

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003517.D
 Acq On : 24 Jun 2018 18:06
 Operator : SY/AP
 Sample : J3669-19
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-27-29-180620

Manual Integrations
 APPROVED

apatel
 6/26/2018 3:03:52 PM

Quant Time: Jun 25 01:02:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	291488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143411	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	117413	61.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.48%	
35) Dibromofluoromethane	7.88	113	98195	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	10.33	98	346308	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.63	95	135995	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.36	62	4093825	2093.89	ug/l	98
12) 1,1-Dichloroethene	4.03	96	86379	54.35	ug/l	94
16) Acetone	4.14	43	9366	23.48	ug/l	95
20) Methylene Chloride	4.90	84	10616	2.80	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	44683	25.83	ug/l	96
27) cis-1,2-Dichloroethene	7.15	96	27088160m	14255.20	ug/l	
30) Chloroform	7.68	83	10158	3.03	ug/l	90
31) Cyclohexane	7.96	56	10788	3.51	ug/l #	69
39) Methylcyclohexane	9.34	83	5476	1.68	ug/l	98
40) Benzene	8.33	78	84313	10.87	ug/l	98
44) Trichloroethene	9.10	130	13226040	6432.68	ug/l	95
52) Toluene	10.39	92	11005	2.21	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	7220	5.07	ug/l	91
64) Tetrachloroethene	10.87	164	2102	1.17	ug/l #	85
65) Chlorobenzene	11.66	112	45691	8.16	ug/l	98
73) Isopropylbenzene	12.47	105	13547	1.36	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	12076	2.53	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	27812	5.86	ug/l	91
91) 1,2-Dichlorobenzene	13.88	146	80048	19.15	ug/l	98

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

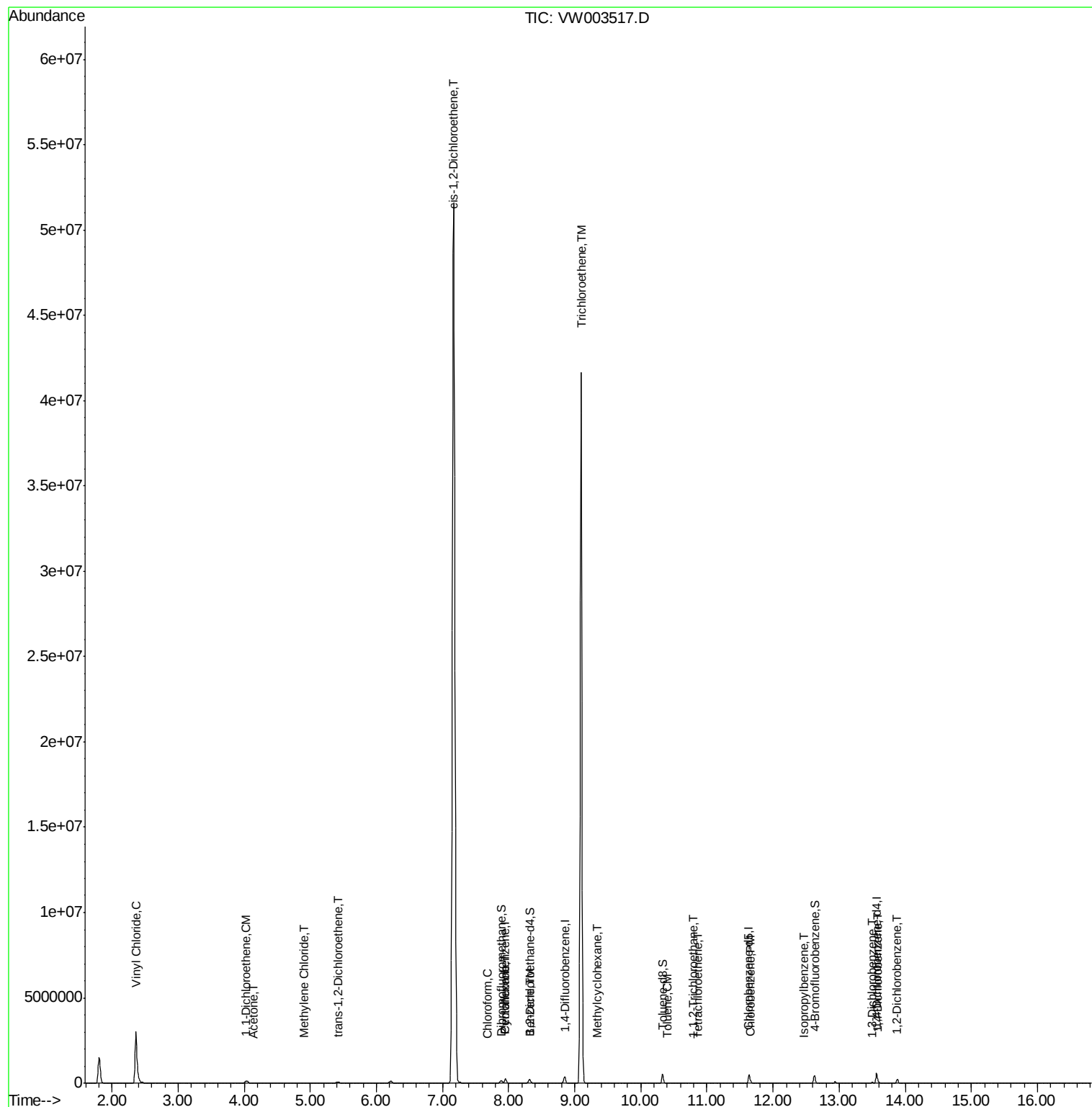
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003517.D
Acq On : 24 Jun 2018 18:06
Operator : SY/AP
Sample : J3669-19
Misc : 5.92G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

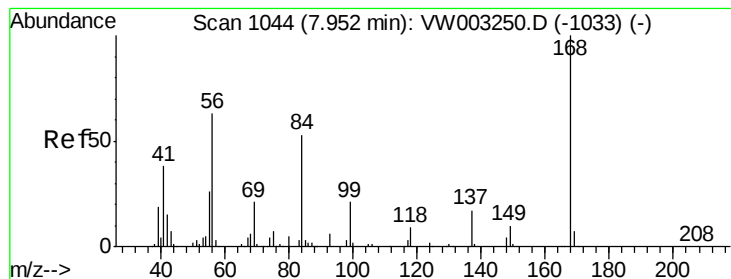
Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-27-29-180620

Manual Integrations
APPROVED

apatel
6/26/2018 3:03:52 PM

Quant Time: Jun 25 01:02:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-27-29-180620

Tot Ion:168 Resp: 175578

Ion Ratio Lower Upper

168 100

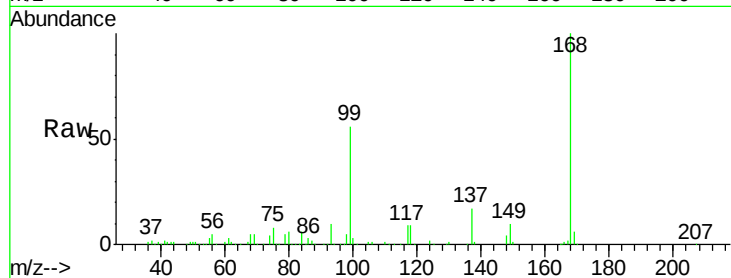
99 56.1 45.5 68.3

Manual Integrations

APPROVED

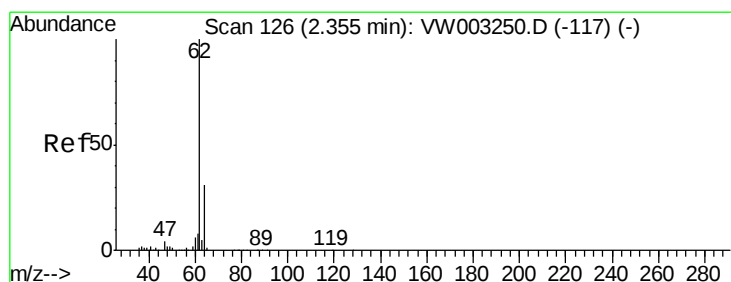
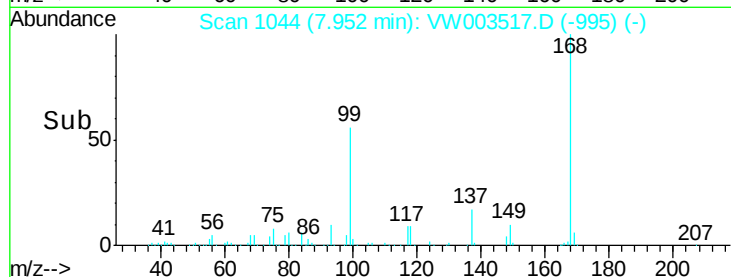
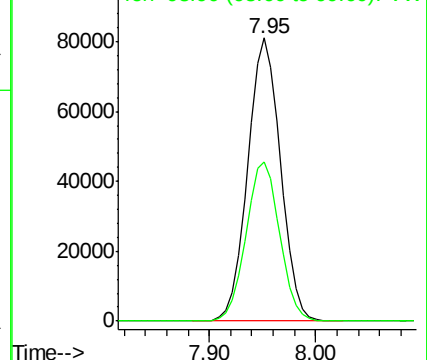
apatel

6/26/2018 3:03:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 2093.89 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003517.D

