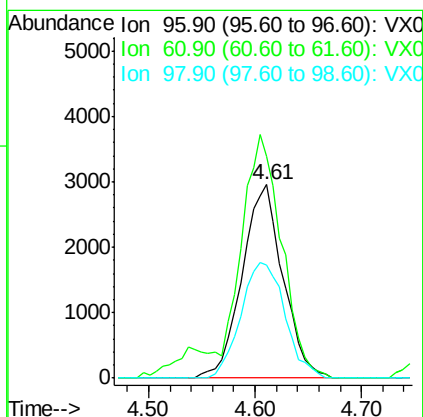
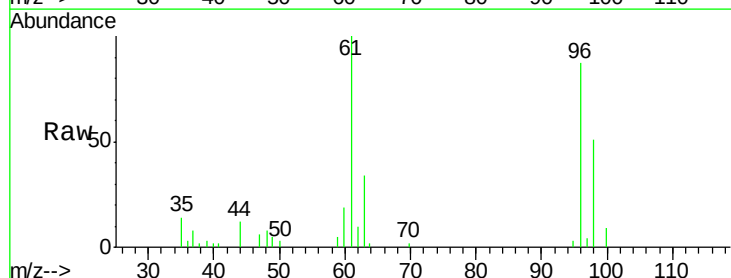
Tgt Ion: 96 Resp: 7962

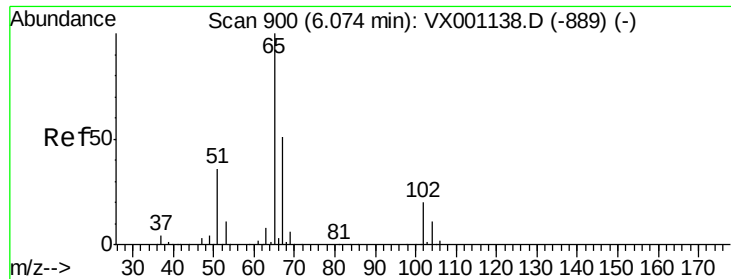
Ion Ratio Lower Upper

96 100

61 125.9 0.0 289.0

98 64.3 0.0 128.2





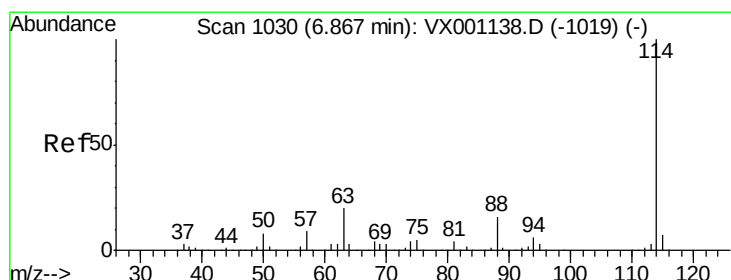
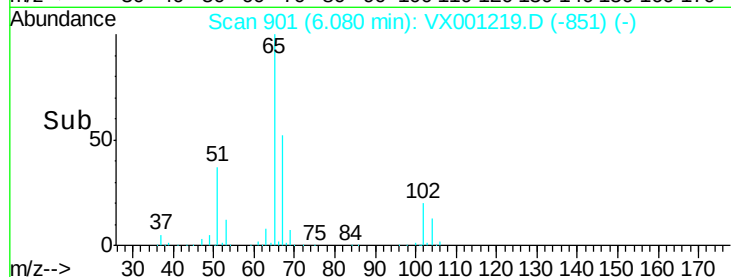
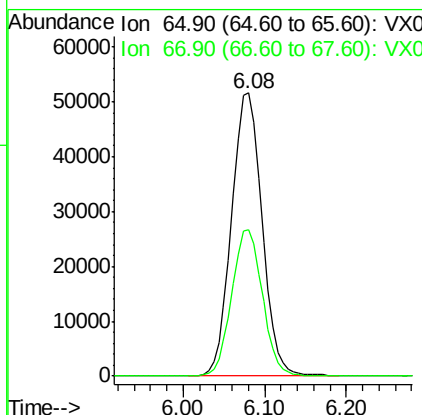
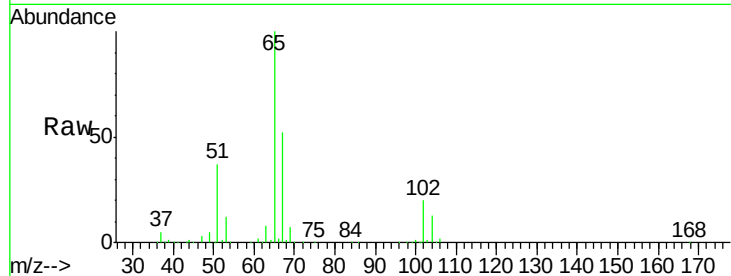
#33
 1,2-Dichloroethane-d4
 Concen: 48.640 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001219.D
 Acq: 28 Apr 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW102-180423

