

Data File : VW003513.D
Acq On : 24 Jun 2018 16:22
Operator : SY/AP
Sample : J3669-15
Misc : 6.20G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Manual Integrations
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Quant Time: Jul 05 01:56:53 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	200877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	333295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153298	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132358	60.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.66%	
35) Dibromofluoromethane	7.88	113	113678	54.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.78%	
50) Toluene-d8	10.33	98	399321	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.62	95	156524	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.36	62	426018	190.455	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65500	35.200	ug/l	96
12) 1,1-Dichloroethene	4.03	96	1453887	799.532	ug/l	98
16) Acetone	4.15	43	44649	97.843	ug/l	98
20) Methylene Chloride	4.91	84	960875	530.999	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	15788	7.978	ug/l	90
24) 1,1-Dichloroethane	6.21	63	34167	9.079	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	10598947	4875.245	ug/l	92
30) Chloroform	7.68	83	132587	34.581	ug/l	99
40) Benzene	8.33	78	49843	5.618	ug/l	94
42) 1,2-Dichloroethane	8.41	62	31023m	11.160	ug/l	
44) Trichloroethene	9.09	130	44725795m	19024.434	ug/l	
51) 4-Methyl-2-Pentanone	10.22	43	278821	206.661	ug/l	100
52) Toluene	10.40	92	6910490	1214.610	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	60533	37.142	ug/l	99
64) Tetrachloroethene	10.87	164	33026	16.772	ug/l	98
65) Chlorobenzene	11.66	112	30052	4.902	ug/l	100
67) Ethyl Benzene	11.74	91	50399	4.638	ug/l	97
68) m/p-Xylenes	11.84	106	72783	17.619	ug/l	100
69) o-Xylene	12.17	106	33500	8.750	ug/l	96
70) Styrene	12.19	104	45849	7.195	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	21709	2.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	64937	7.053	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	68193	13.368	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	293683	57.910	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	1666448	372.934	ug/l	99
95) Naphthalene	15.38	128	79347	14.912	ug/l	99

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

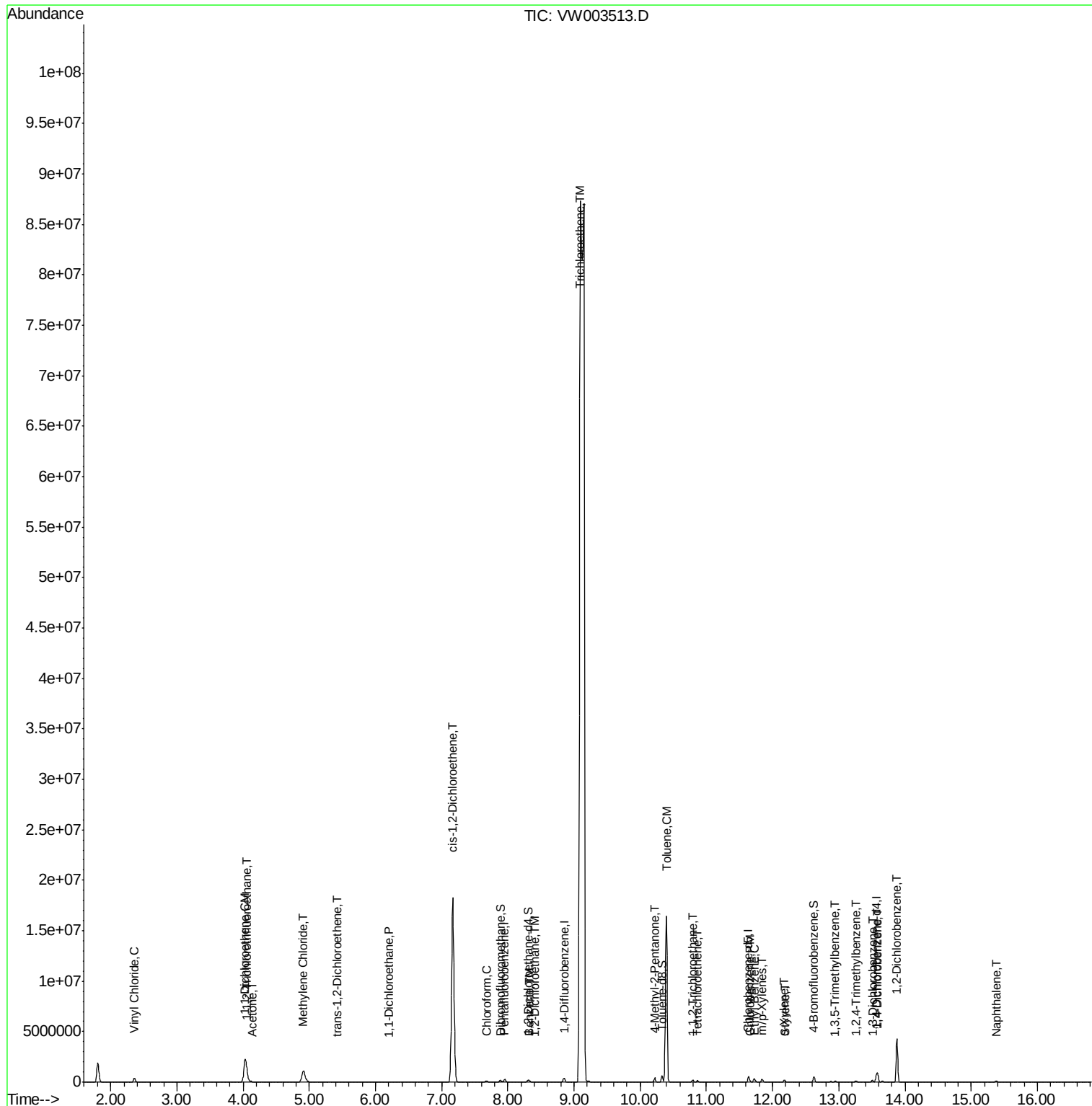
Data File : VW003513.D
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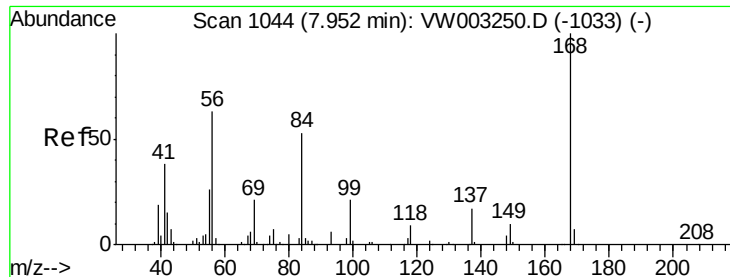
Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

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Quant Time: Jul 05 01:56:53 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion:168 Resp: 200877

Ion Ratio Lower Upper

168 100

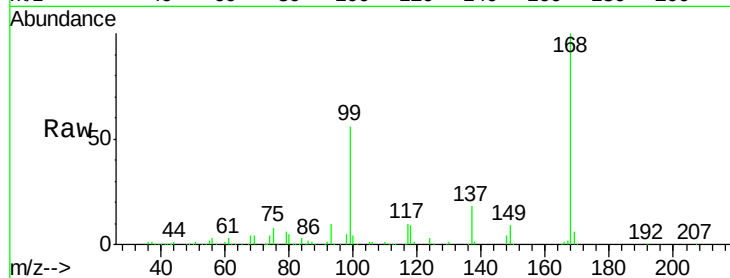
99 56.3 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

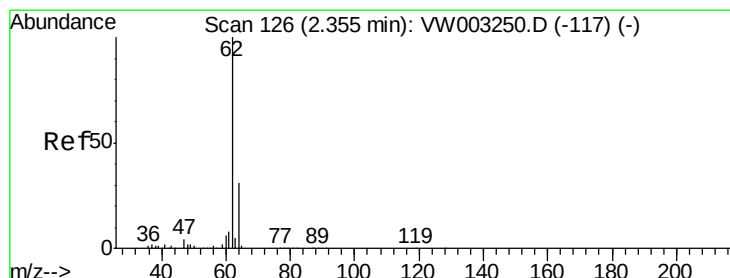
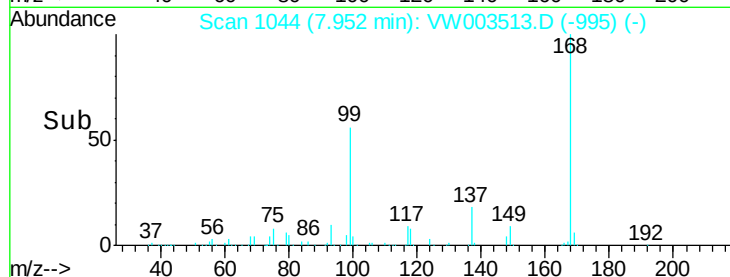
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 190.455 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003513.D

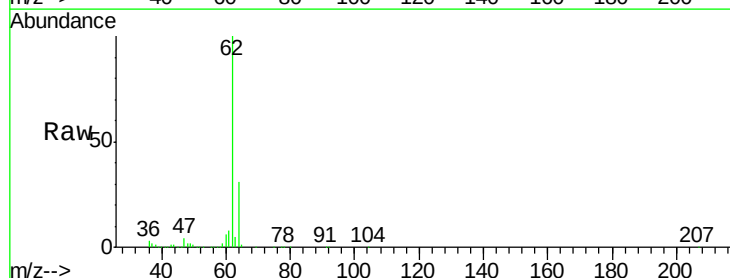
Acq: 24 Jun 2018 16:22

Tgt Ion: 62 Resp: 426018

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

250000

200000

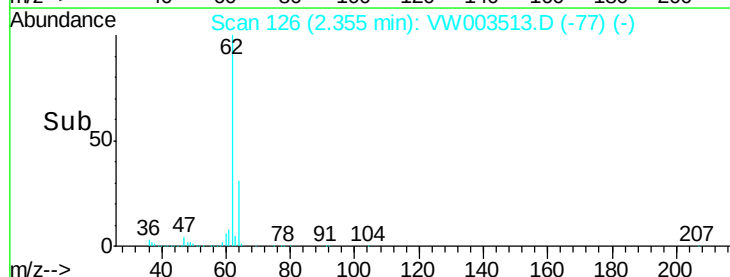
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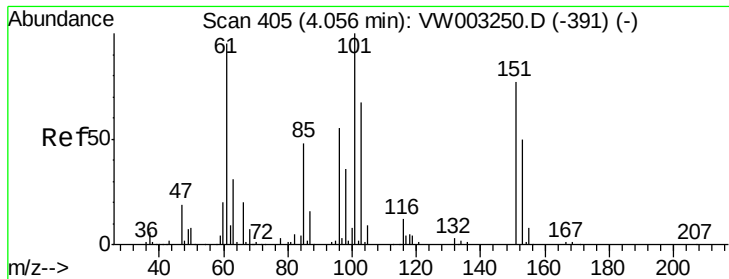
100000

50000

0

Time--> 2.30 2.40 2.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.200 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003513.D

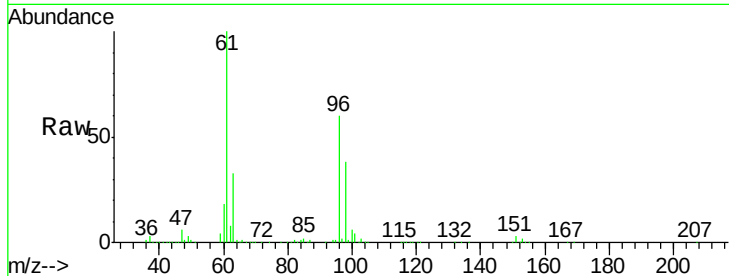
Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

ClientSampleId :

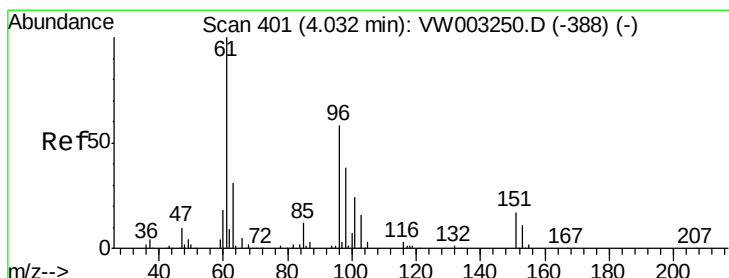
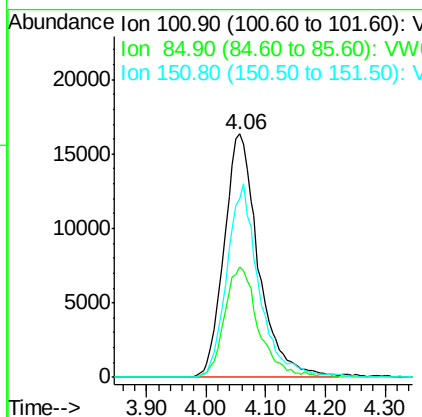
WP021SB483-33-35-180620