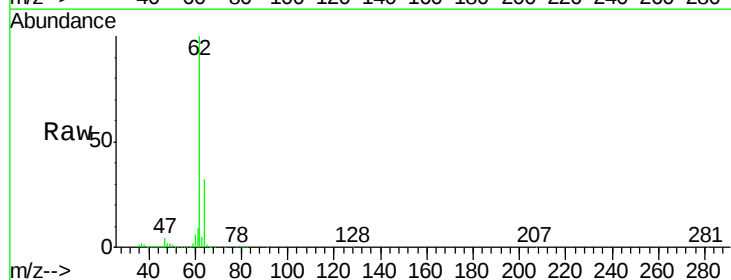
Acq: 24 Jun 2018 18:06

Tgt Ion: 62 Resp: 4093825

Ion Ratio Lower Upper

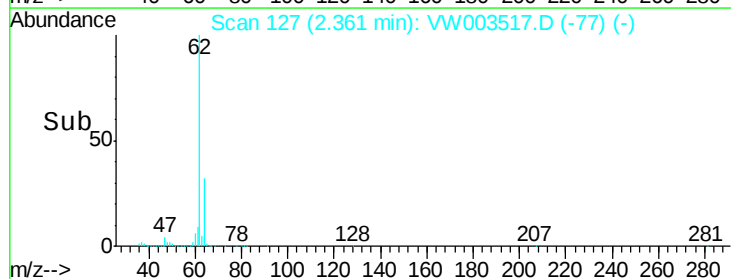
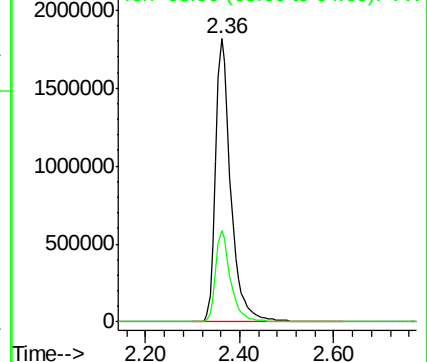
62 100

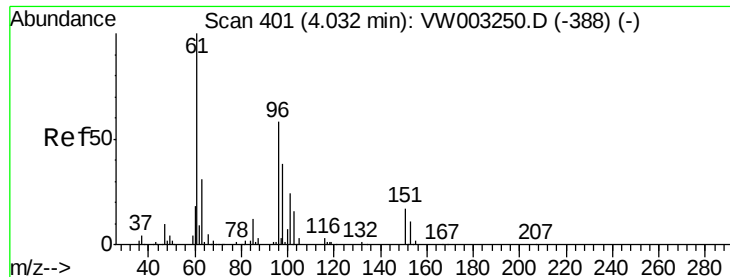
64 32.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#12

1,1-Dichloroethene

Concen: 54.35 ug/l

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Instrument :

MSVOA_W

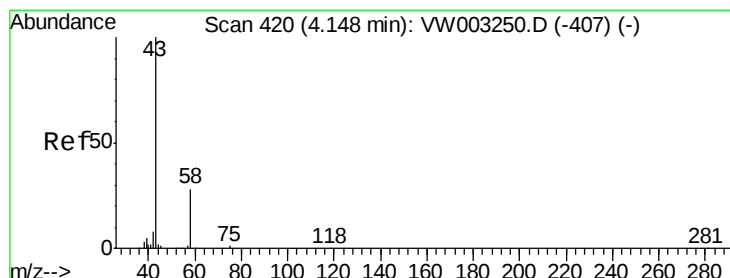
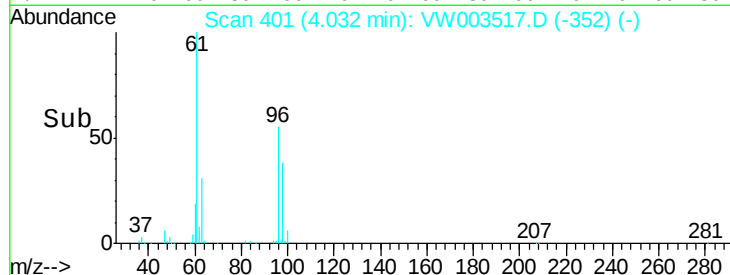
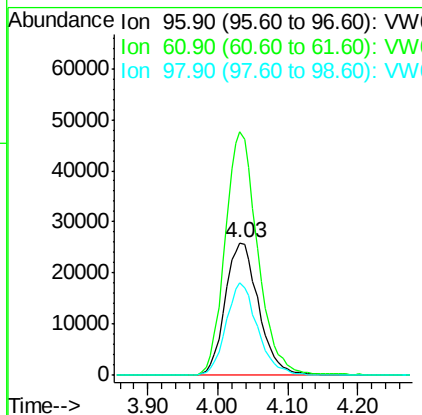
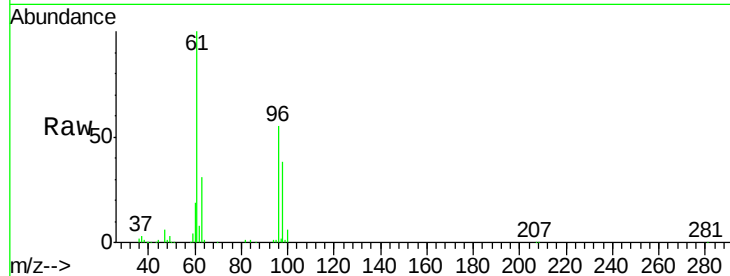
ClientSampleId :

WP021SB475-27-29-180620

Tot Ion:	96	Resp:	86379
Ion	Ratio	Lower	Upper
96	100		
61	183.2	139.0	208.4
98	69.9	53.3	79.9

Manual Integrations
APPROVED

apatel
6/26/2018 3:03:52 PM



#16

Acetone

Concen: 23.48 ug/l

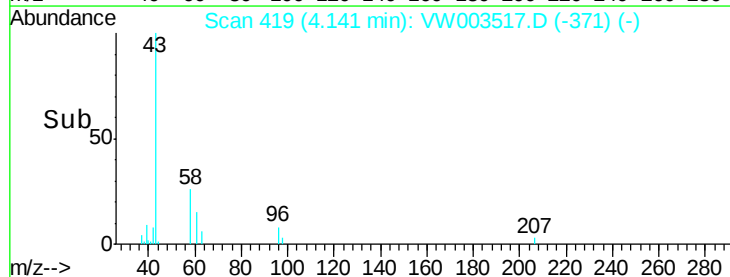
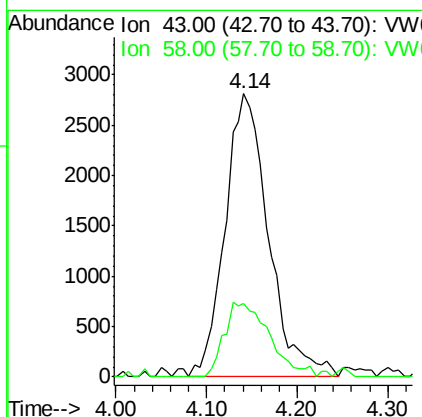
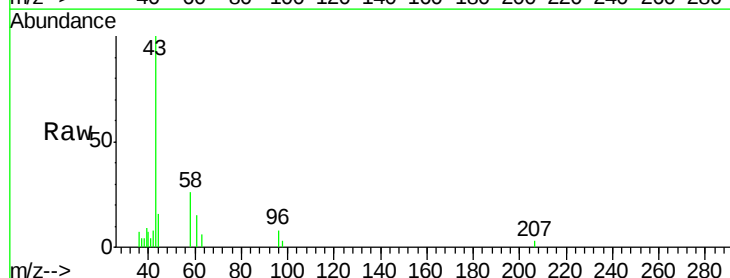
RT: 4.14 min Scan# 419

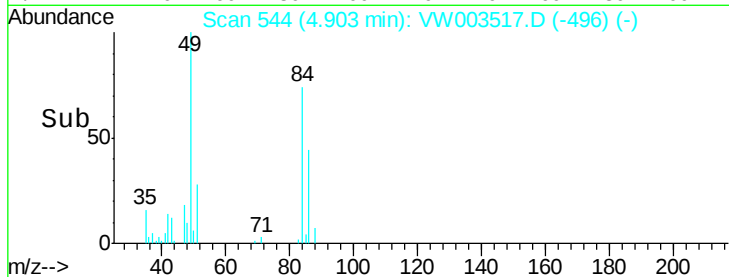
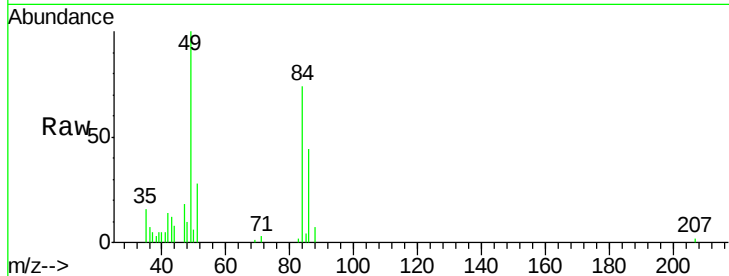
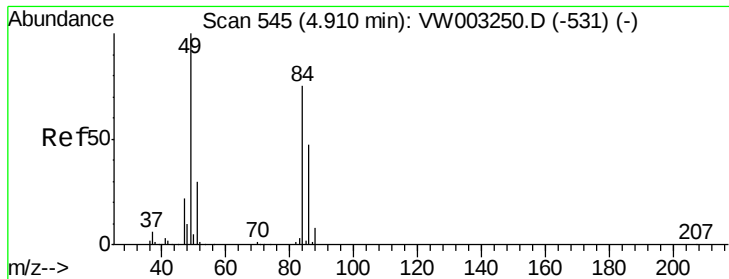
Delta R.T. -0.01 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Tgt Ion:	43	Resp:	9366
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.6	34.0