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	133839		
67	52.1	0.0	102.2	

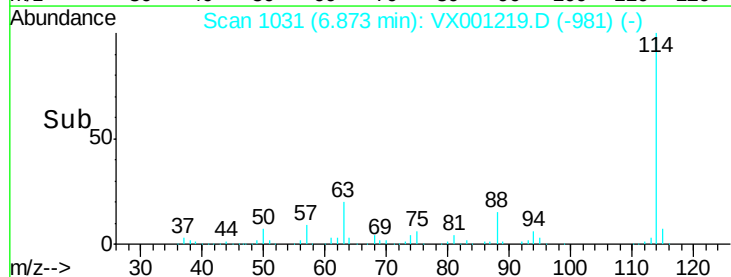
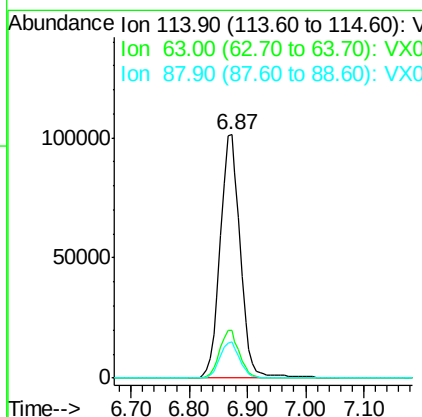
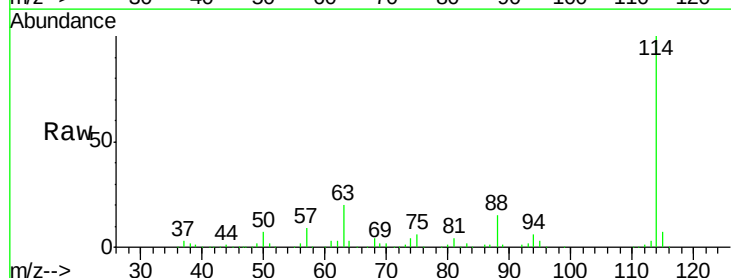
Manual Integrations
 APPROVED

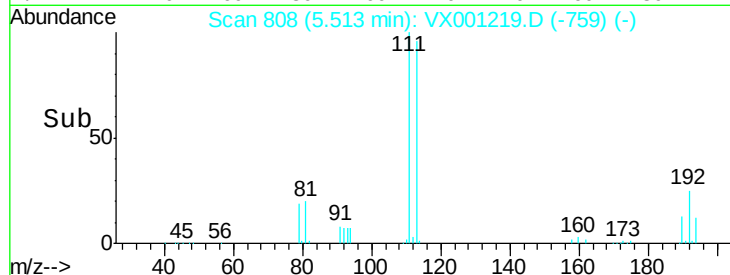
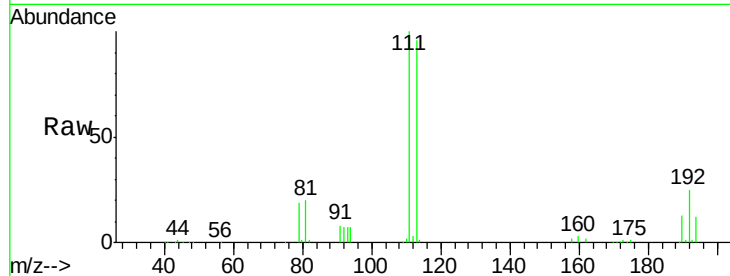
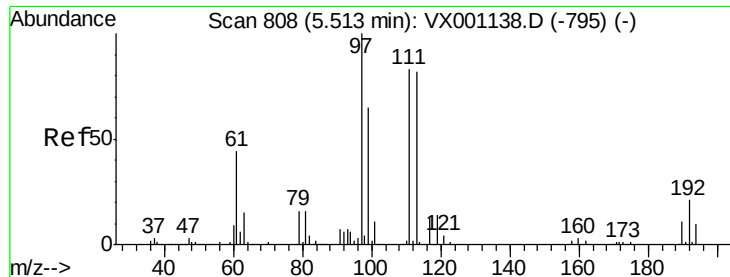
apatel
 5/1/2018 7:44:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001219.D
 Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	243194		
63	19.8	0.0	40.4	
88	14.8	0.0	31.8	