Tgt Ion:	101	Resp:	65500
Ion	Ratio	Lower	Upper
101	100		
85	44.9	37.0	55.6
151	74.0	63.3	94.9

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#12

1,1-Dichloroethene

Concen: 799.532 ug/l

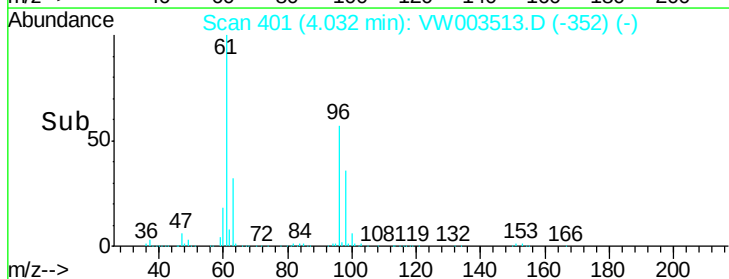
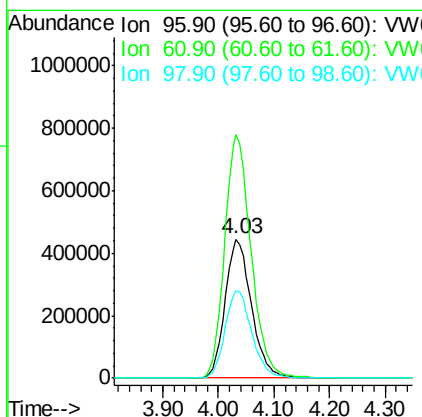
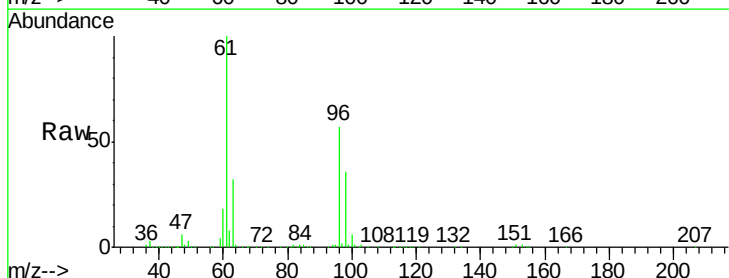
RT: 4.03 min Scan# 401

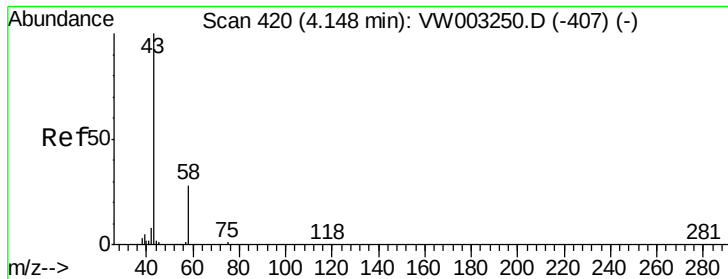
Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Tgt Ion:	96	Resp:	1453887
Ion	Ratio	Lower	Upper
96	100		
61	175.3	139.0	208.4
98	63.2	53.3	79.9





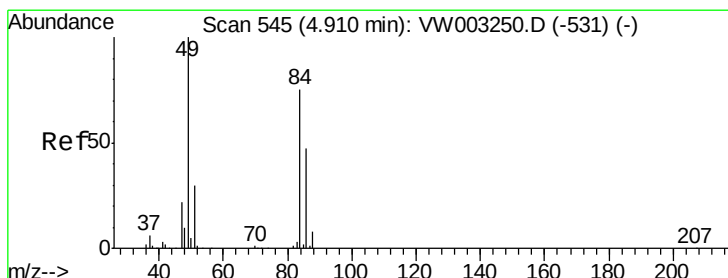
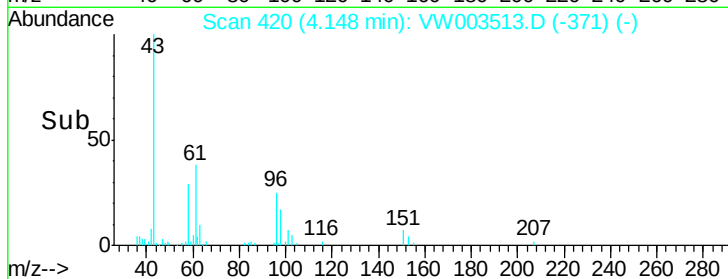
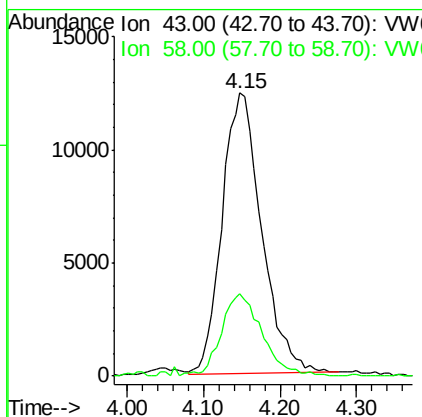
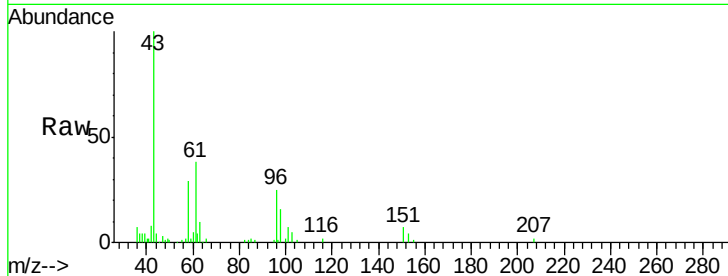
#16
Acetone
Concen: 97.843 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Tgt Ion: 43 Resp: 44649
Ion Ratio Lower Upper
43 100
58 29.3 22.6 34.0

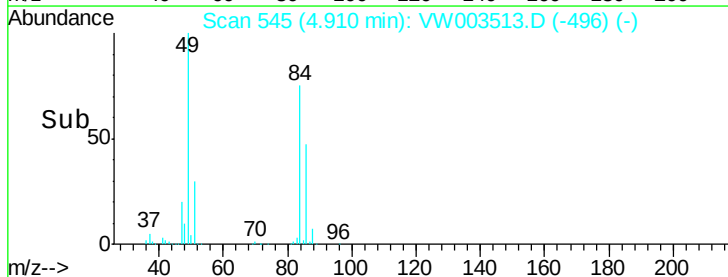
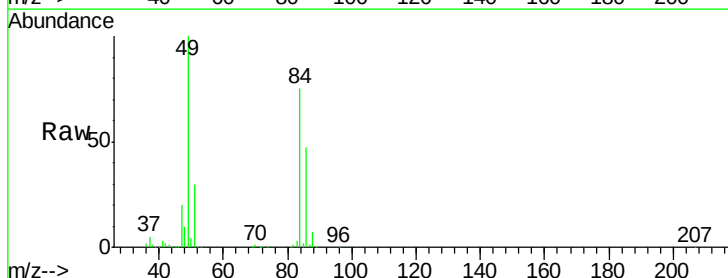
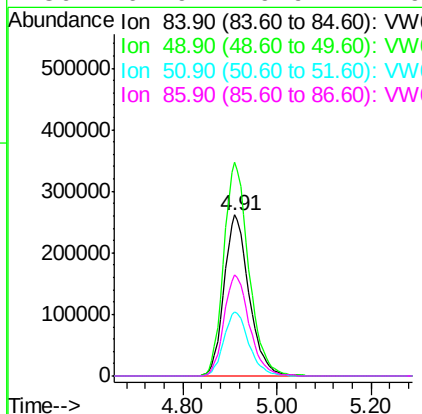
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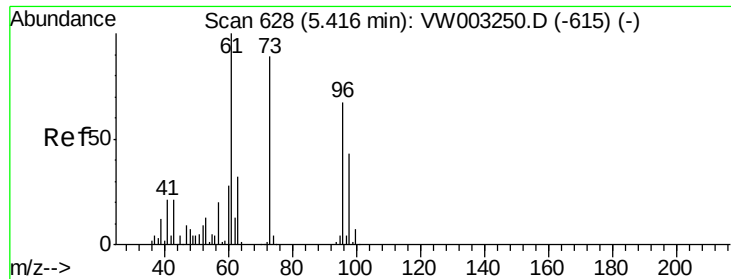
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#20
Methylene Chloride
Concen: 530.999 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Tgt Ion: 84 Resp: 960875
Ion Ratio Lower Upper
84 100
49 132.6 106.3 159.5
51 39.7 32.0 48.0
86 62.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 7.978 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.01 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

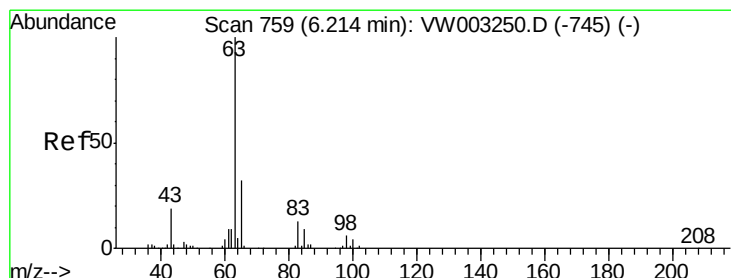
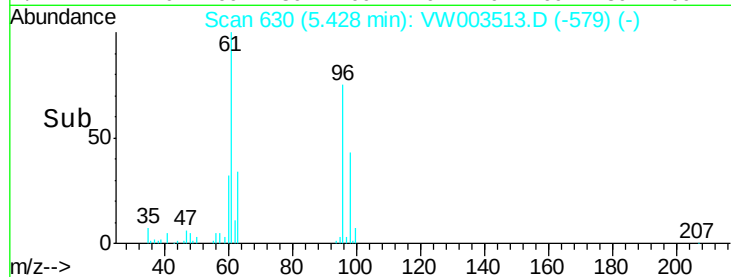
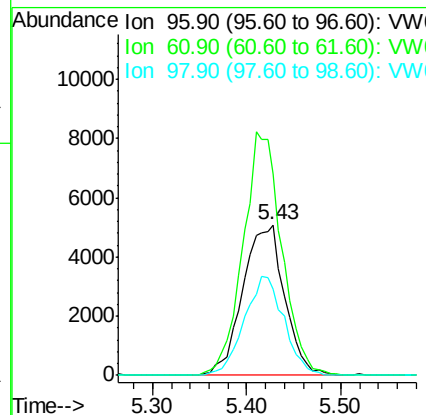
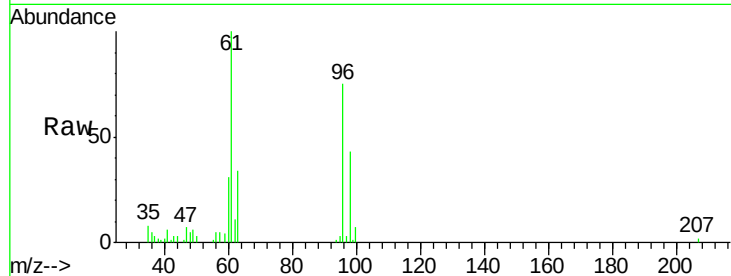
ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion:	96	Resp:	15788
Ion	Ratio	Lower	Upper
96	100		
61	133.8	118.7	178.1
98	57.7	51.0	76.6