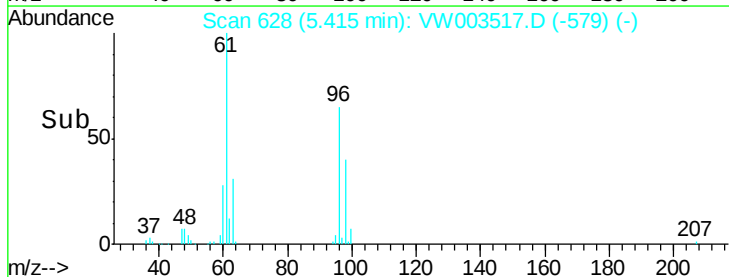
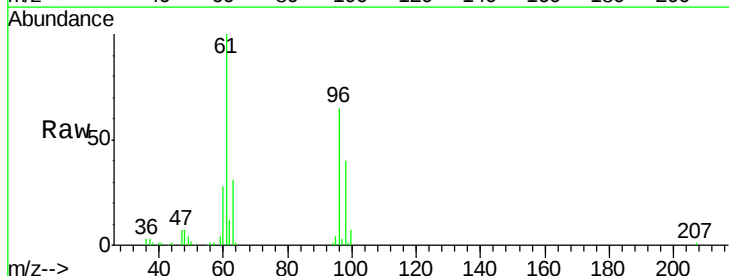
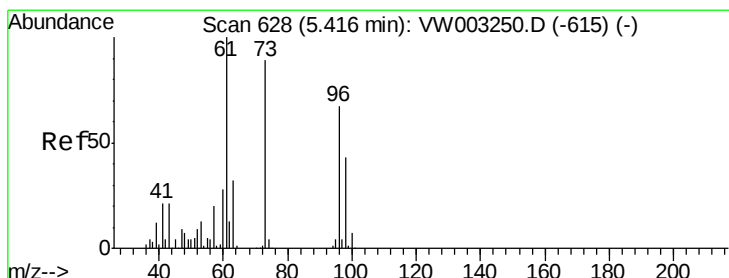
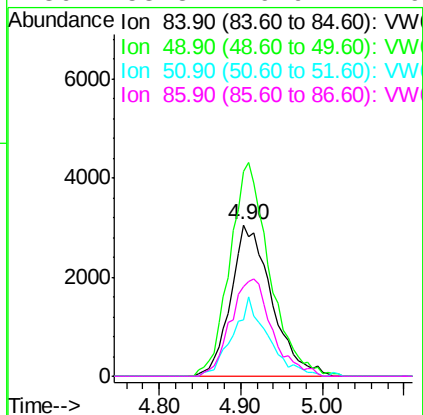
#20
Methylene Chloride
Concen: 2.80 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Tot Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.3	159.5
51	37.4	32.0	48.0
86	58.8	49.9	74.9

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-27-29-180620

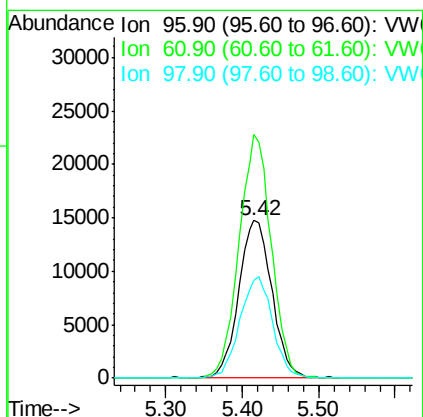
Manual Integrations
APPROVED

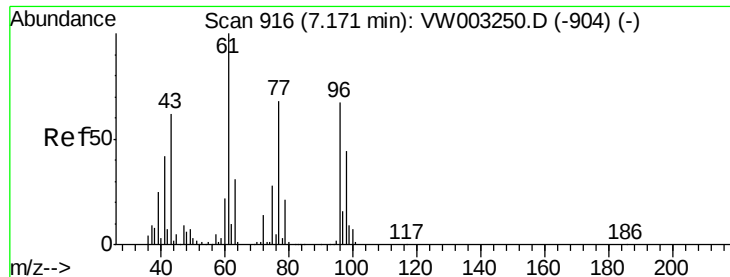
apatel
6/26/2018 3:03:52 PM



#21
trans-1,2-Dichloroethene
Concen: 25.83 ug/l
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	118.7	178.1
98	62.4	51.0	76.6





#27

cis-1,2-Dichloroethene
 Concen: 14255.20 ug/l m
 RT: 7.15 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VW003517.D
 Acq: 24 Jun 2018 18:06

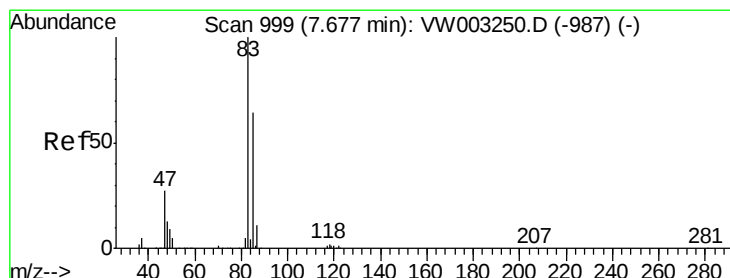
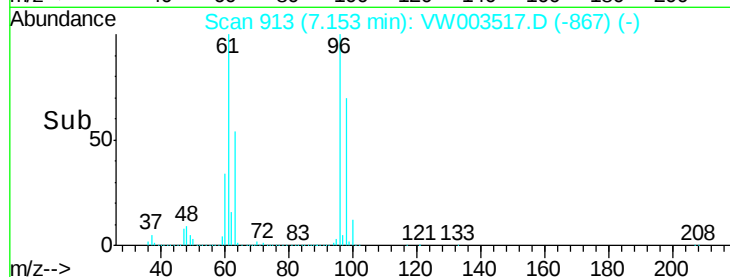
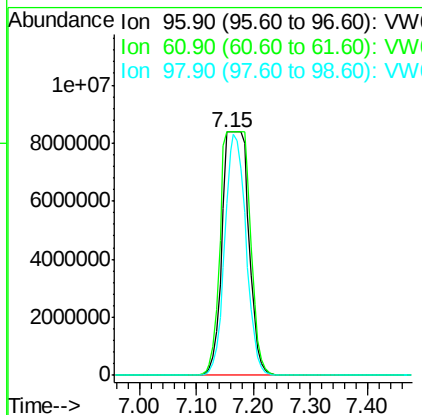
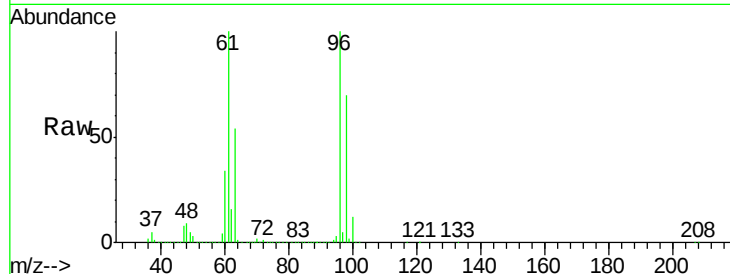
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-27-29-180620

Tot Ion: 96 Resp: 27088160

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	298.8
98	0.0	0.0	130.4

Manual Integrations
 APPROVED

apatel
 6/26/2018 3:03:52 PM

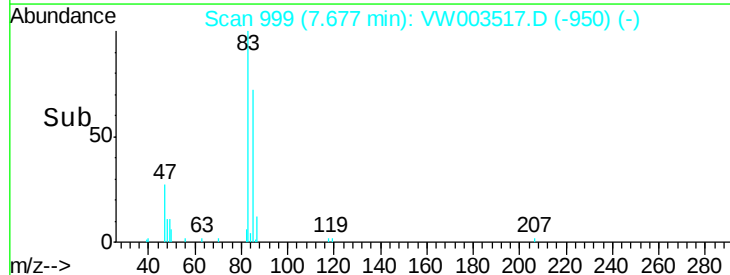
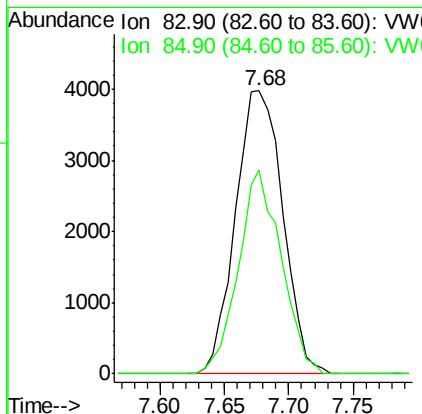
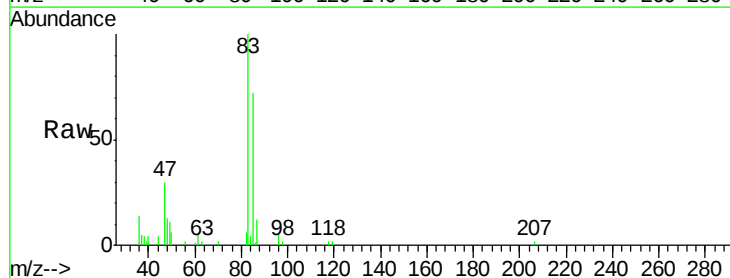


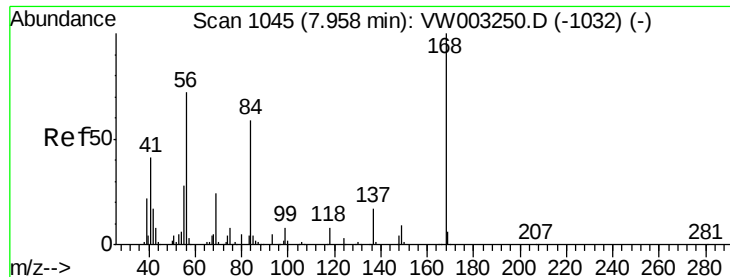
#30

Chloroform
 Concen: 3.03 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VW003517.D
 Acq: 24 Jun 2018 18:06

Tgt Ion: 83 Resp: 10158

Ion	Ratio	Lower	Upper
83	100		
85	72.1	51.3	76.9





#31

Cyclohexane

Concen: 3.51 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Instrument :