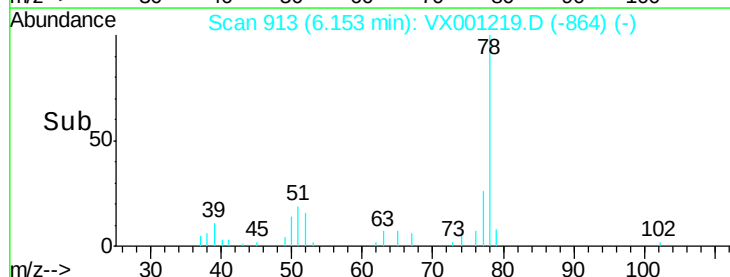
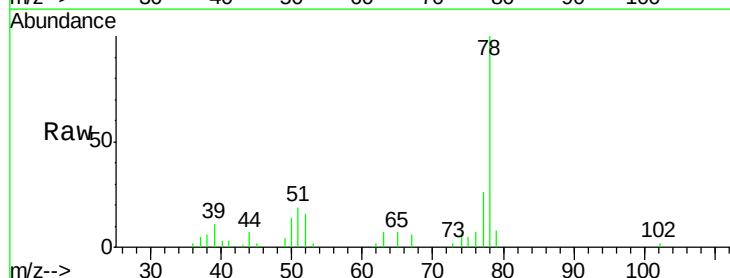
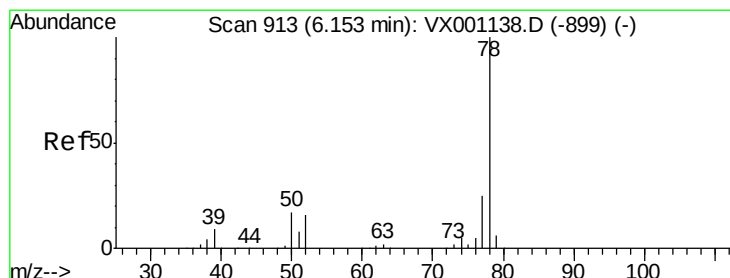
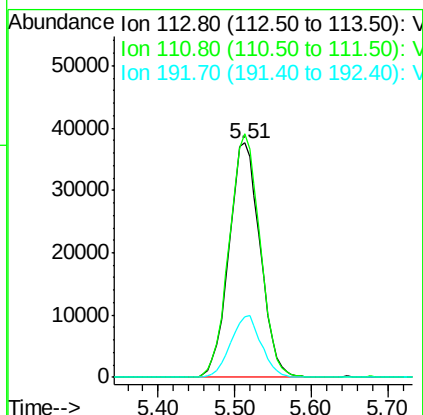
#35
Dibromofluoromethane
Concen: 52.833 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	106349		
111	102.3	82.2	123.4	
192	26.0	20.6	30.8	