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#24

1,1-Dichloroethane

Concen: 9.079 ug/l

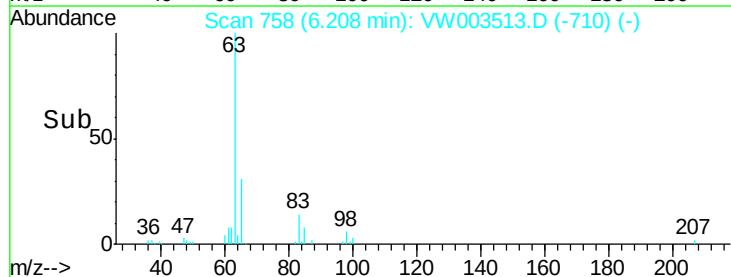
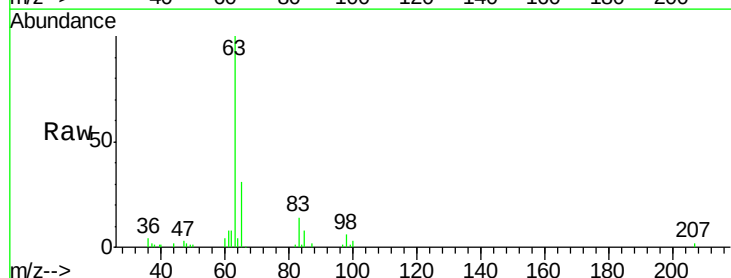
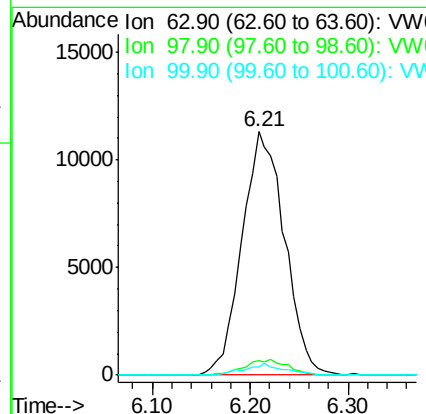
RT: 6.21 min Scan# 758

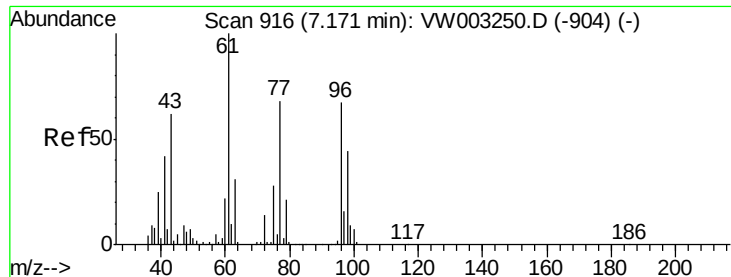
Delta R.T. -0.01 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Tgt Ion:	63	Resp:	34167
Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.8	8.3
100	3.3	2.1	6.5





#27

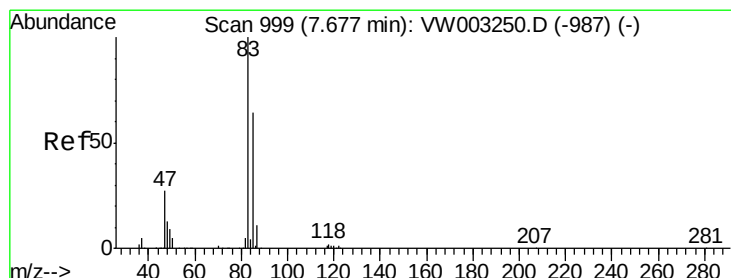
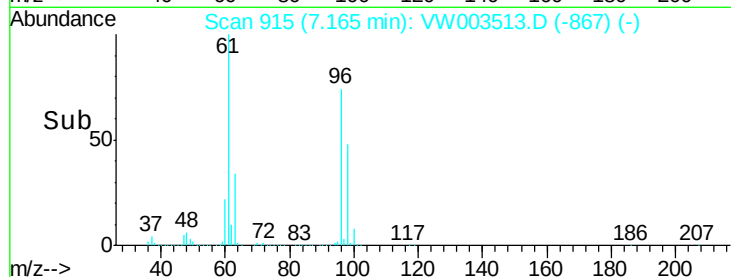
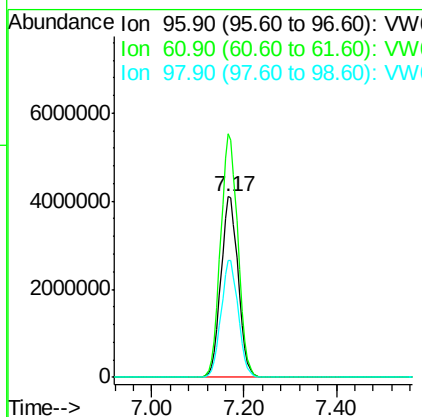
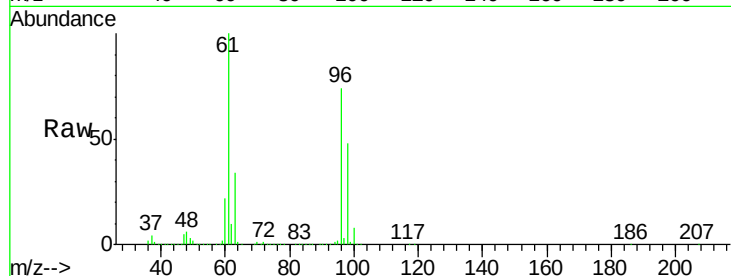
cis-1,2-Dichloroethene
 Concen: 4875.245 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003513.D
 Acq: 24 Jun 2018 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB483-33-35-180620

Tgt Ion: 96 Resp:10598947
 Ion Ratio Lower Upper
 96 100
 61 135.4 0.0 298.8
 98 64.7 0.0 130.4

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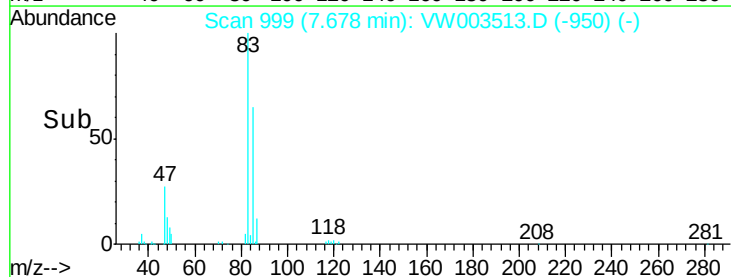
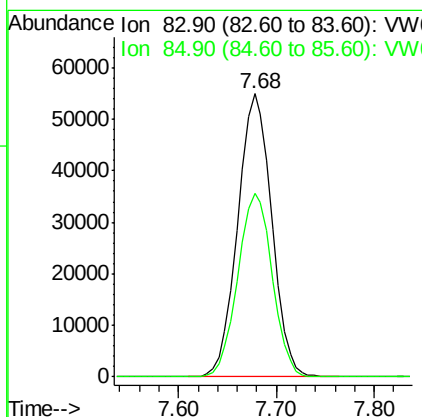
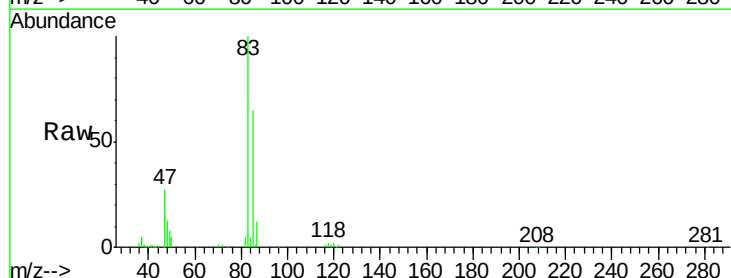
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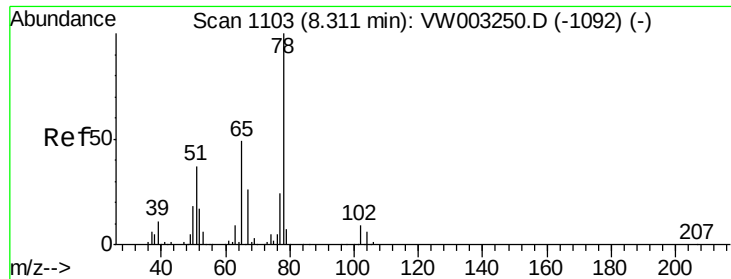


#30

Chloroform
 Concen: 34.581 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW003513.D
 Acq: 24 Jun 2018 16:22

Tgt Ion: 83 Resp: 132587
 Ion Ratio Lower Upper
 83 100
 85 64.6 51.3 76.9





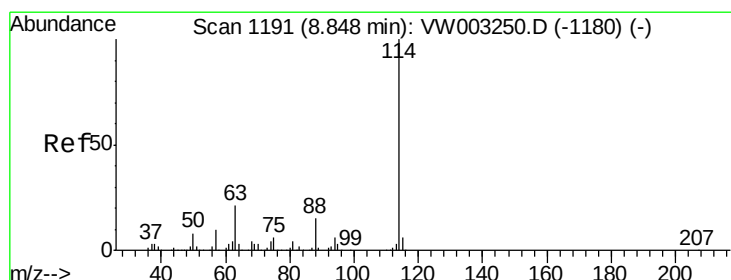
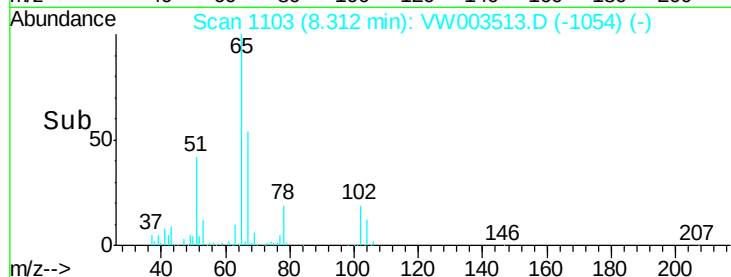
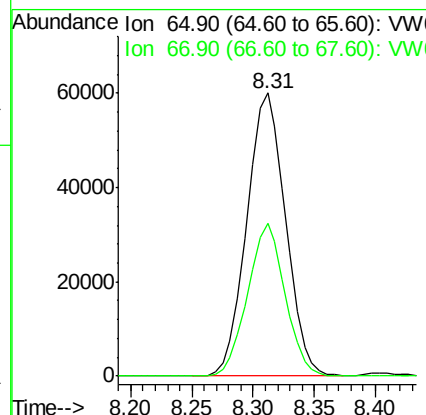
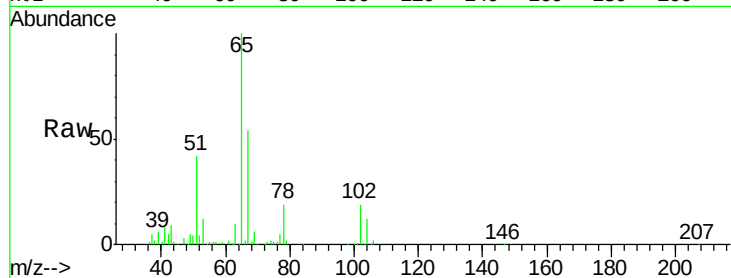
#33
 1,2-Dichloroethane-d4
 Concen: 60.832 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003513.D
 Acq: 24 Jun 2018 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB483-33-35-180620

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	132358		
67	52.1	0.0	104.2	

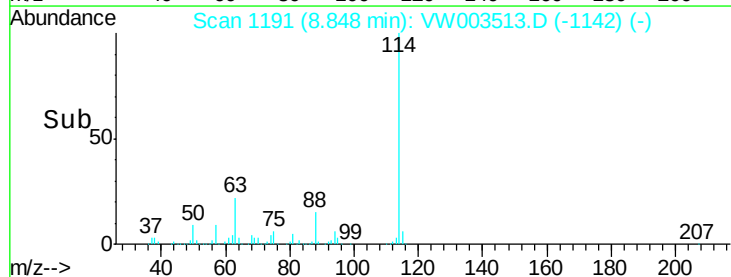
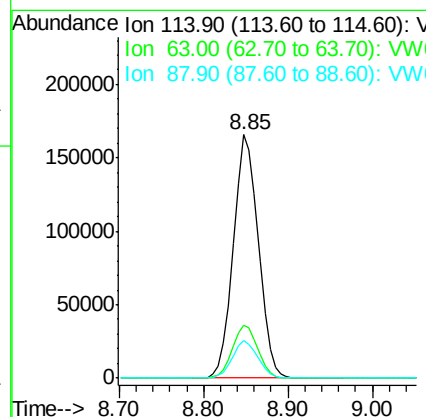
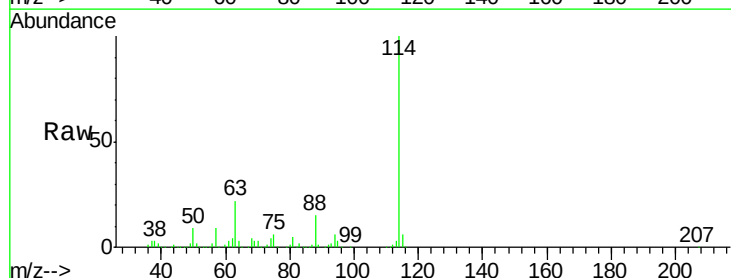
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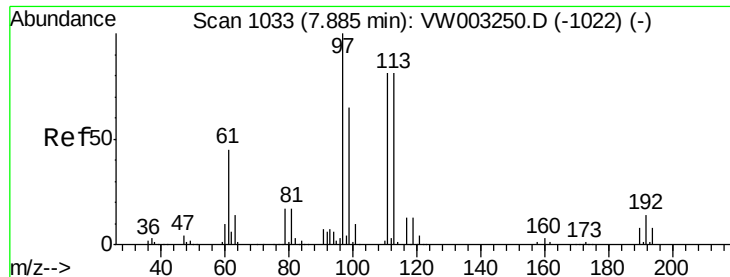
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003513.D
 Acq: 24 Jun 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333295		
63	21.6	0.0	43.0	
88	15.4	0.0	29.6	