MSVOA_W

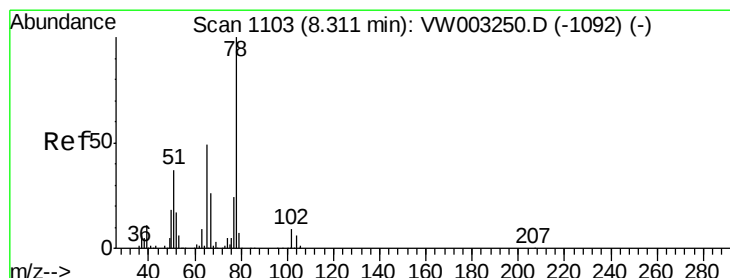
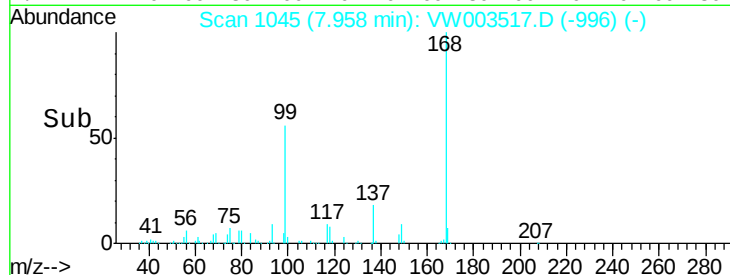
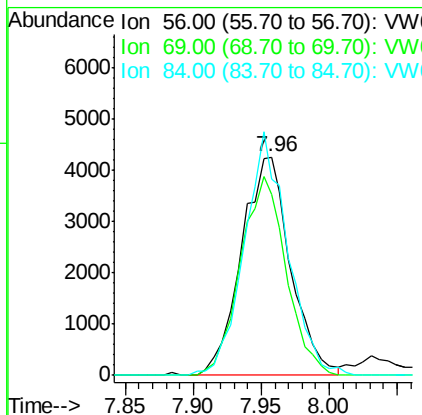
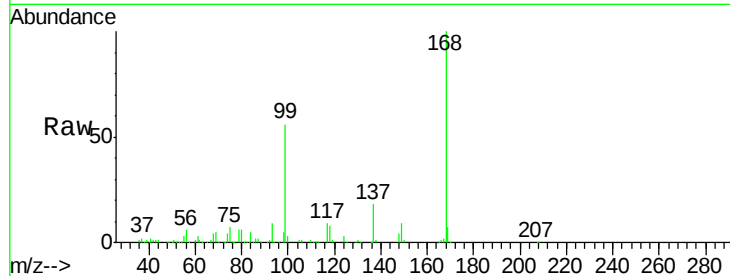
ClientSampleId :

WP021SB475-27-29-180620

Tot Ion:	56	Resp:	10788
Ion Ratio	Lower	Upper	
56	100		
69	83.0	26.3	39.5#
84	89.7	65.7	98.5

Manual Integrations
APPROVED

apatel
6/26/2018 3:03:52 PM



#33

1,2-Dichloroethane-d4

Concen: 61.74 ug/l

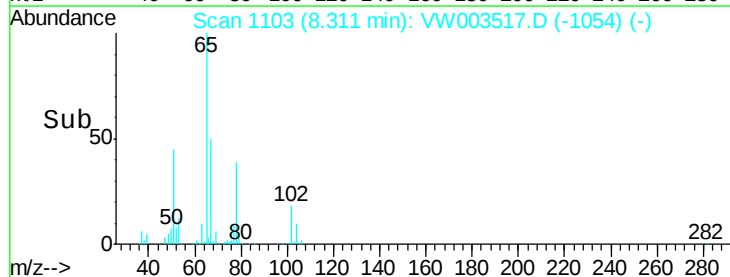
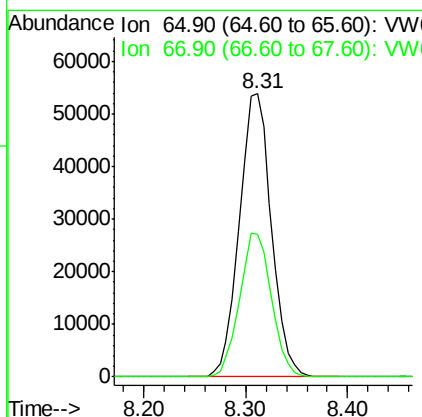
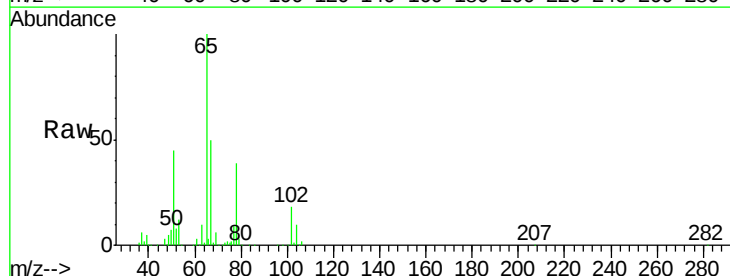
RT: 8.31 min Scan# 1103

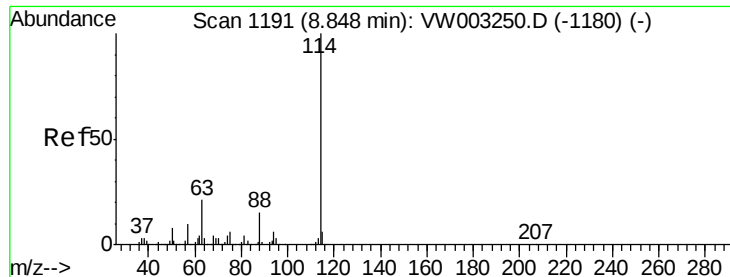
Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Tgt Ion:	65	Resp:	117413
Ion Ratio	Lower	Upper	
65	100		
67	50.7	0.0	104.2





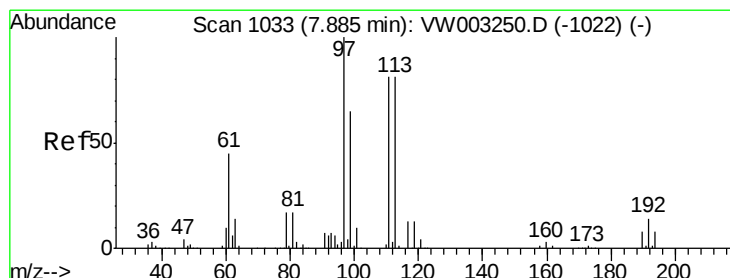
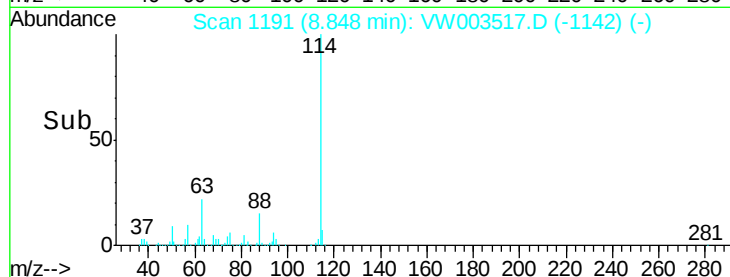
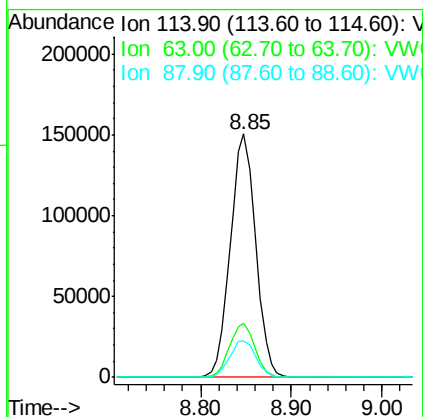
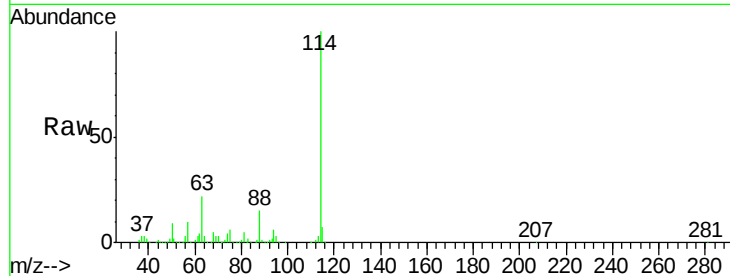
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003517.D
 Acq: 24 Jun 2018 18:06

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-27-29-180620

Tot Ion	Ratio	Resp	Lower	Upper
114	100	291488		
63	22.1	0.0	43.0	
88	14.8	0.0	29.6	

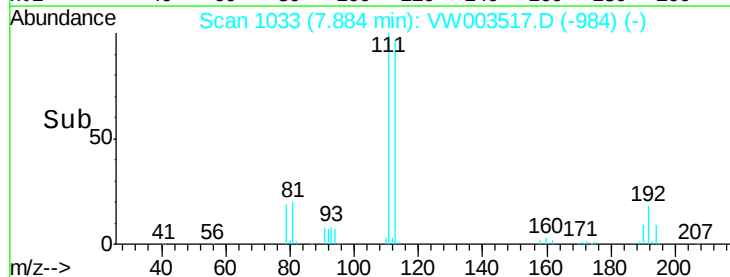
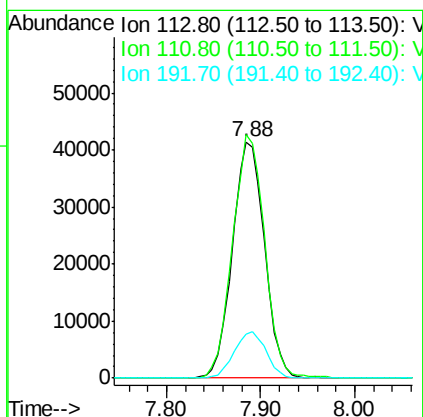
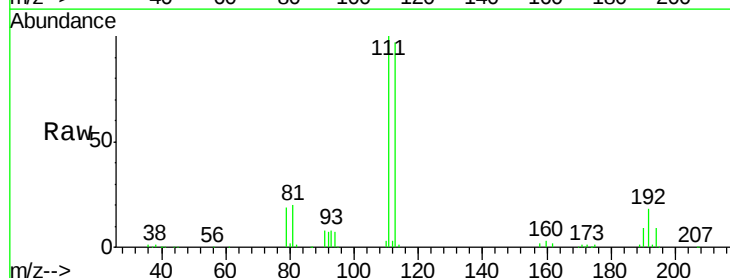
Manual Integrations
 APPROVED

