

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003523.D
 Acq On : 24 Jun 2018 20:41
 Operator : SY/AP
 Sample : J3669-25
 Misc : 6.50G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-31-33-180620

Manual Integrations
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Quant Time: Jun 25 01:36:34 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	179416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	296081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	117031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	113037	58.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.34%	
35) Dibromofluoromethane	7.88	113	97297	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
50) Toluene-d8	10.33	98	337018	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.62	95	120807	46.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.58%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.36	62	550509	275.55	ug/l	98
12) 1,1-Dichloroethene	4.03	96	132067	81.31	ug/l	97
16) Acetone	4.15	43	39672	97.34	ug/l	98
20) Methylene Chloride	4.92	84	25859	12.16	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	20674	11.70	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	17913009	9225.10	ug/l	89
30) Chloroform	7.68	83	36521	10.66	ug/l	96
31) Cyclohexane	7.95	56	19860	6.32	ug/l #	81
40) Benzene	8.33	78	129478	16.43	ug/l	99
44) Trichloroethene	9.09	130	28085139m	13447.72	ug/l	
52) Toluene	10.39	92	38639	7.64	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	17346	11.98	ug/l	96
64) Tetrachloroethene	10.87	164	6989	4.01	ug/l	94
65) Chlorobenzene	11.66	112	10903	2.01	ug/l	98
68) m/p-Xylenes	11.85	106	3985	1.09	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	10093	2.59	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	23559	6.09	ug/l	90
91) 1,2-Dichlorobenzene	13.88	146	52160	15.29	ug/l	99
95) Naphthalene	15.38	128	43814	10.79	ug/l	99

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

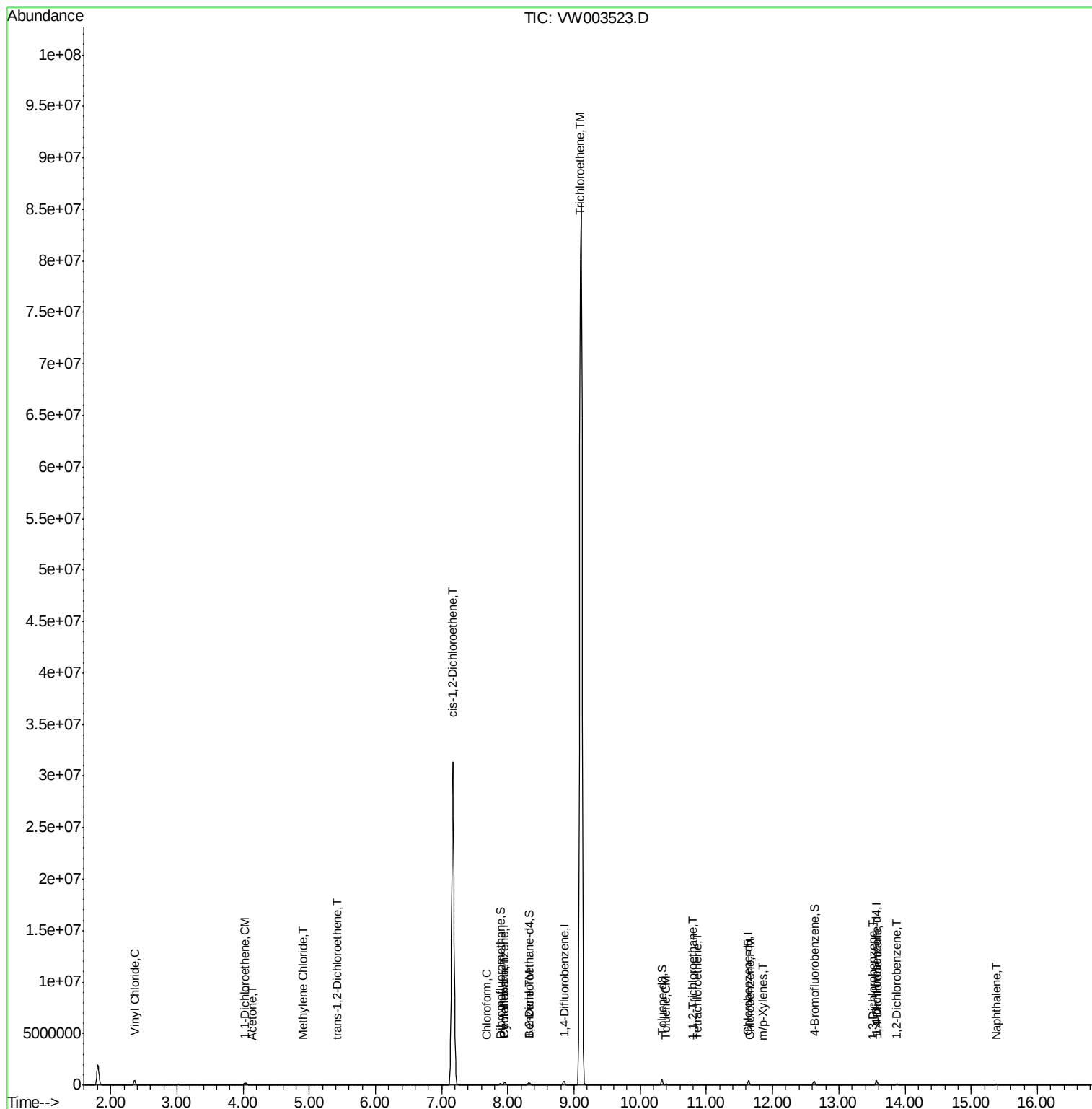
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003523.D
Acq On : 24 Jun 2018 20:41
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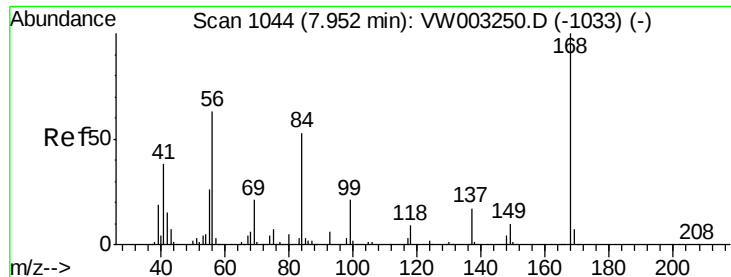
Instrument :
MSVOA_W
ClientSampleId :
WP021SB479-31-33-180620