#35

Dibromofluoromethane

Concen: 54.890 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

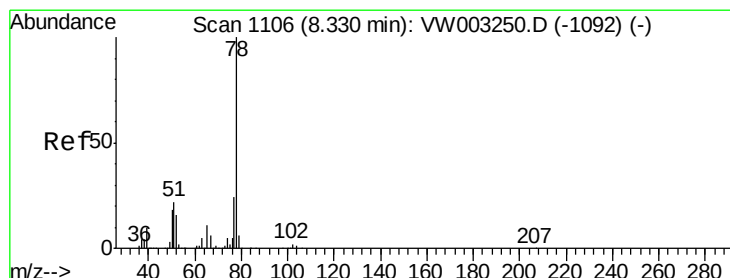
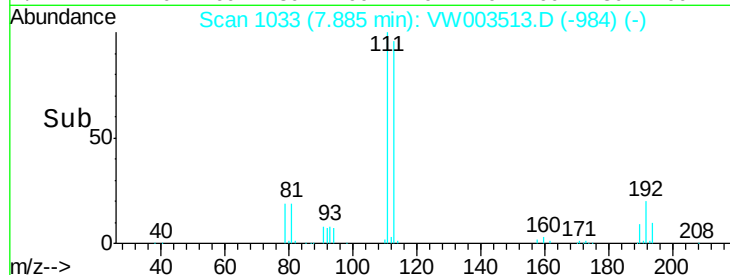
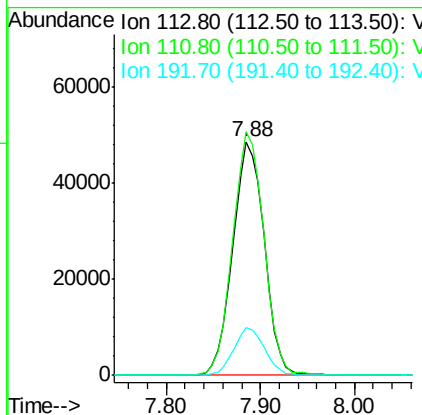
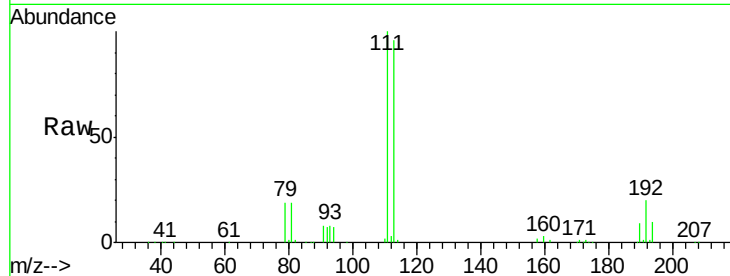
ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion:	113	Resp:	113678
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.2
192	19.9	16.2	24.2

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#40

Benzene

Concen: 5.618 ug/l

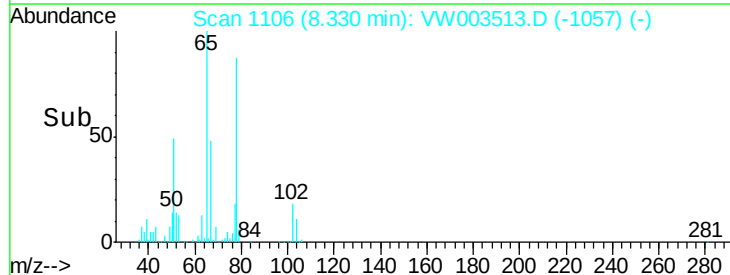
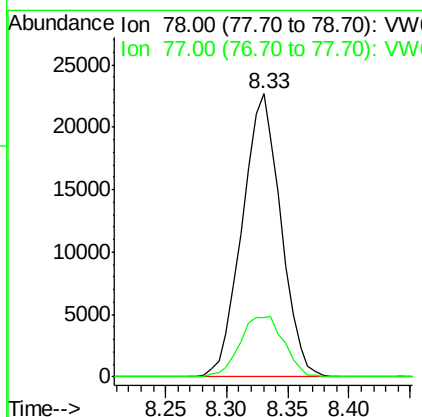
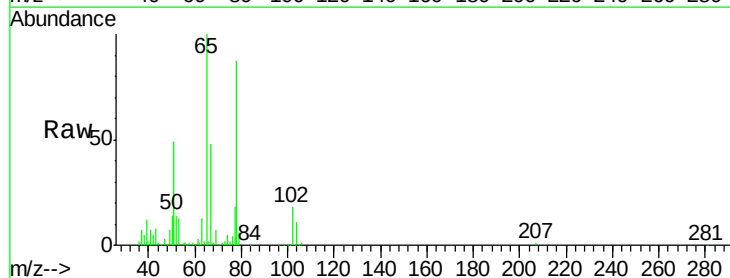
RT: 8.33 min Scan# 1106

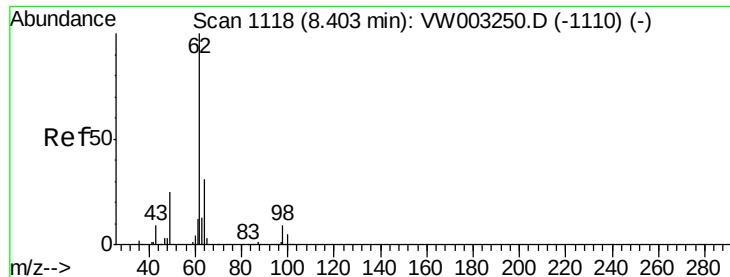
Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Tgt Ion:	78	Resp:	49843
Ion Ratio	Lower	Upper	
78	100		
77	21.0	19.0	28.6





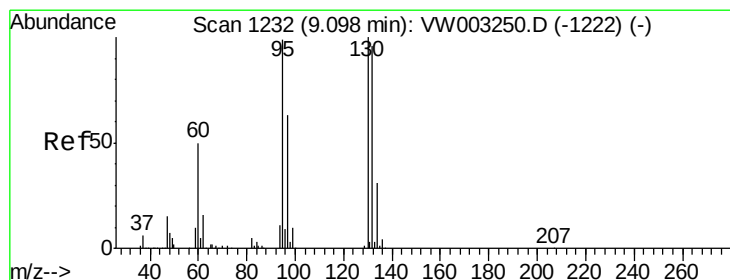
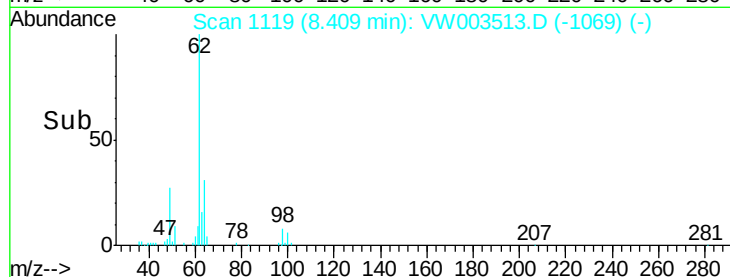
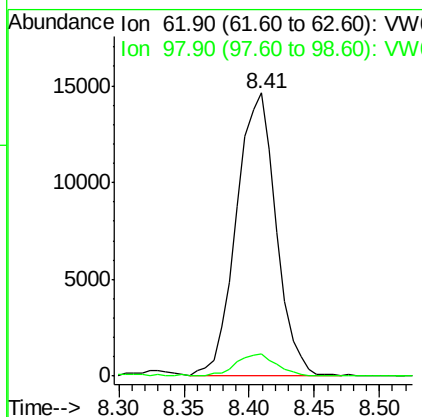
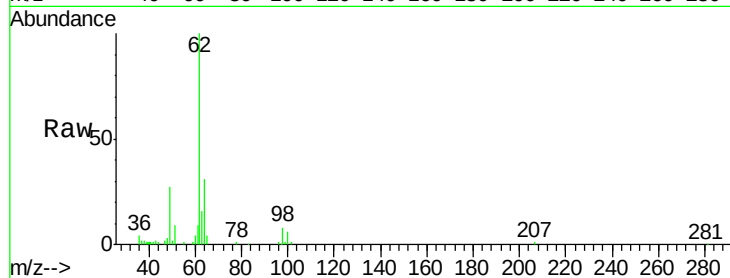
#42
1,2-Dichloroethane
Concen: 11.160 ug/l m
RT: 8.41 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.2

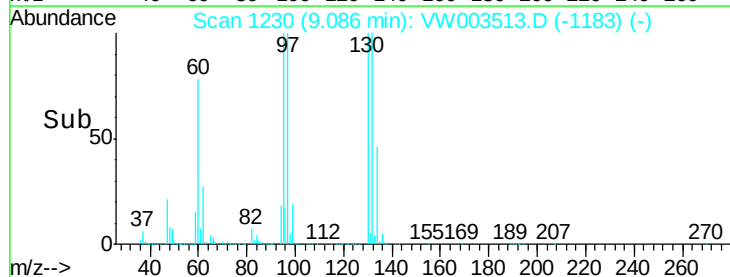
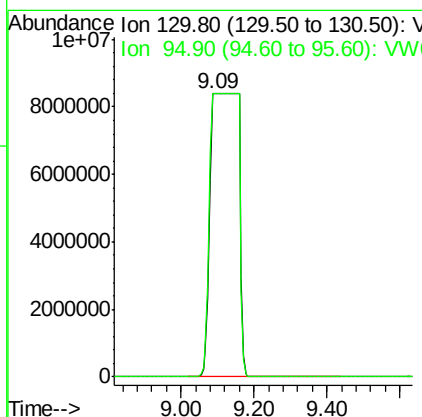
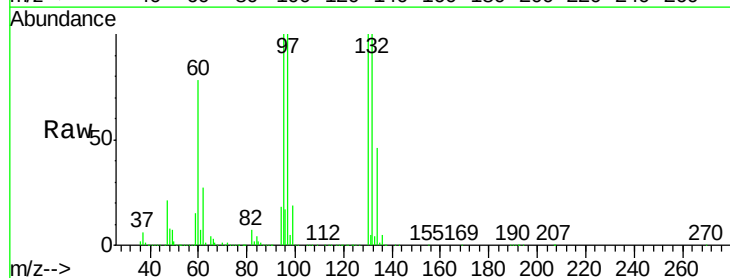
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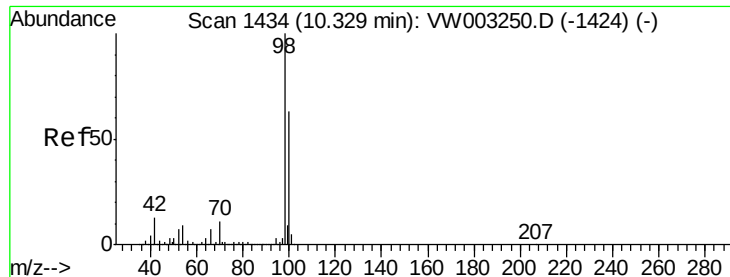
apatel
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#44
Trichloroethene
Concen: 19024.434 ug/l m
RT: 9.09 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	198.0





#50

Toluene-d8

Concen: 48.627 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion: 98 Resp: 399321