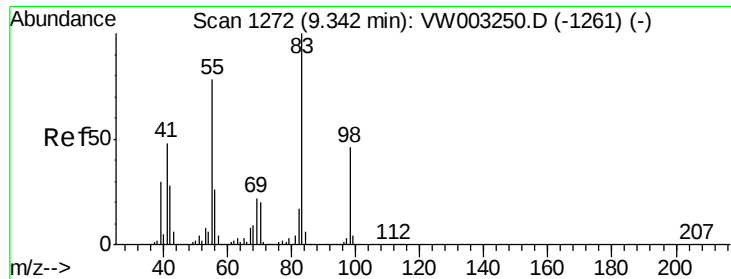
apatel
 6/26/2018 3:03:52 PM



#35
 Dibromofluoromethane
 Concen: 54.21 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003517.D
 Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	98195		
111	103.1	82.2	123.2	
192	19.6	16.2	24.2	





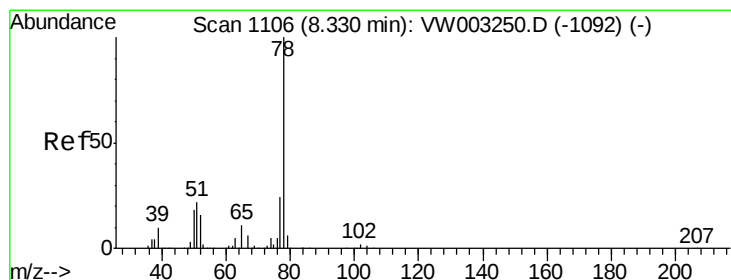
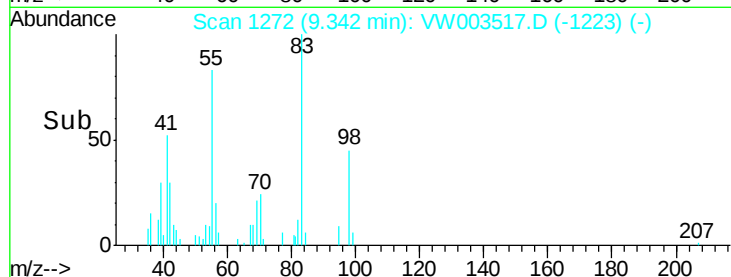
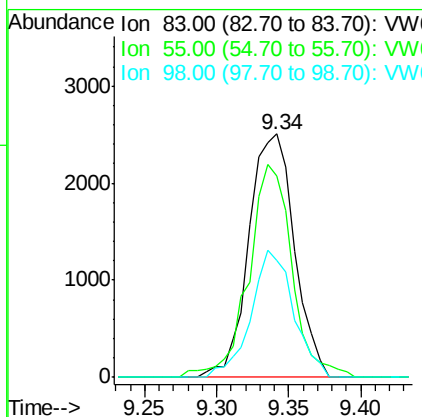
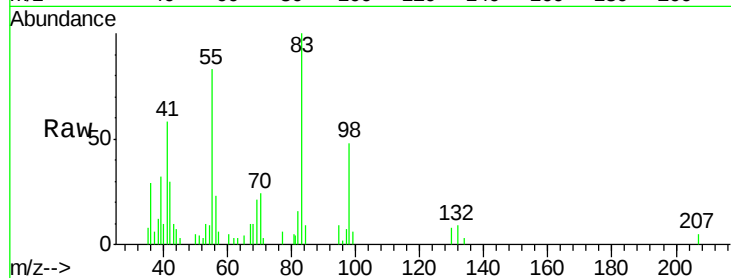
#39
Methvlcvclohexane
Concen: 1.68 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-27-29-180620

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.6	93.8
98	48.2	37.0	55.4

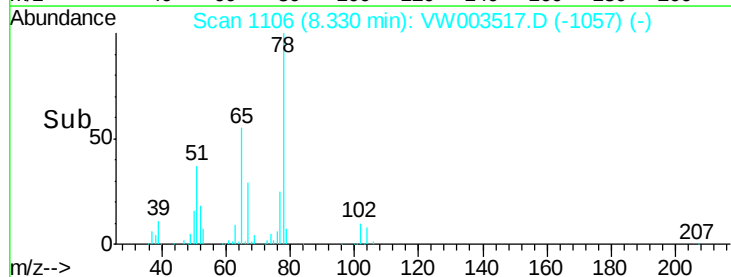
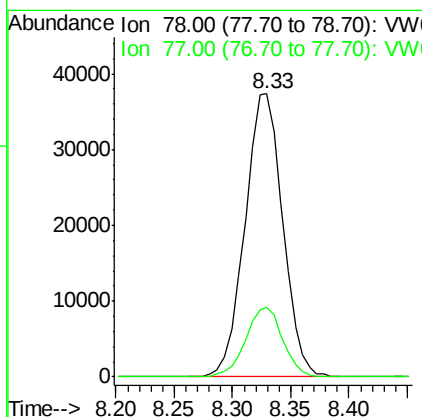
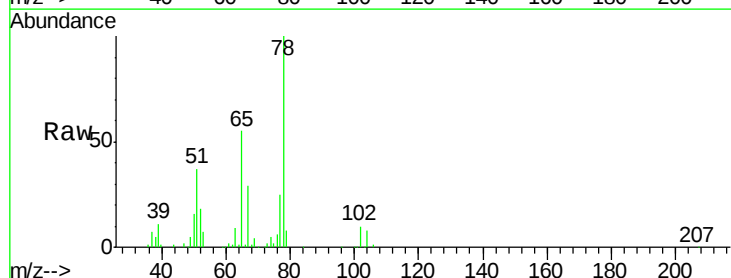
Manual Integrations
APPROVED

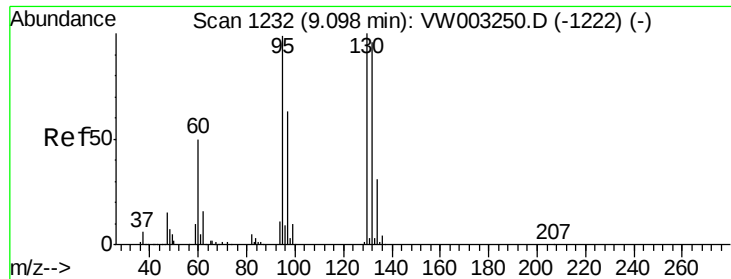
apatel
6/26/2018 3:03:52 PM



#40
Benzene
Concen: 10.87 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





#44

Trichloroethene

Concen: 6432.68 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-27-29-180620

Tot Ion:130 Resp:13226040

Ion Ratio Lower Upper

130 100

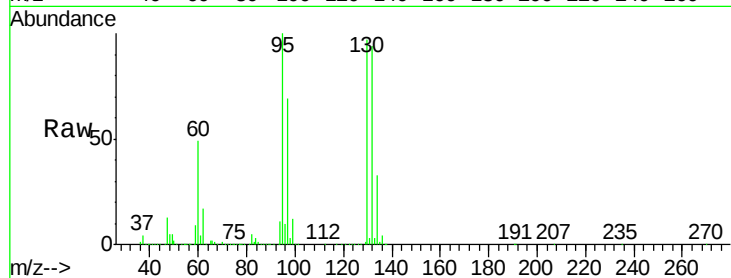
95 103.5 0.0 198.0

Manual Integrations

APPROVED

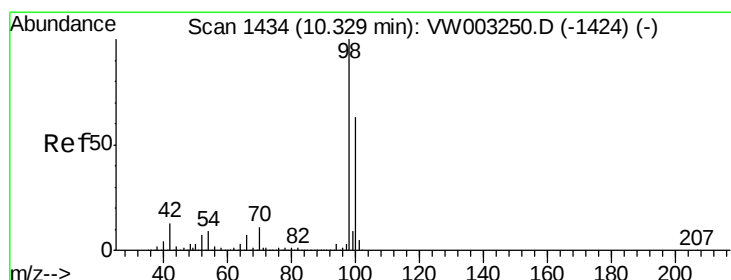
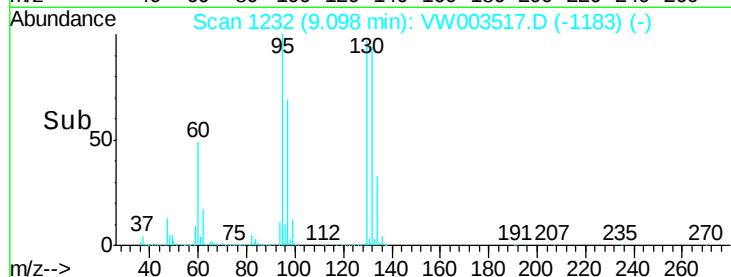
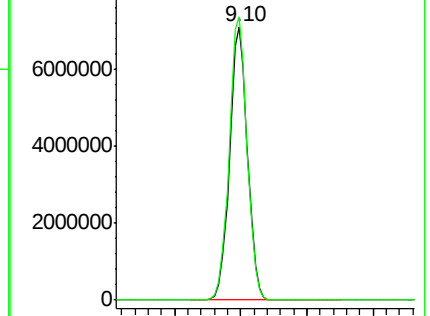
apatel

6/26/2018 3:03:52 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 48.22 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003517.D

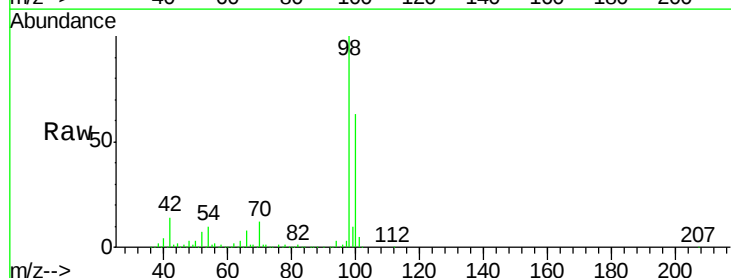
Acq: 24 Jun 2018 18:06

Tgt Ion: 98 Resp: 346308

Ion Ratio Lower Upper

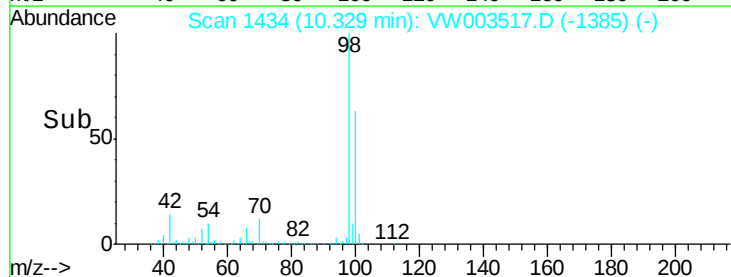
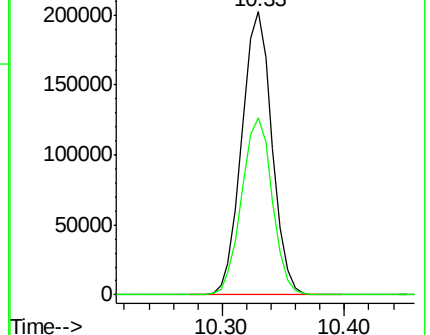
98 100