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Quant Time: Jun 25 01:36:34 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: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

ClientSampleId :

WP021SB479-31-33-180620

Tot Ion:168 Resp: 179416

Ion Ratio Lower Upper

168 100

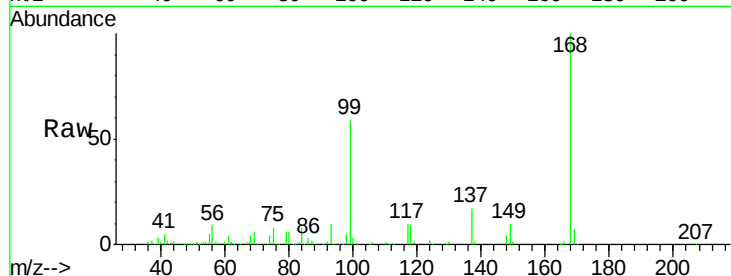
99 58.7 45.5 68.3

Manual Integrations

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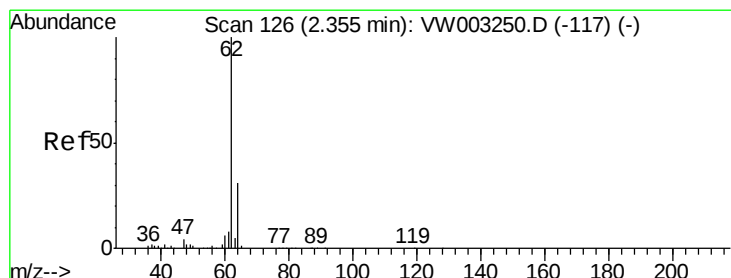
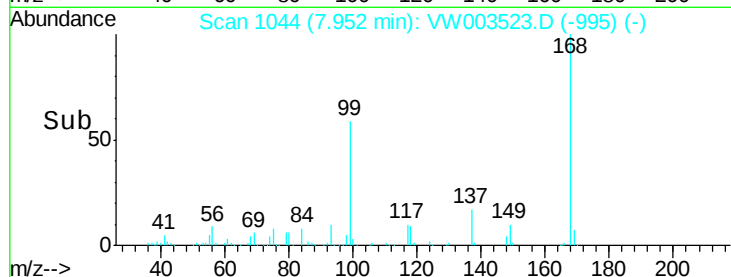
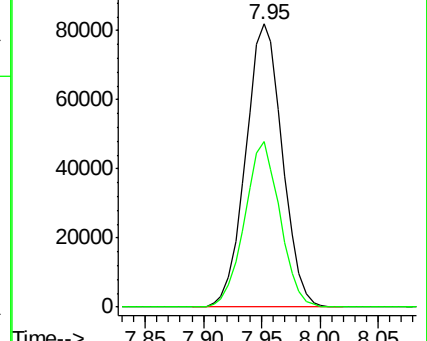
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 275.55 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003523.D