Ion Ratio Lower Upper

98 100

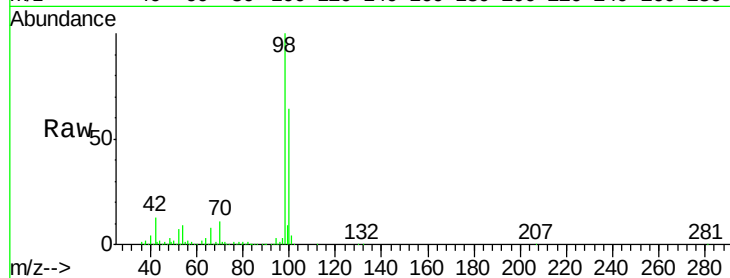
100 64.1 50.8 76.2

Manual Integrations

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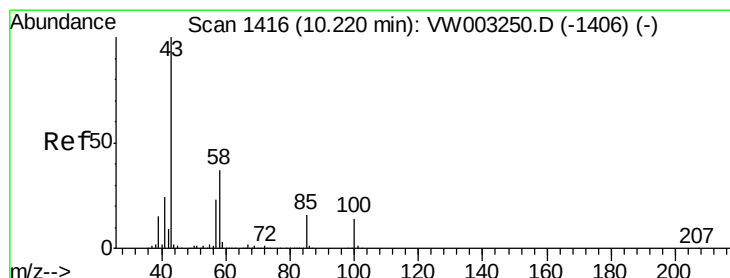
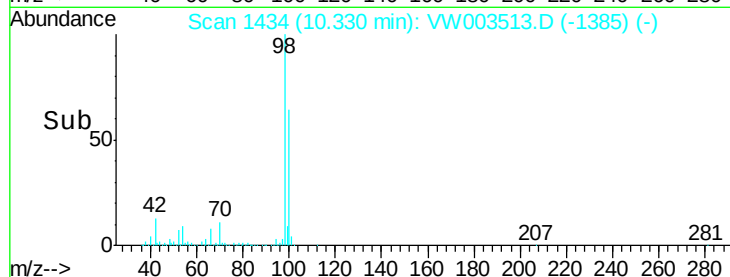
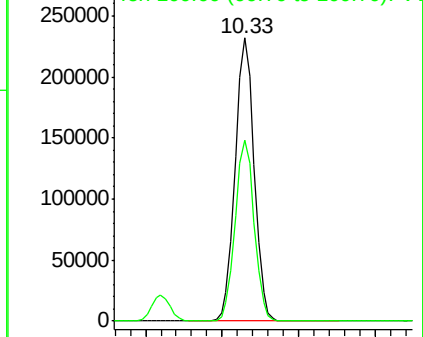
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Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 206.661 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003513.D

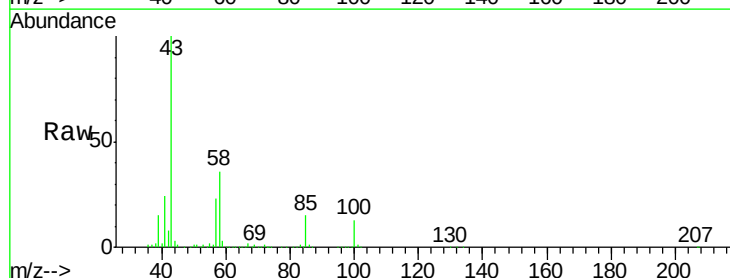
Acq: 24 Jun 2018 16:22

Tgt Ion: 43 Resp: 278821

Ion Ratio Lower Upper

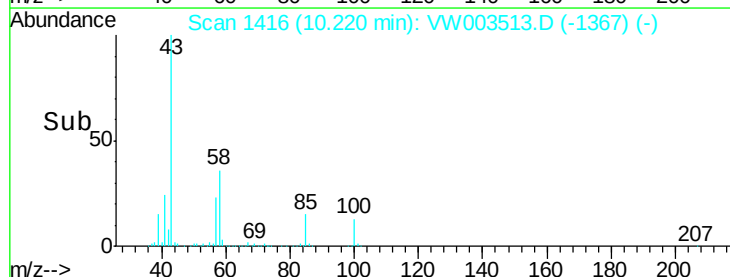
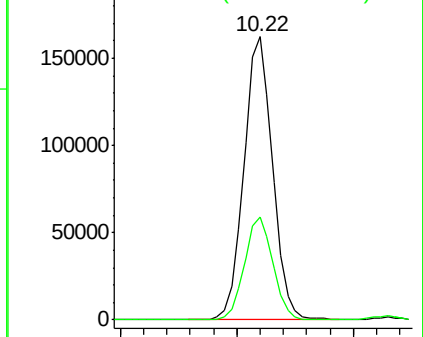
43 100

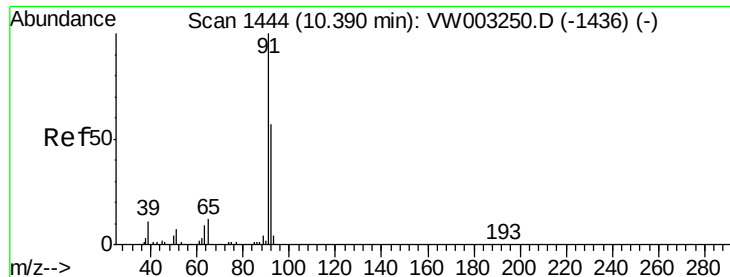
58 36.2 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 1214.610 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion: 92 Resp: 6910490

Ion Ratio Lower Upper

92 100

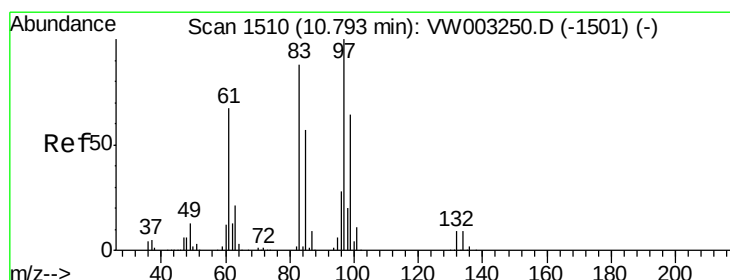
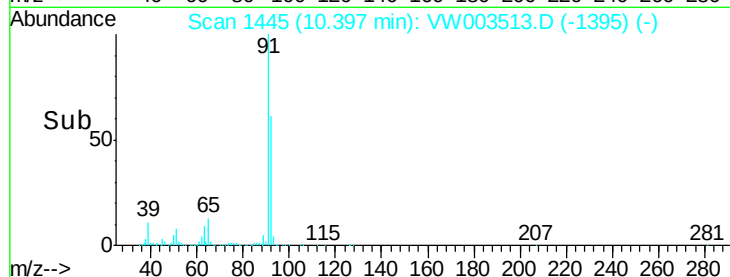
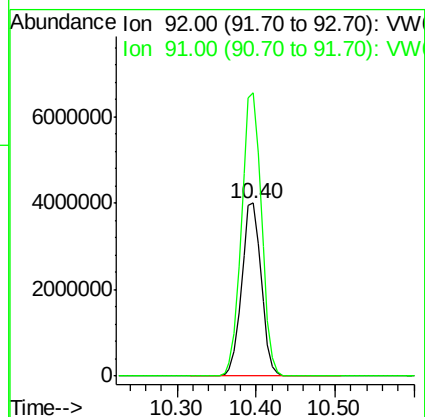
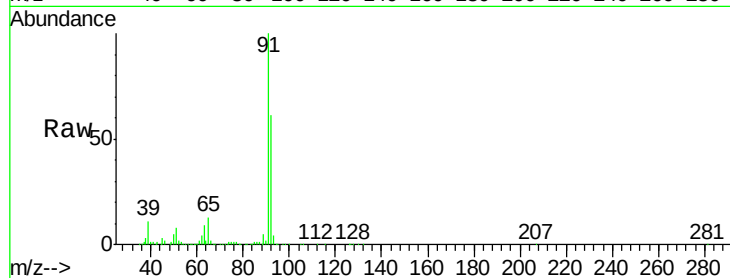
91 167.1 141.1 211.7

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#55

1,1,2-Trichloroethane

Concen: 37.142 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Tgt Ion: 97 Resp: 60533

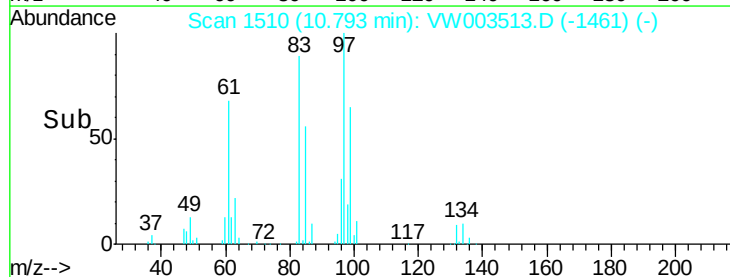
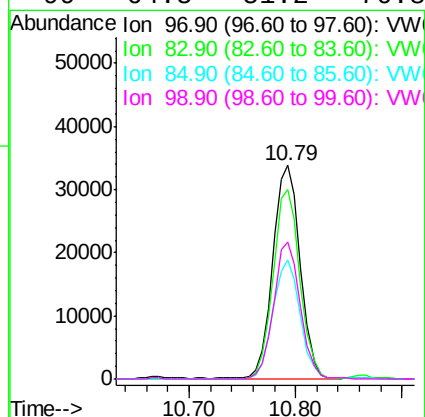
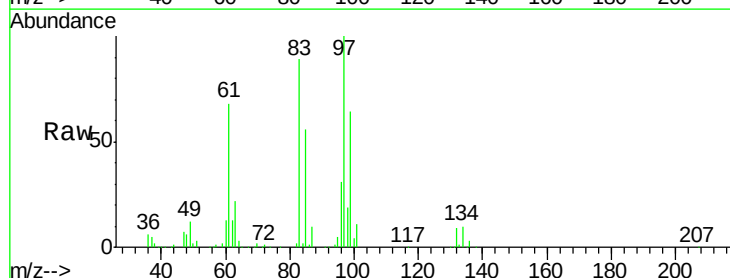
Ion Ratio Lower Upper

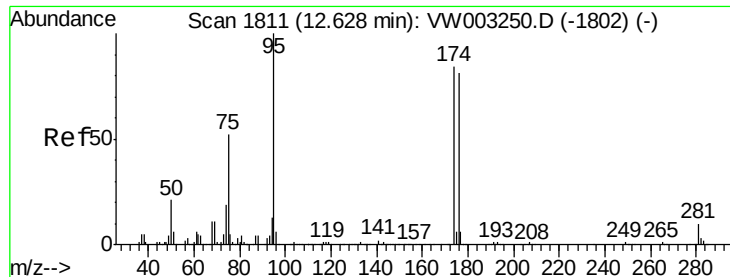
97 100

83 88.7 70.2 105.2

85 55.8 45.6 68.4

99 64.5 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 53.860 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

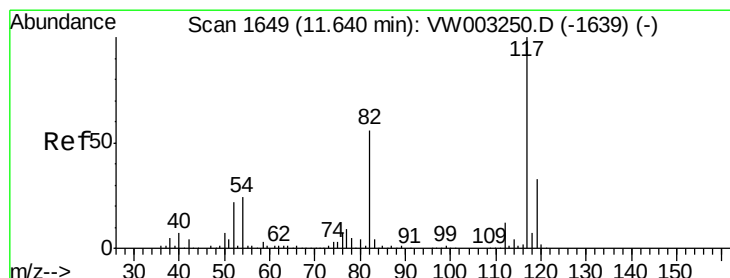
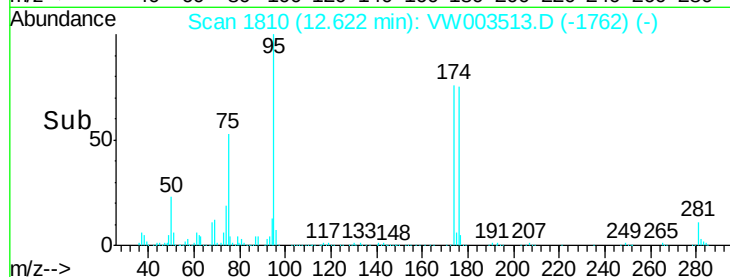
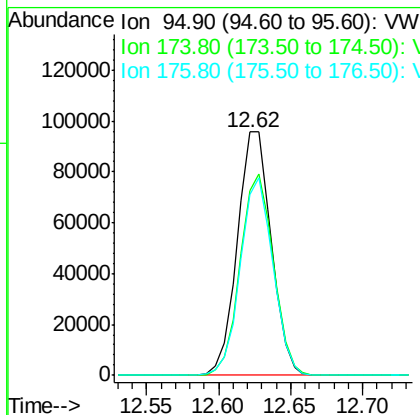
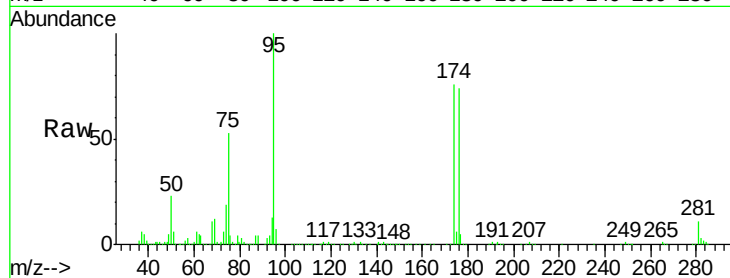
ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion:	95	Resp:	156524
Ion Ratio	Lower	Upper	
95	100		
174	80.7	0.0	166.4
176	77.9	0.0	162.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