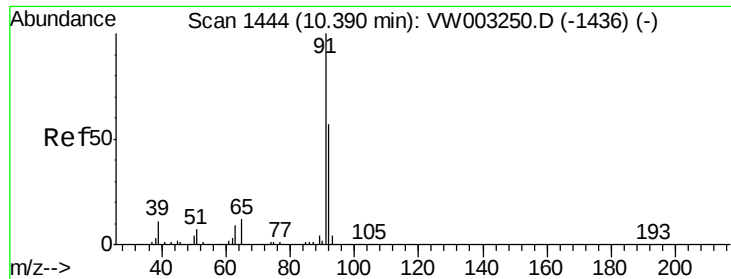
100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.21 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-27-29-180620

Tot Ion: 92 Resp: 11005

Ion Ratio Lower Upper

92 100

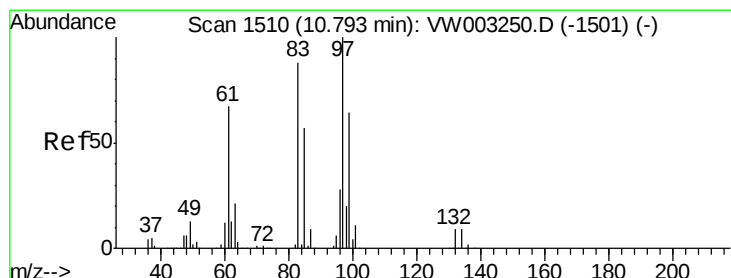
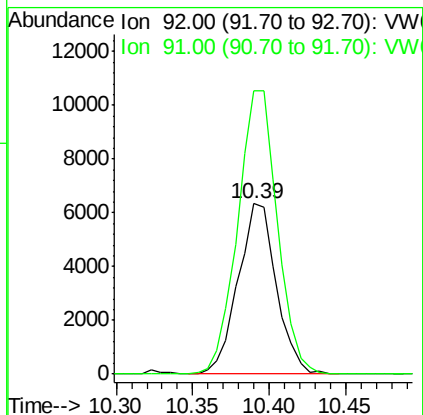
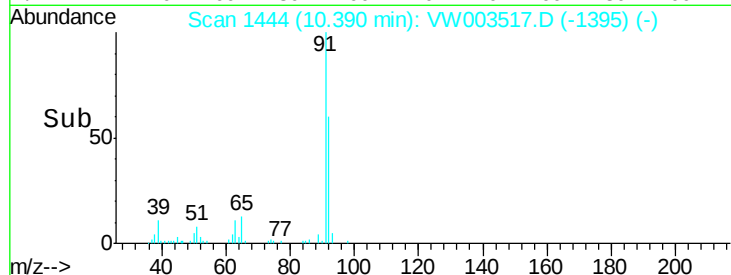
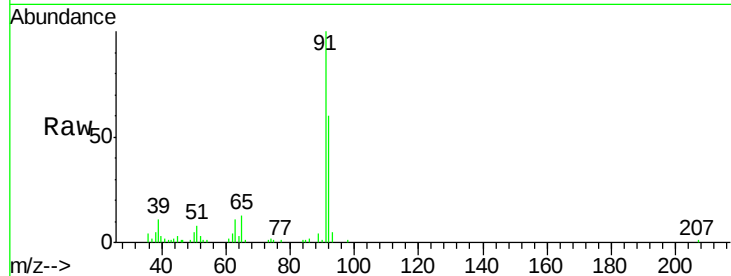
91 172.2 141.1 211.7

Manual Integrations

APPROVED

apatel

6/26/2018 3:03:52 PM



#55

1,1,2-Trichloroethane

Concen: 5.07 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Tgt Ion: 97 Resp: 7220

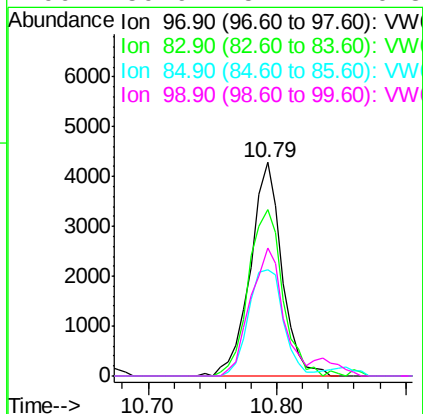
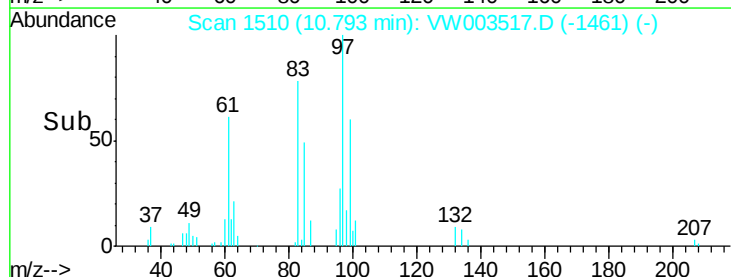
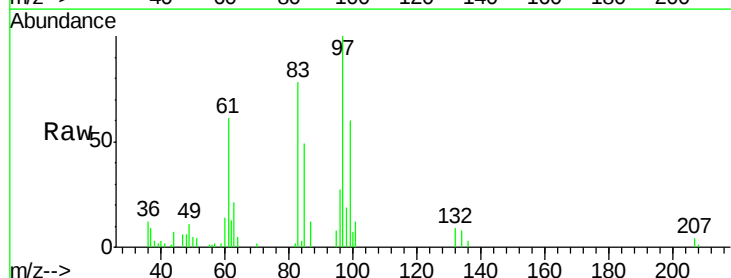
Ion Ratio Lower Upper

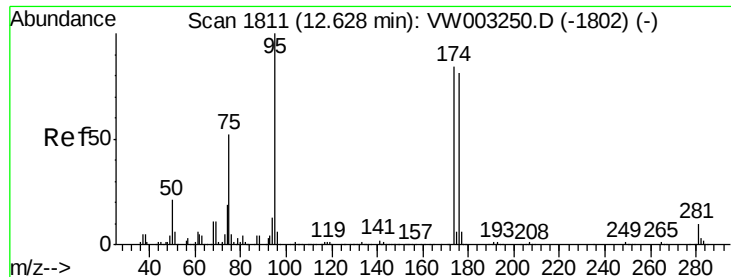
97 100

83 78.2 70.2 105.2

85 49.5 45.6 68.4

99 59.9 51.2 76.8





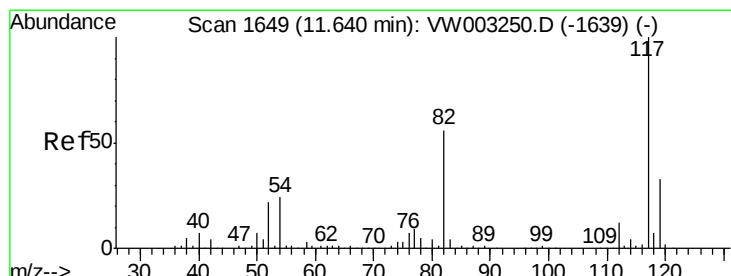
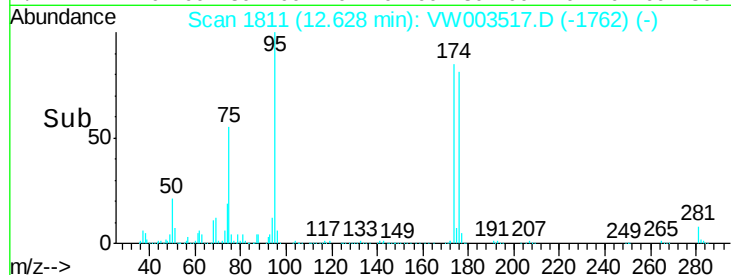
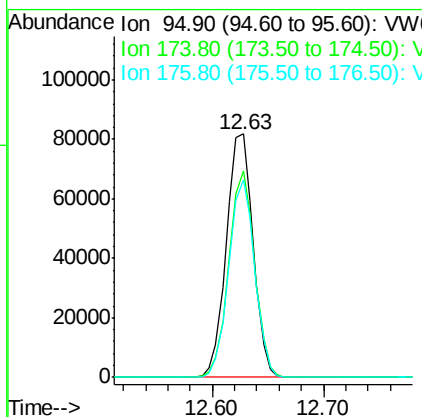
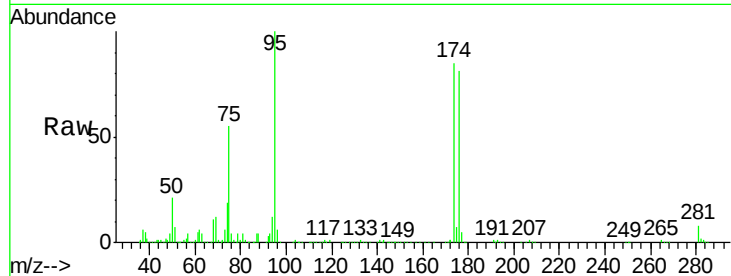
#62
4-Bromofluorobenzene
Concen: 53.51 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-27-29-180620

Tot Ion	Ratio	Resp	Lower	Upper
95	100	135995		
174	81.7	0.0	166.4	
176	78.9	0.0	162.0	