Instrument :
MSVOA_X
ClientSampleId :
WP022MW102-180423

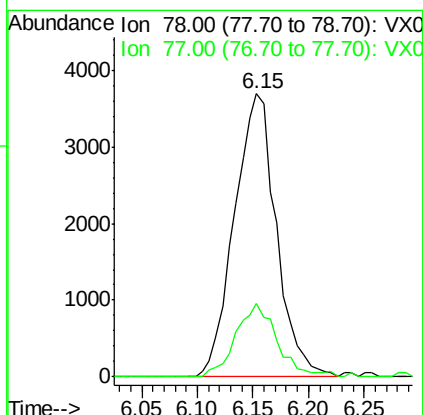
Manual Integrations
APPROVED

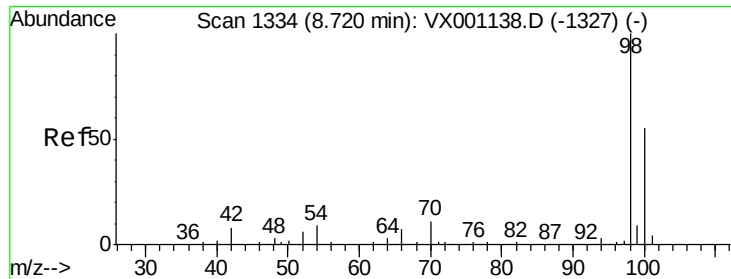
apatel
5/1/2018 7:44:54 PM



#40
Benzene
Concen: 1.246 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	9663		
77	26.0	19.7	29.5	





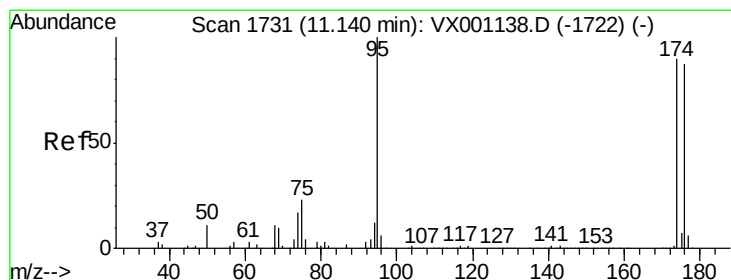
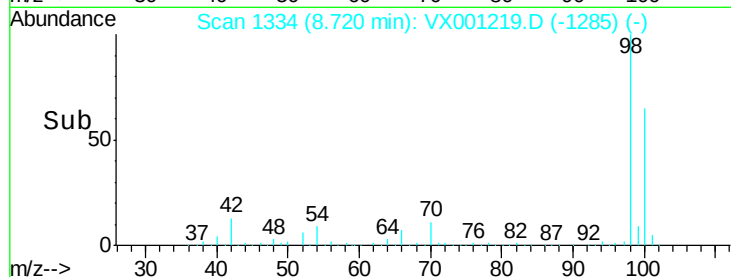
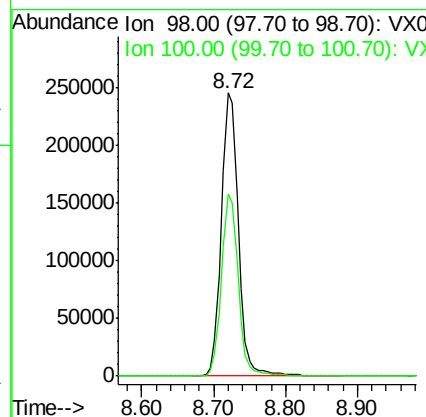
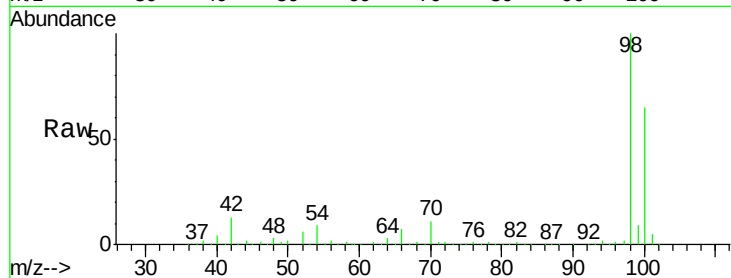
#50
Toluene-d8
Concen: 52.906 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
WP022MW102-180423