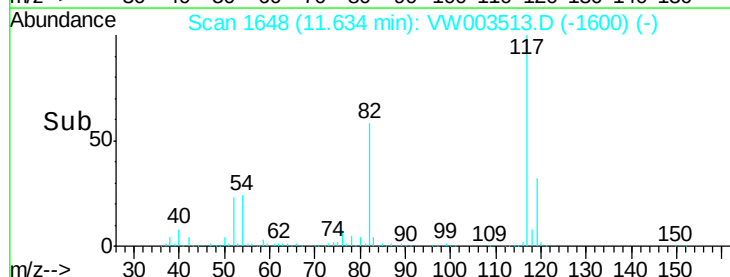
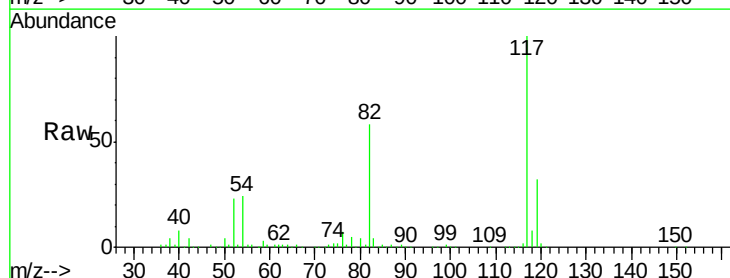
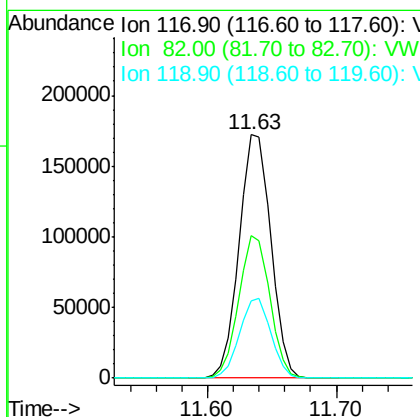
RT: 11.63 min Scan# 1648

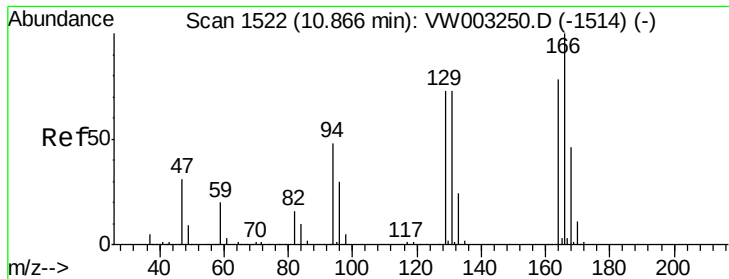
Delta R.T. -0.01 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Tgt Ion:	117	Resp:	294393
Ion Ratio	Lower	Upper	
117	100		
82	58.4	44.6	67.0
119	31.8	26.7	40.1





#64

Tetrachloroethene

Concen: 16.772 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003513.D

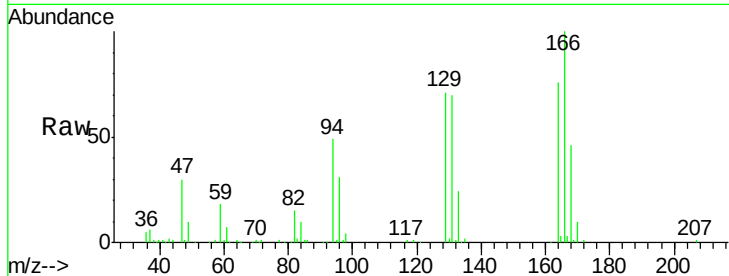
Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

ClientSampleId :

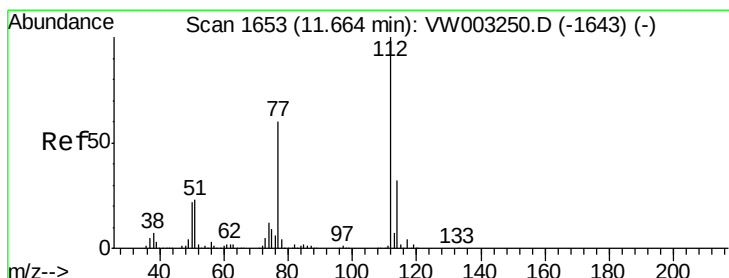
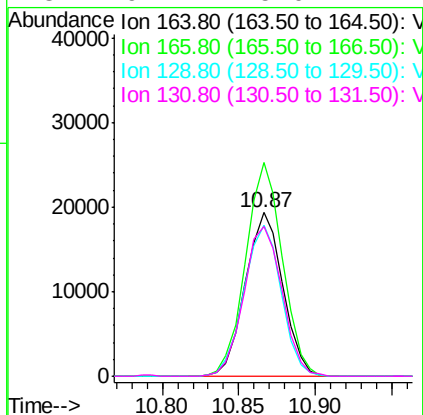
WP021SB483-33-35-180620



Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	102.6	154.0
129	92.6	75.2	112.8
131	91.4	75.0	112.4

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#65

Chlorobenzene

Concen: 4.902 ug/l

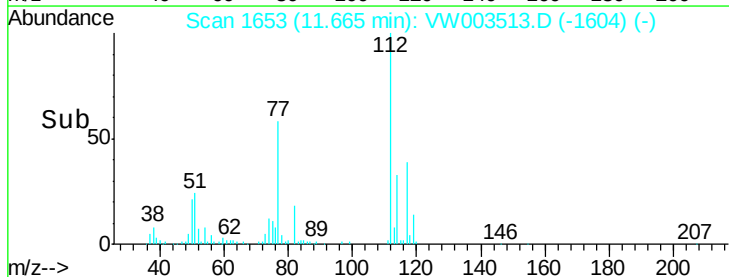
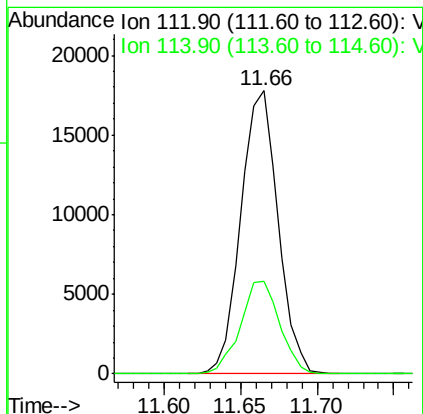
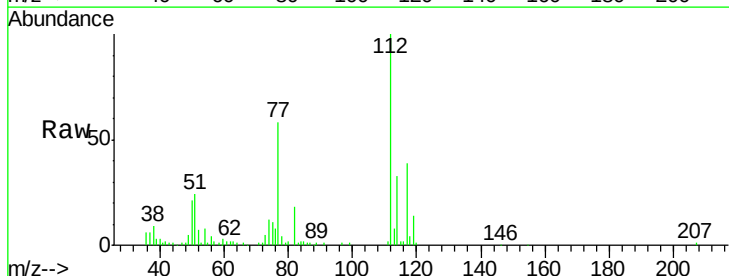
RT: 11.66 min Scan# 1653

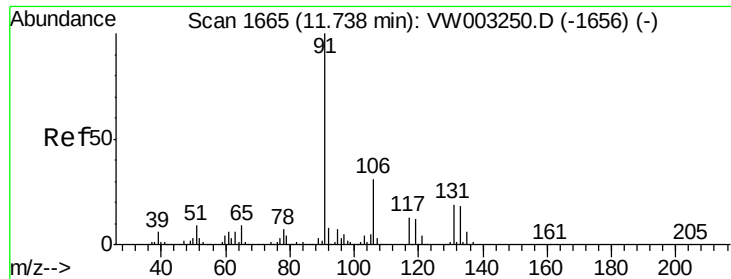
Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.9	38.9





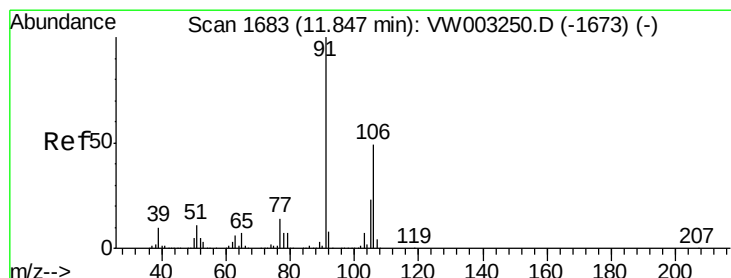
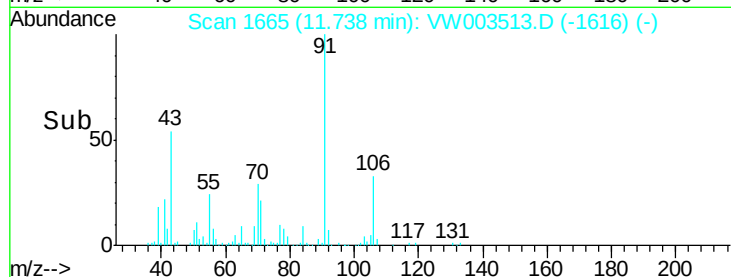
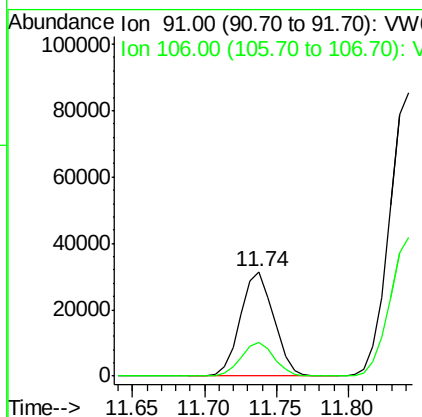
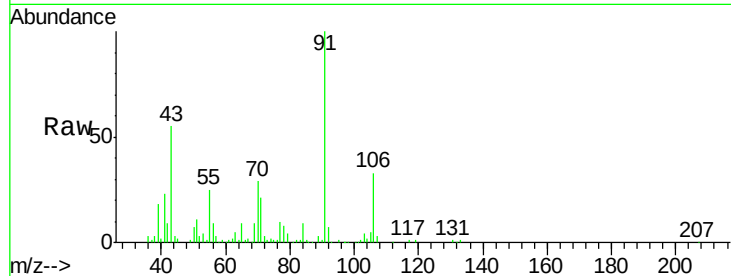
#67
Ethyl Benzene
Concen: 4.638 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Tgt Ion: 91 Resp: 50399
Ion Ratio Lower Upper
91 100
106 32.8 24.7 37.1