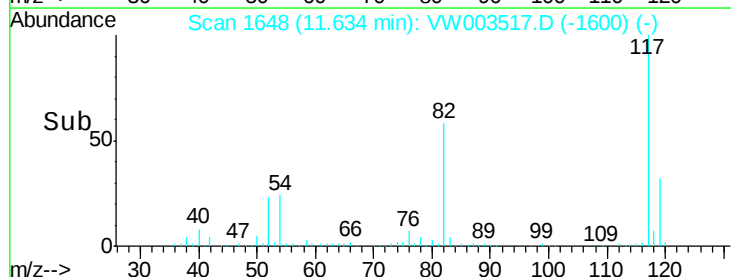
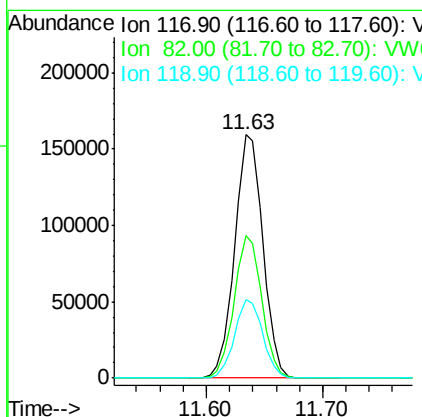
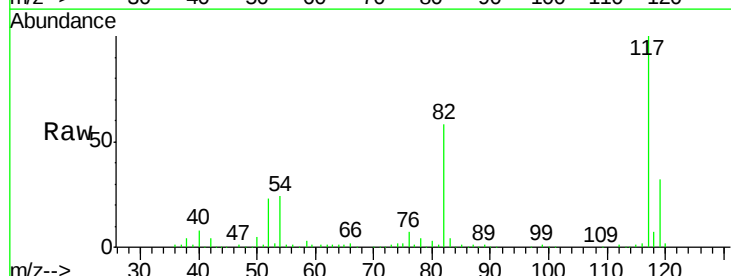
Manual Integrations
APPROVED

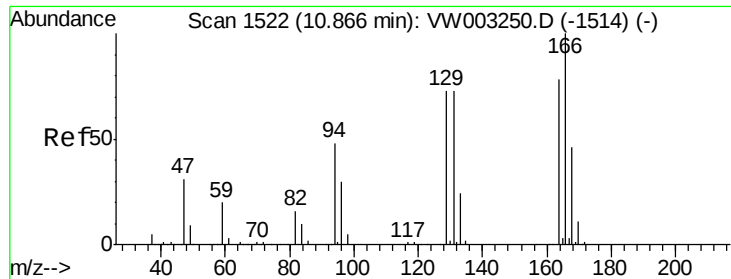
apatel
6/26/2018 3:03:52 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	269034		
82	58.4	44.6	67.0	
119	32.3	26.7	40.1	





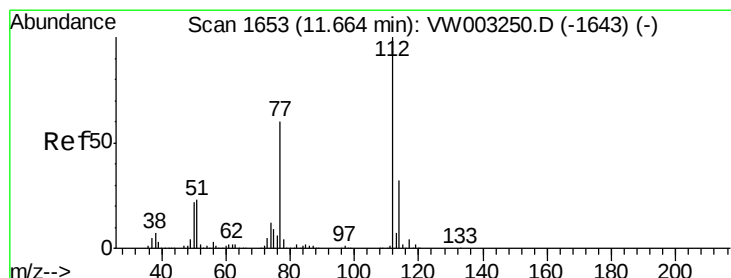
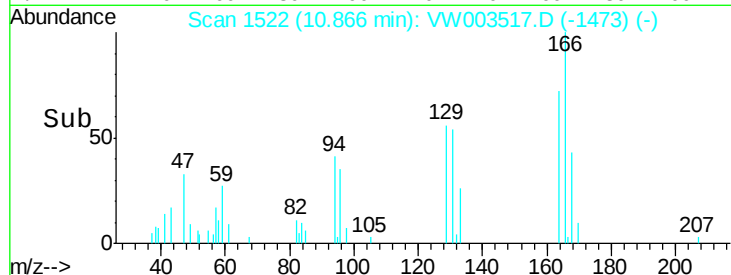
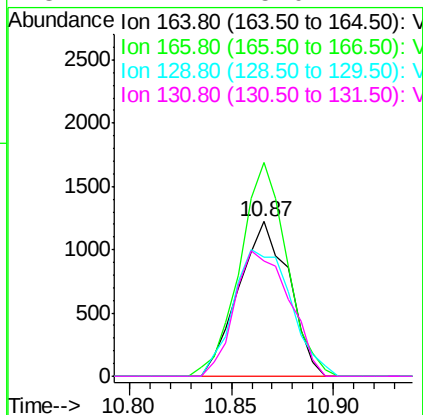
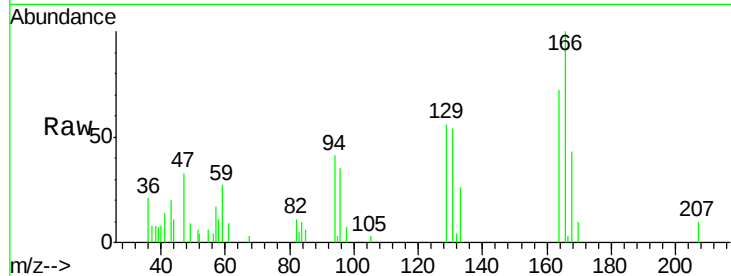
#64
Tetrachloroethene
Concen: 1.17 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-27-29-180620

Tot Ion	Ratio	Lower	Upper
164	100		
166	138.2	102.6	154.0
129	77.2	75.2	112.8
131	74.2	75.0	112.4#

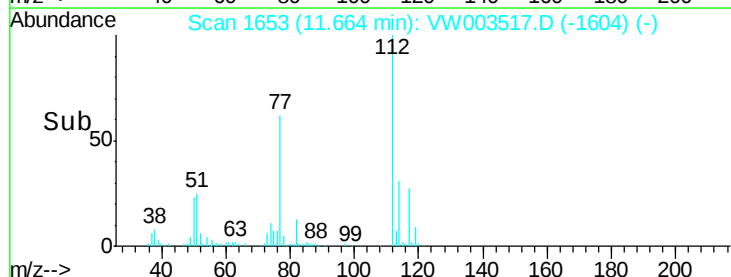
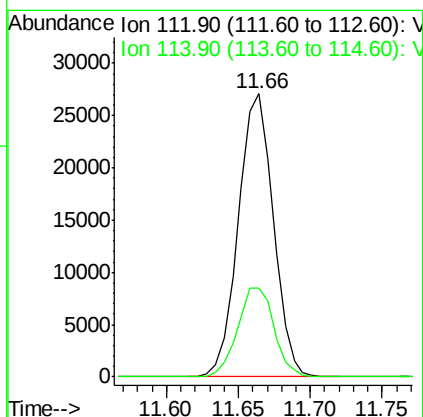
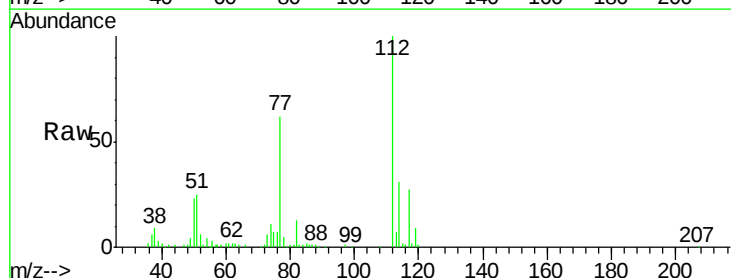
Manual Integrations
APPROVED

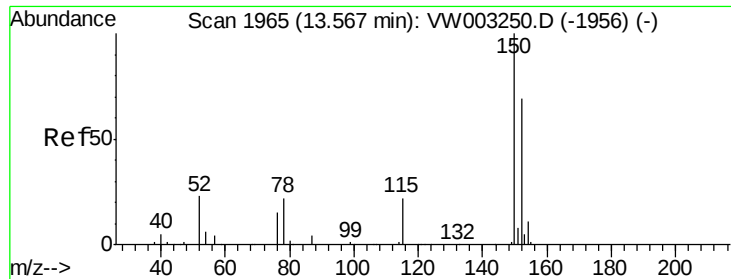
apatel
6/26/2018 3:03:52 PM



#65
Chlorobenzene
Concen: 8.16 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.9	38.9





#72

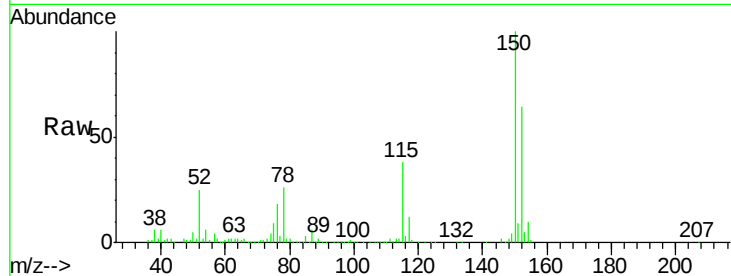
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-27-29-180620

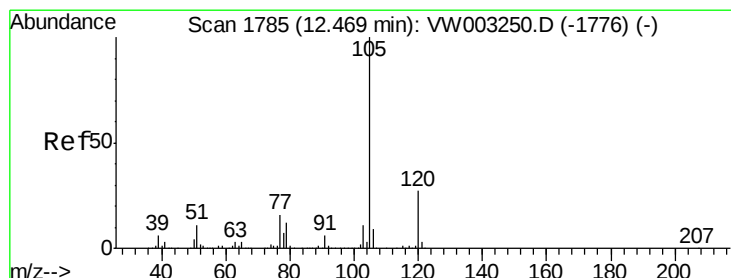
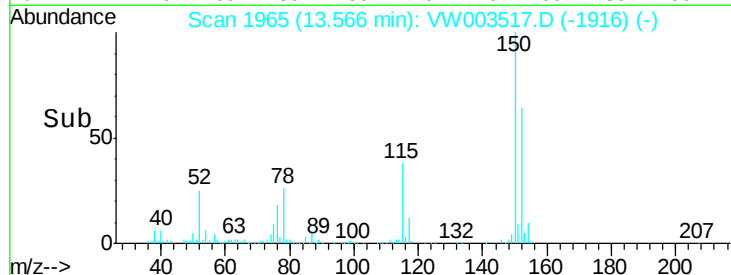
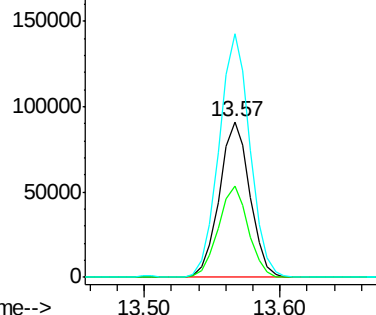
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	88.0
150	158.5	0.0	349.6