Tgt Ion: 98 Resp: 401897
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6

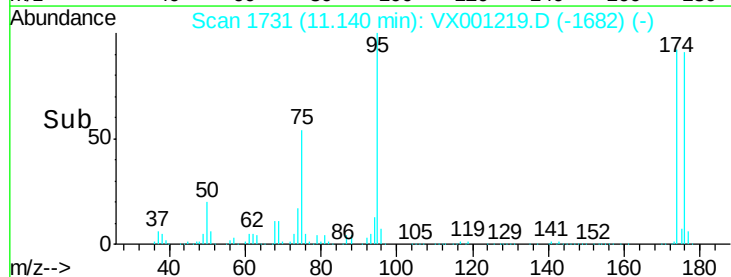
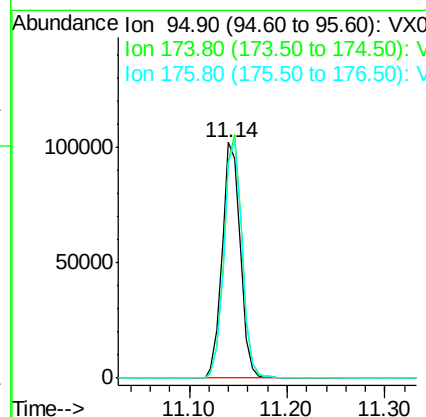
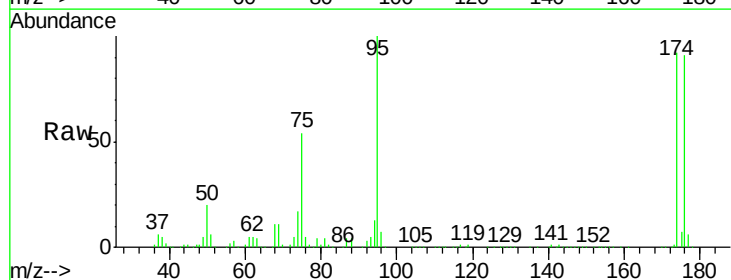
Manual Integrations
APPROVED

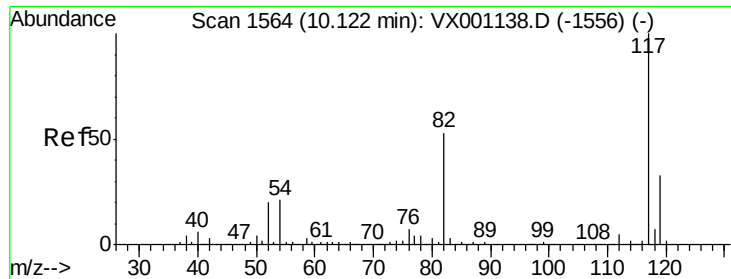
apatel
5/1/2018 7:44:54 PM



#62
4-Bromofluorobenzene
Concen: 44.353 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Tgt Ion: 95 Resp: 131618
Ion Ratio Lower Upper
95 100
174 102.2 0.0 194.4
176 100.0 0.0 190.2





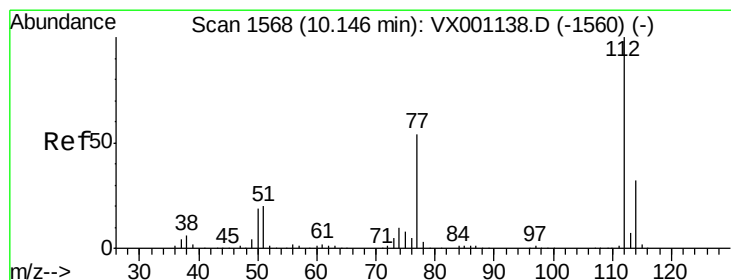
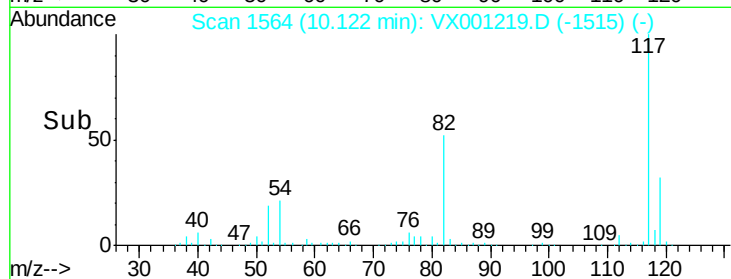
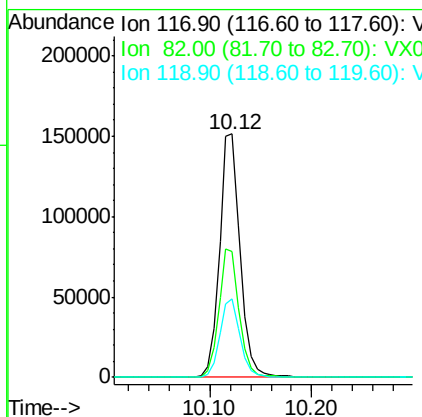
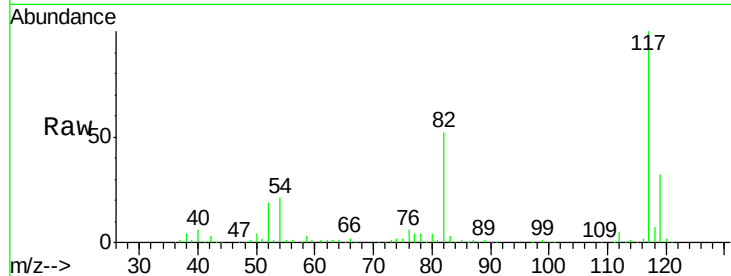
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :
WP022MW102-180423