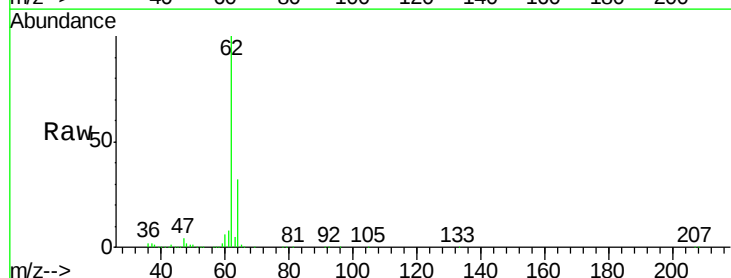
Acq: 24 Jun 2018 20:41

Tgt Ion: 62 Resp: 550509

Ion Ratio Lower Upper

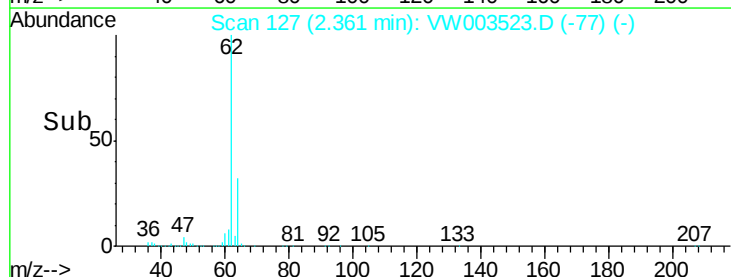
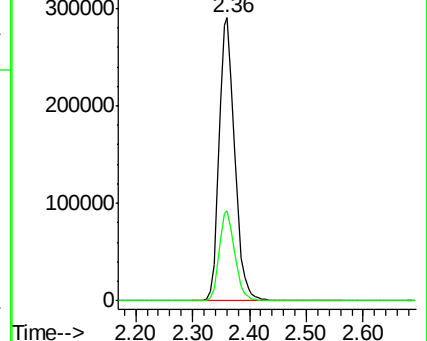
62 100

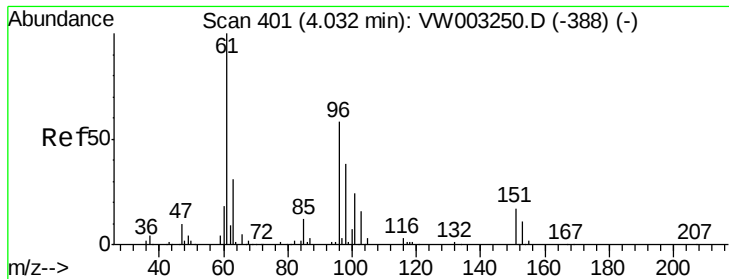
64 32.0 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#12

1,1-Dichloroethene

Concen: 81.31 ug/l

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

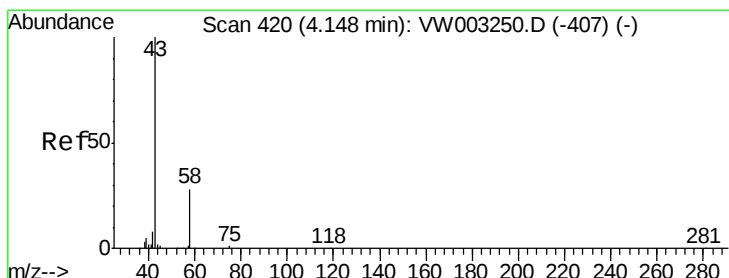
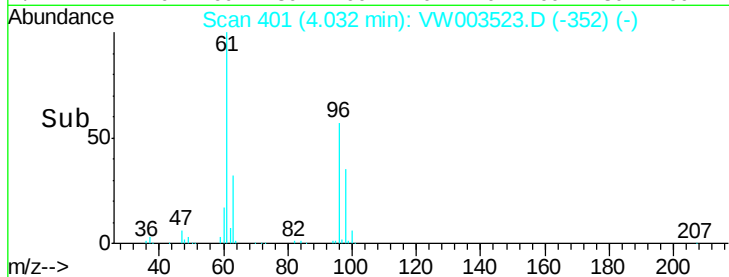
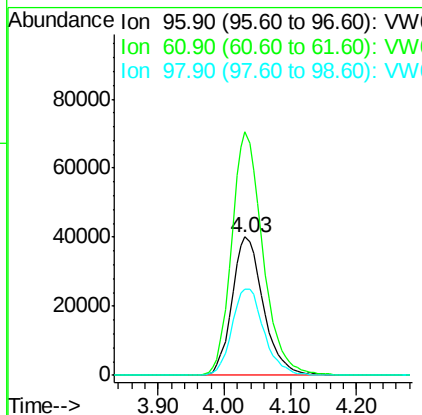
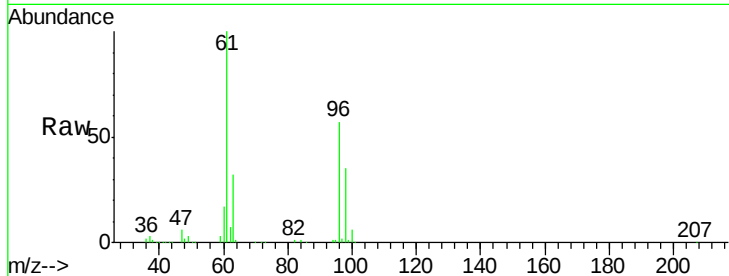
ClientSampleId :