Manual Integrations
APPROVED

apatel
6/26/2018 3:03:52 PM



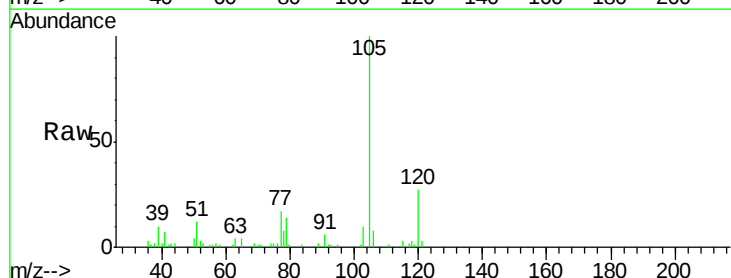
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



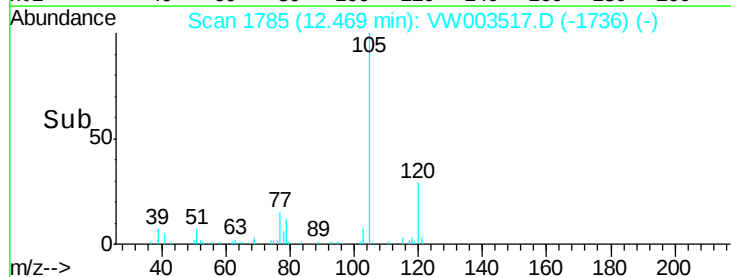
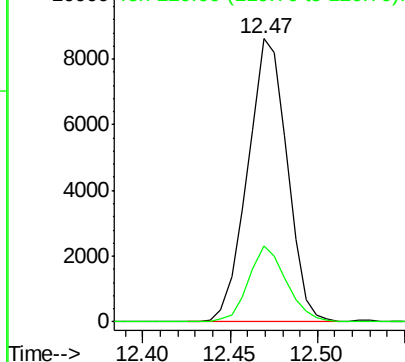
#73

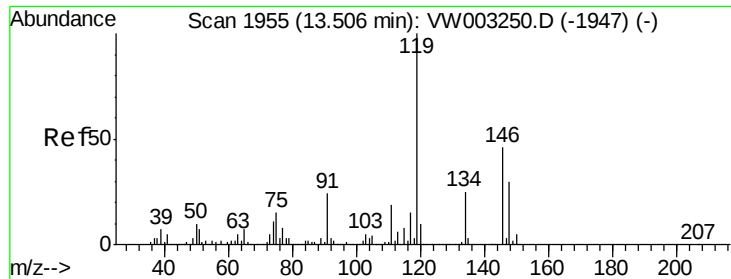
Isopropylbenzene
Concen: 1.36 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003517.D
Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.6



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





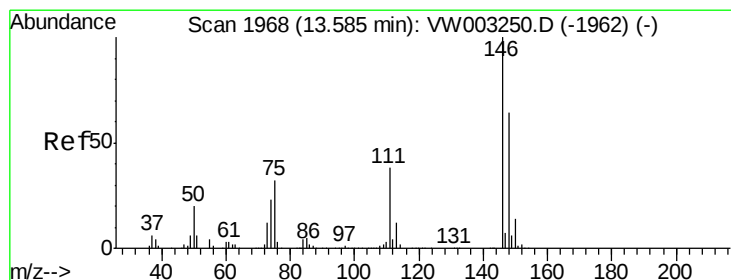
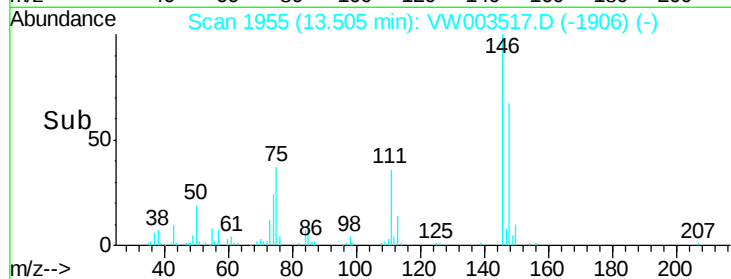
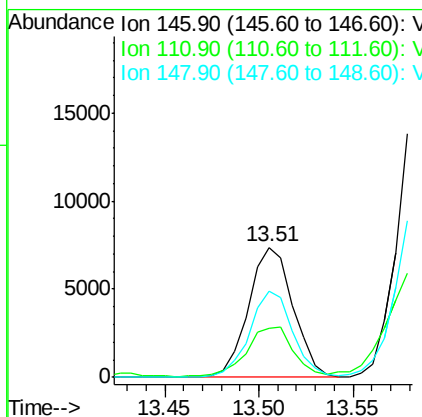
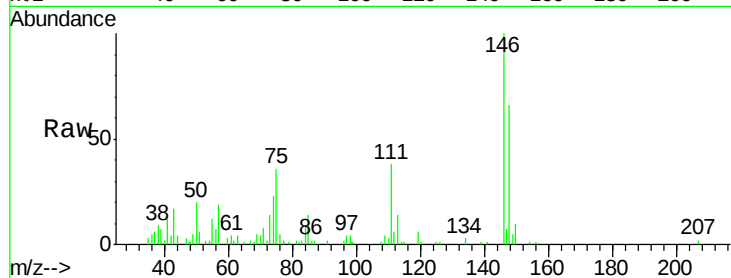
#87
 1,3-Dichlorobenzene
 Concen: 2.53 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003517.D
 Acq: 24 Jun 2018 18:06

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-27-29-180620

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.8	59.4
148	64.7	32.1	96.5

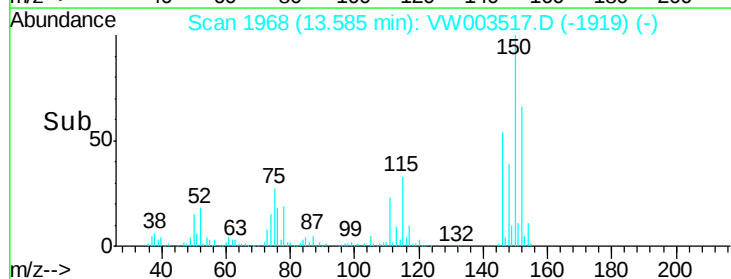
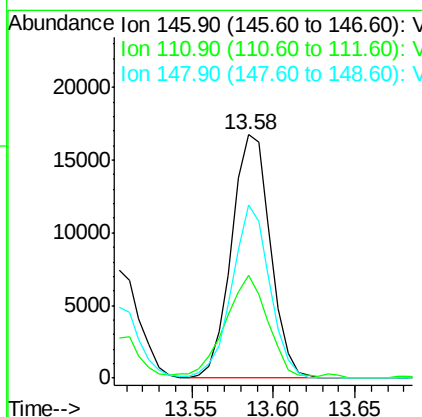
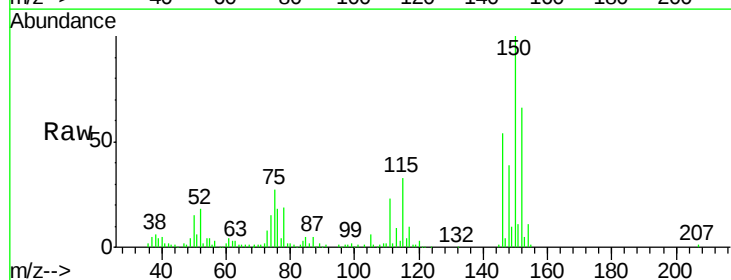
Manual Integrations
 APPROVED

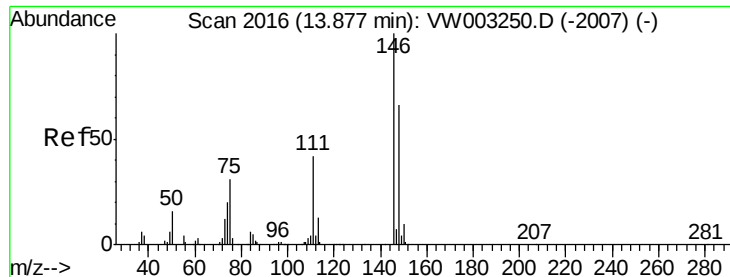
apatel
 6/26/2018 3:03:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.86 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003517.D
 Acq: 24 Jun 2018 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	19.2	57.6
148	69.1	31.8	95.4





#91

1,2-Dichlorobenzene

Concen: 19.15 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003517.D

Acq: 24 Jun 2018 18:06

Instrument :

MSVOA_W

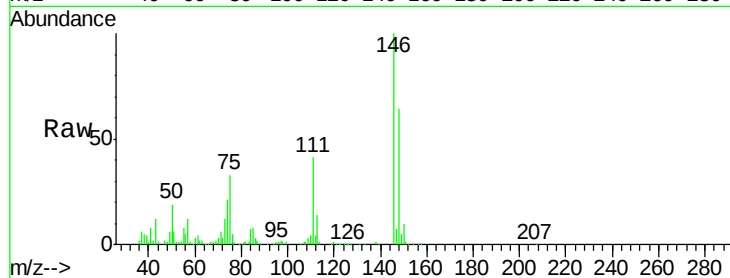
ClientSampleId :

WP021SB475-27-29-180620

Tot Ion:	146	Resp:	80048
Ion Ratio		Lower	Upper
146	100		
111	42.9	20.3	61.0
148	64.8	32.3	96.9

Manual Integrations
APPROVED

apatel
6/26/2018 3:03:52 PM



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