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	213485		
82	51.7	42.1	63.1	
119	32.0	26.1	39.1	

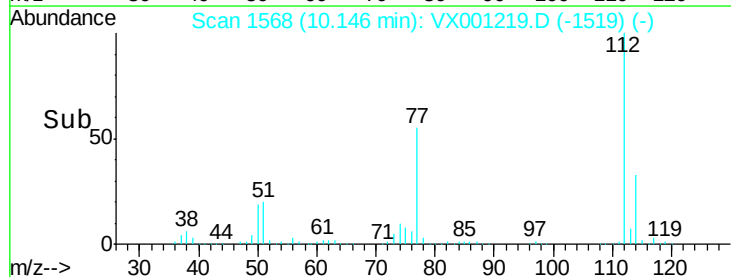
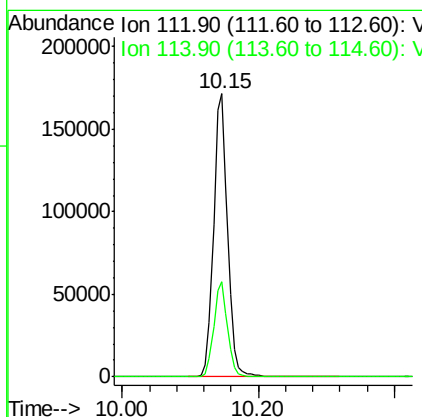
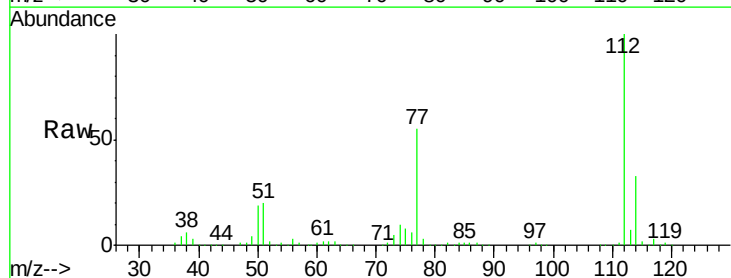
Manual Integrations
APPROVED

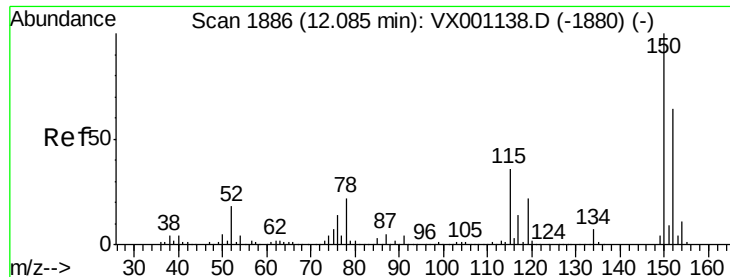
apatel
5/1/2018 7:44:54 PM



#65
Chlorobenzene
Concen: 43.583 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001219.D
Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	243770		
114	33.5	25.7	38.5	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001219.D

Acq: 28 Apr 2018 17:39

Instrument :