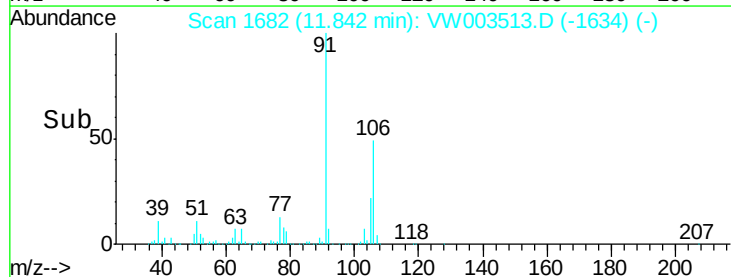
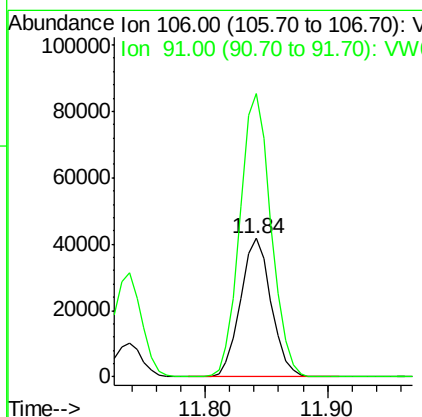
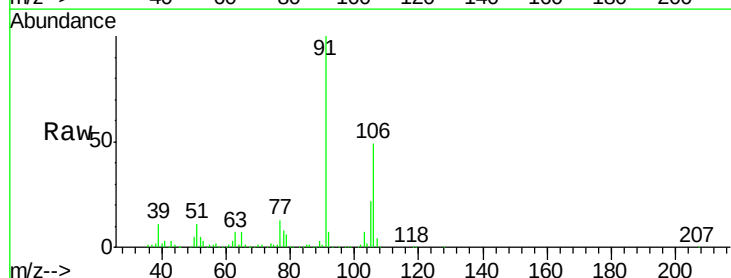
Manual Integrations
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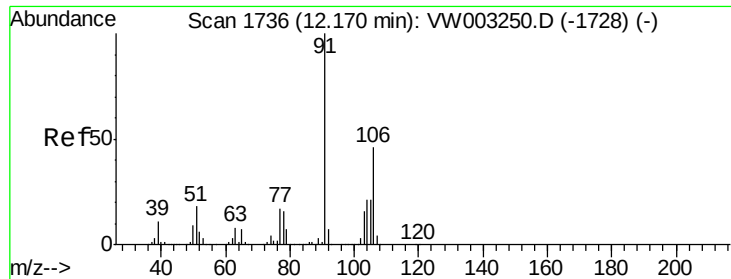
apatel
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#68
m/p-Xylenes
Concen: 17.619 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Tgt Ion: 106 Resp: 72783
Ion Ratio Lower Upper
106 100
91 207.0 165.4 248.0





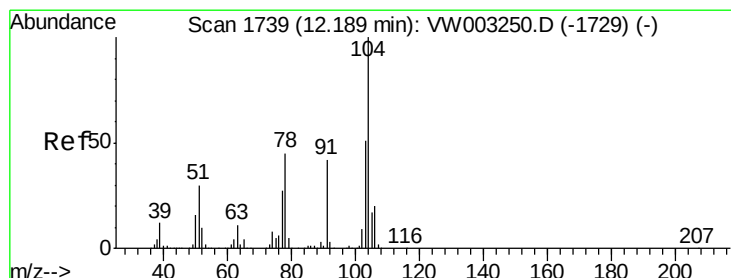
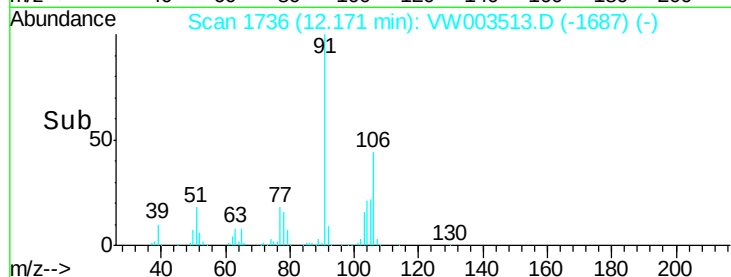
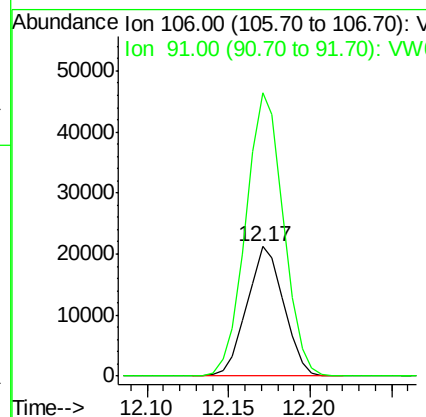
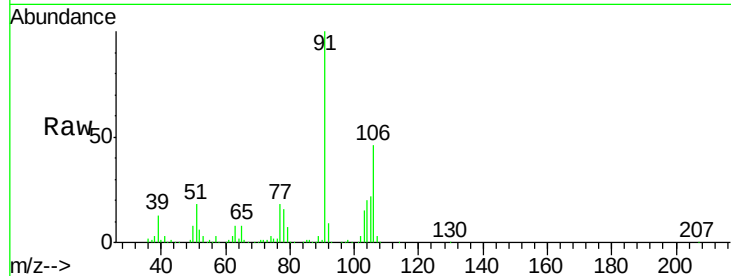
#69
o-Xylene
Concen: 8.750 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Tgt Ion:106 Resp: 33500
Ion Ratio Lower Upper
106 100
91 223.4 108.6 325.6

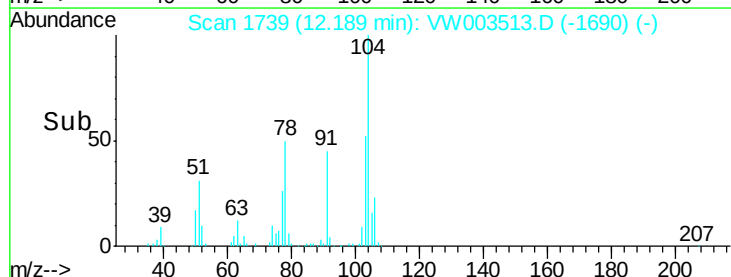
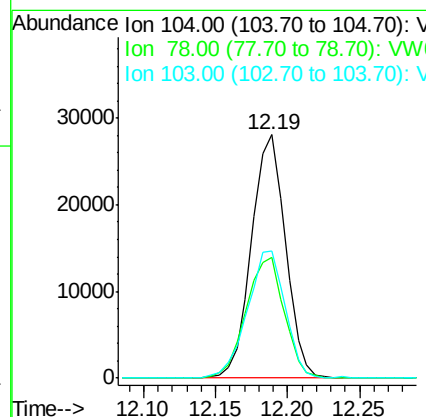
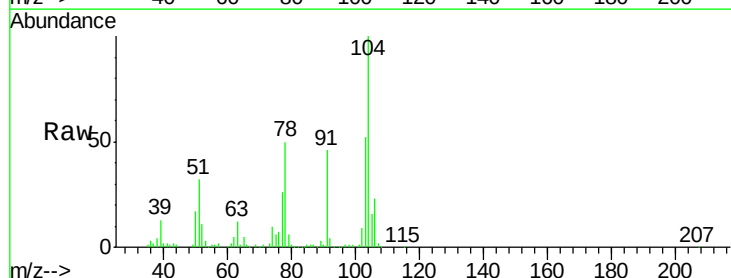
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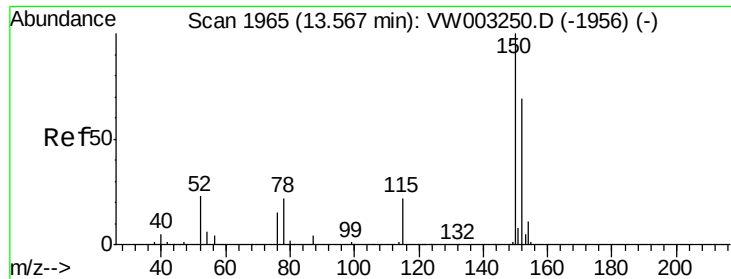
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#70
Styrene
Concen: 7.195 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Tgt Ion:104 Resp: 45849
Ion Ratio Lower Upper
104 100
78 56.0 41.3 61.9
103 58.2 45.0 67.4





#72

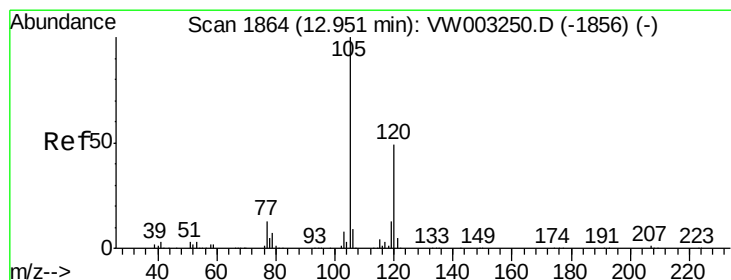
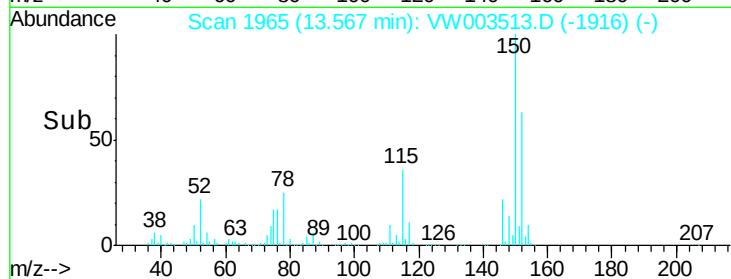
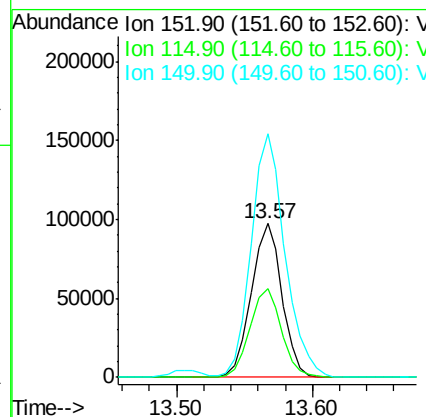
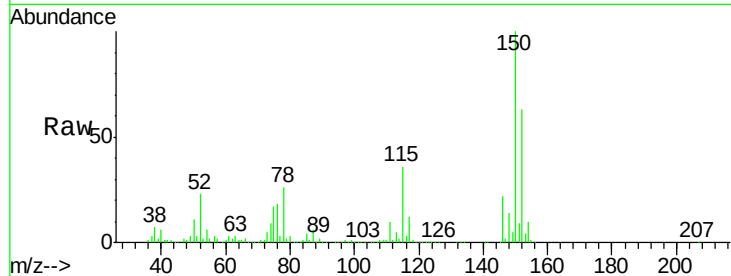
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.3	88.0
150	175.5	0.0	349.6

Manual Integrations
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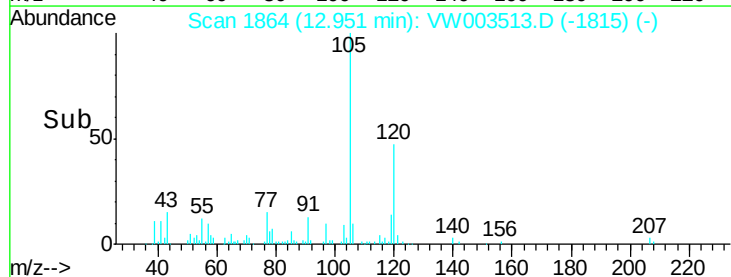
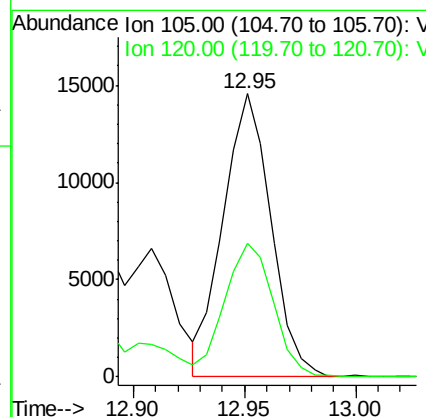
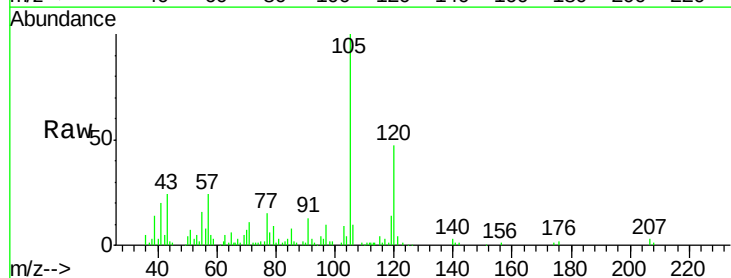
apatel
6/26/2018 1:48:39 PM