MSVOA_X

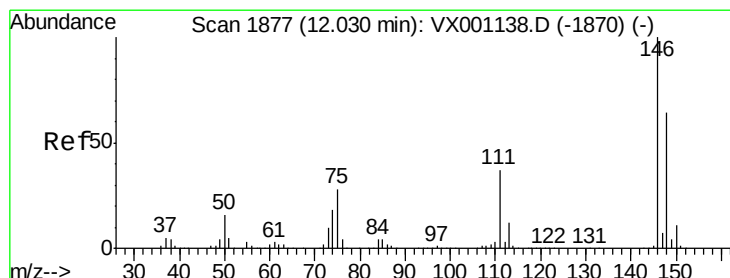
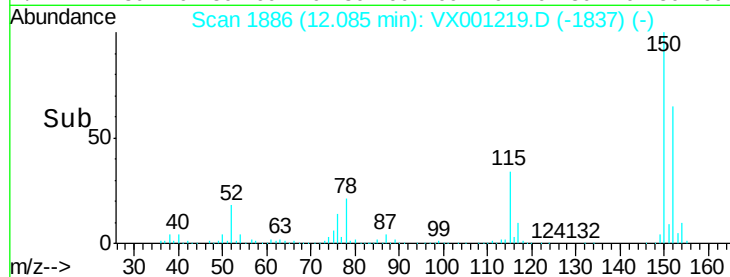
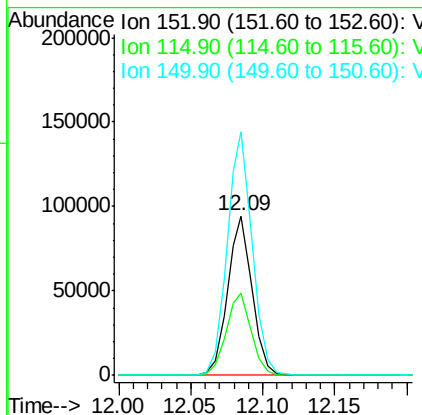
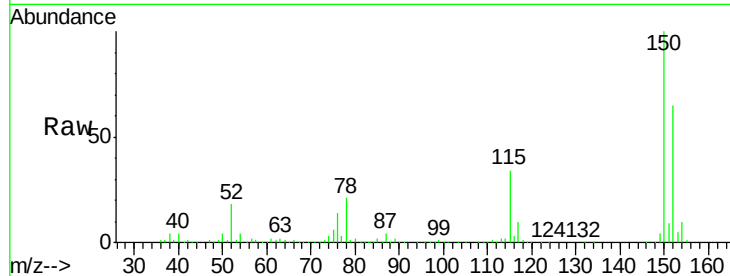
ClientSampleId :

WP022MW102-180423

Tgt Ion:	152	Resp:	112162
Ion Ratio	Lower	Upper	
152	100		
115	52.9	38.0	114.0
150	156.3	0.0	349.6

Manual Integrations
APPROVED

apatel
5/1/2018 7:44:54 PM



#87

1,3-Dichlorobenzene

Concen: 0.470 ug/l

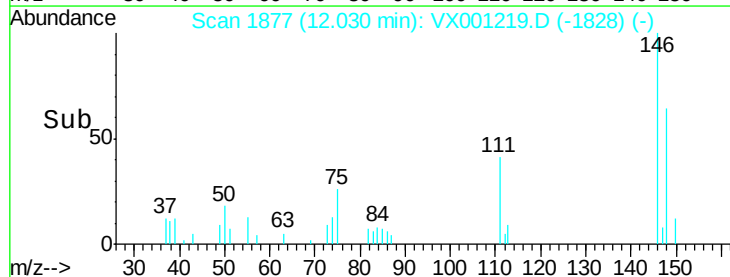
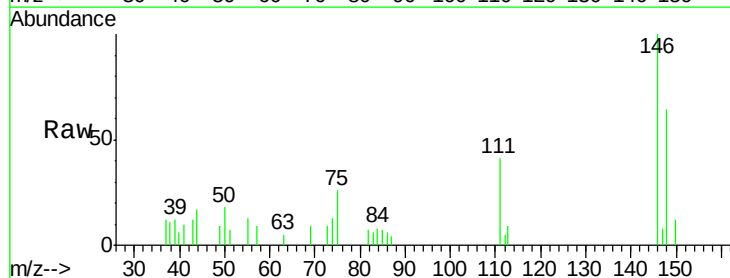
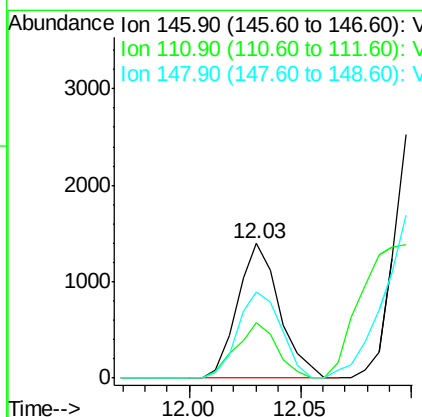
RT: 12.03 min Scan# 1877

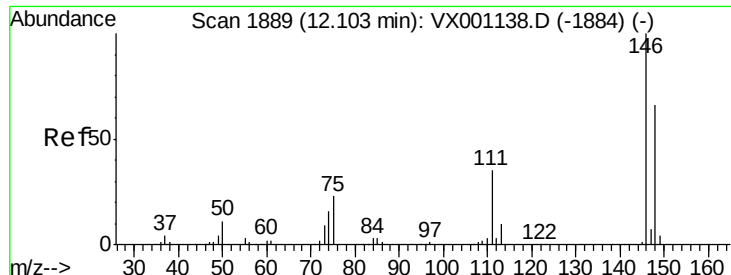
Delta R.T. -0.00 min

Lab File: VX001219.D

Acq: 28 Apr 2018 17:39

Tgt Ion:	146	Resp:	1828
Ion Ratio	Lower	Upper	
146	100		
111	39.7	18.6	56.0
148	66.1	32.3	96.8





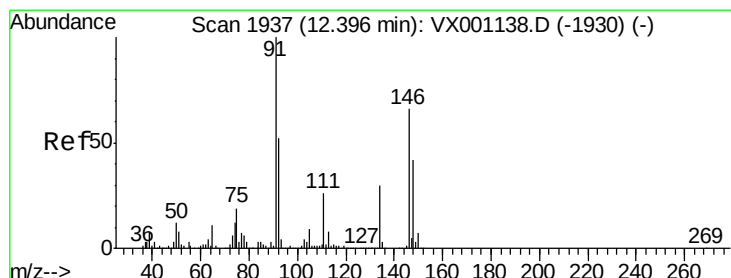
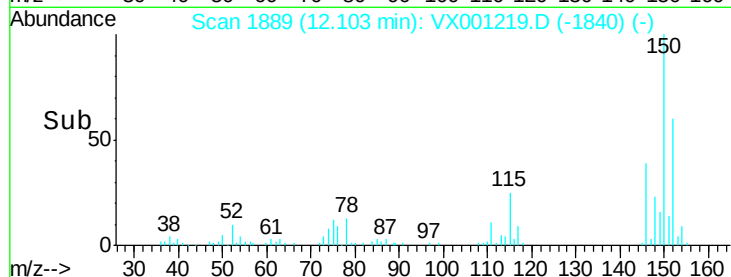
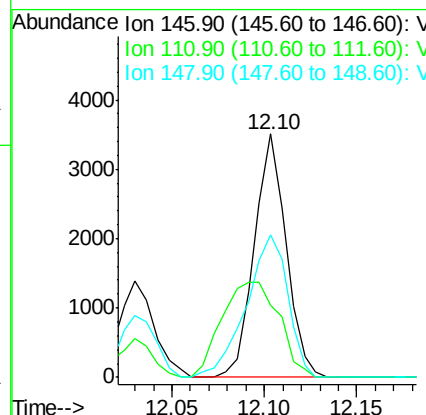
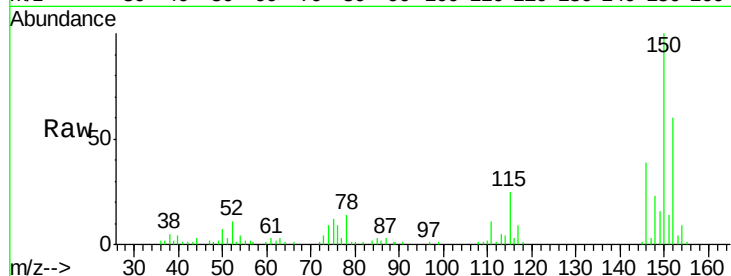
#88
 1,4-Dichlorobenzene
 Concen: 1.034 ug/l m
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001219.D
 Acq: 28 Apr 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW102-180423

Tgt Ion	Ratio	Lower	Upper
146	100		
111	17.3	18.0	54.0#
148	28.8	32.5	97.5#

Manual Integrations
 APPROVED

apatel
 5/1/2018 7:44:54 PM



#91
 1,2-Dichlorobenzene
 Concen: 1.338 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001219.D
 Acq: 28 Apr 2018 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	68.5	32.2	96.6