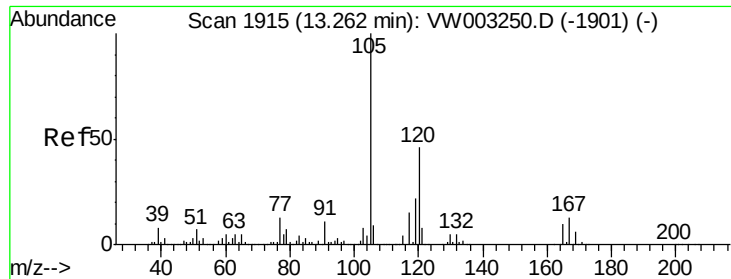


#80

1,3,5-Trimethylbenzene
Concen: 2.426 ug/l
RT: 12.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	72.9





#84

1,2,4-Trimethylbenzene

Concen: 7.053 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

Instrument :

MSVOA_W

ClientSampleId :

WP021SB483-33-35-180620

Tgt Ion:105 Resp: 64937

Ion Ratio Lower Upper

105 100

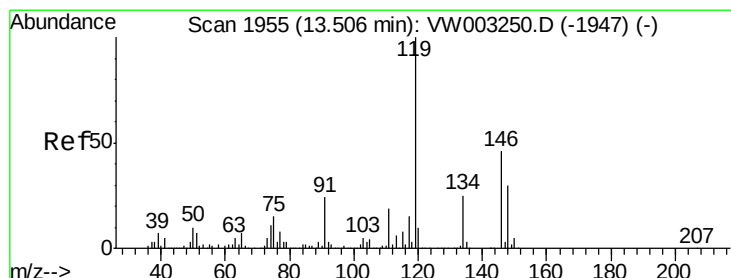
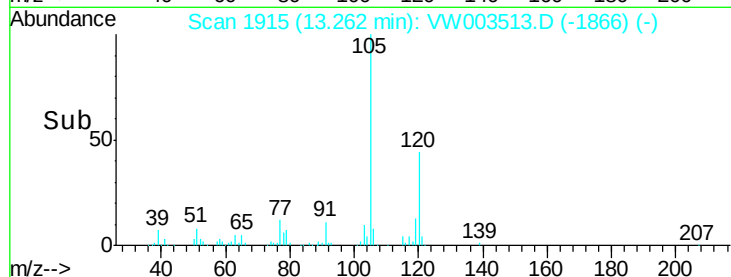
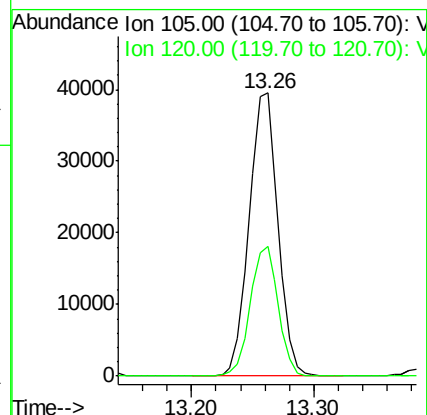
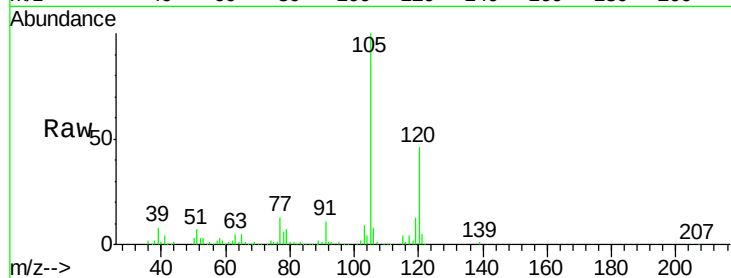
120 44.4 22.5 67.5

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#87

1,3-Dichlorobenzene

Concen: 13.368 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003513.D

Acq: 24 Jun 2018 16:22

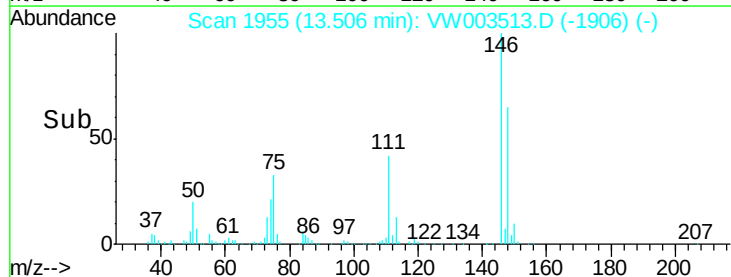
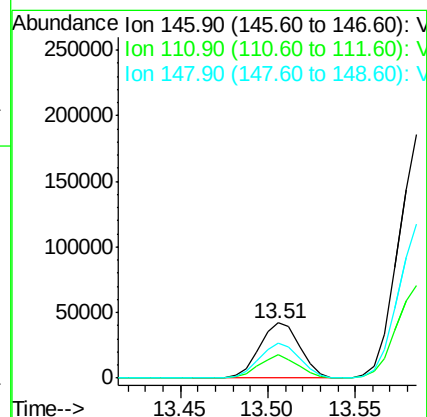
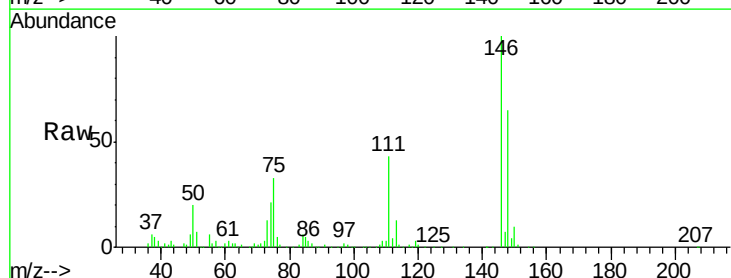
Tgt Ion:146 Resp: 68193

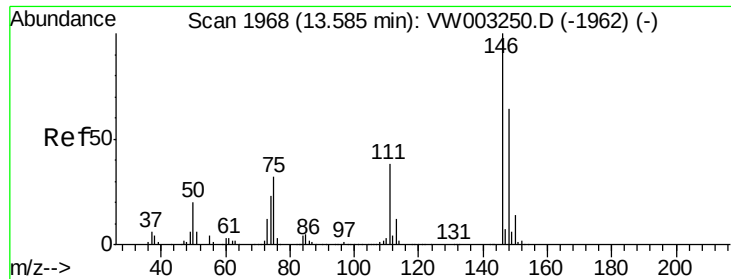
Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.4

148 63.0 32.1 96.5





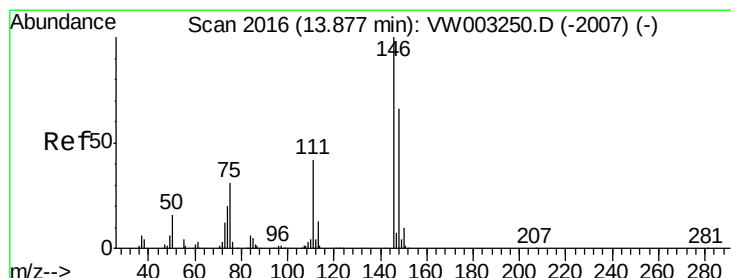
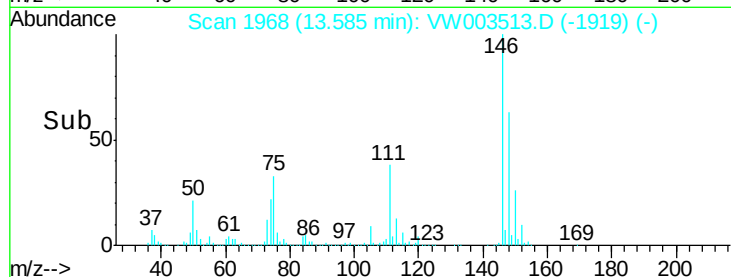
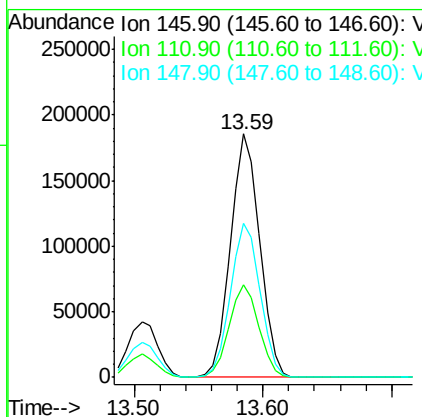
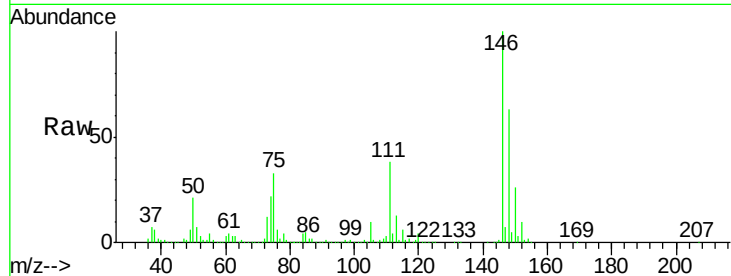
#88
 1,4-Dichlorobenzene
 Concen: 57.910 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003513.D
 Acq: 24 Jun 2018 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB483-33-35-180620

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293683		
111	38.7	19.2	57.6	
148	64.0	31.8	95.4	

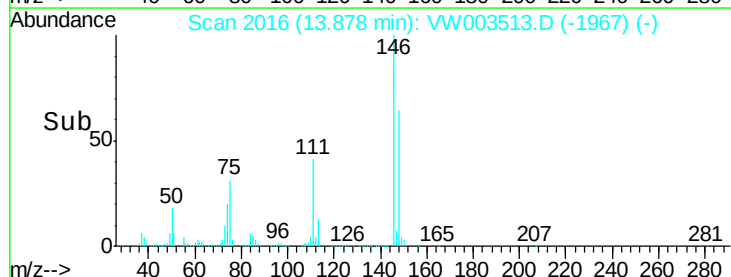
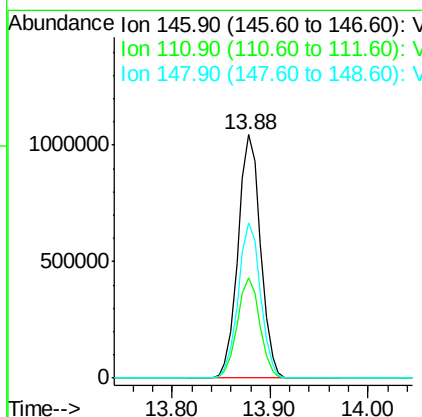
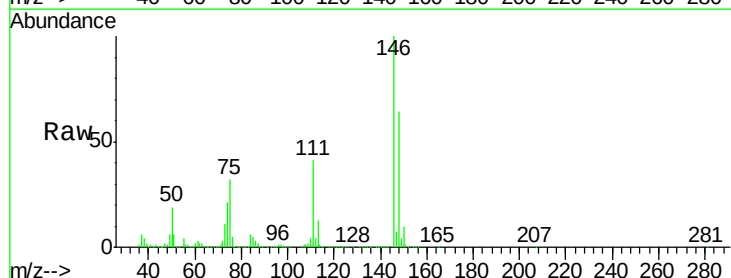
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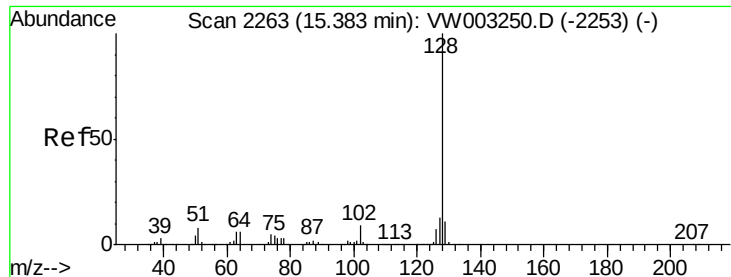
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#91
 1,2-Dichlorobenzene
 Concen: 372.934 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003513.D
 Acq: 24 Jun 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1666448		
111	41.4	20.3	61.0	
148	63.7	32.3	96.9	





#95
Naphthalene
Concen: 14.912 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003513.D
Acq: 24 Jun 2018 16:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB483-33-35-180620

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.2	8.9	13.3

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