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Tot Ion:	96	Resp:	132067
Ion Ratio	Lower	Upper	
96	100		
61	175.8	139.0	208.4
98	62.1	53.3	79.9

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#16

Acetone

Concen: 97.34 ug/l

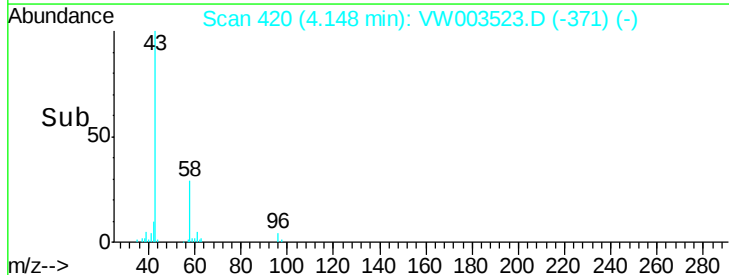
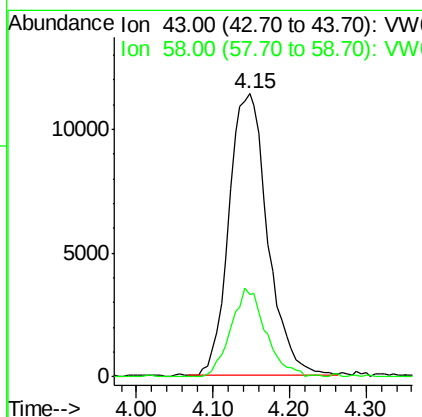
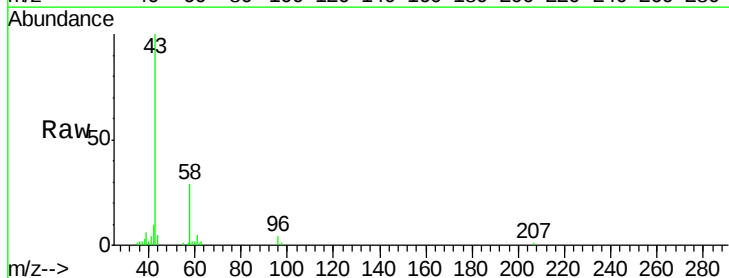
RT: 4.15 min Scan# 420

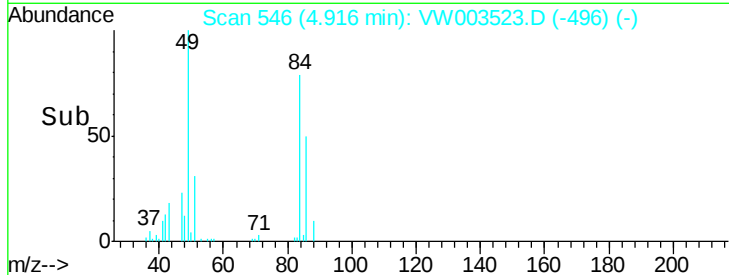
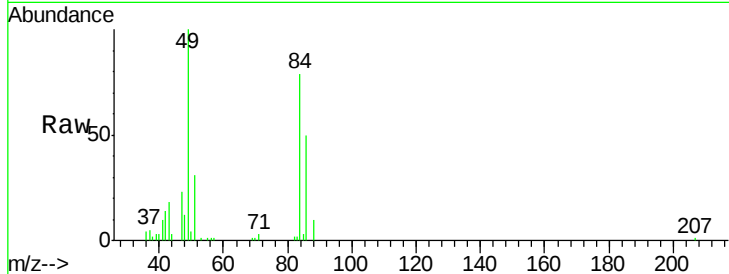
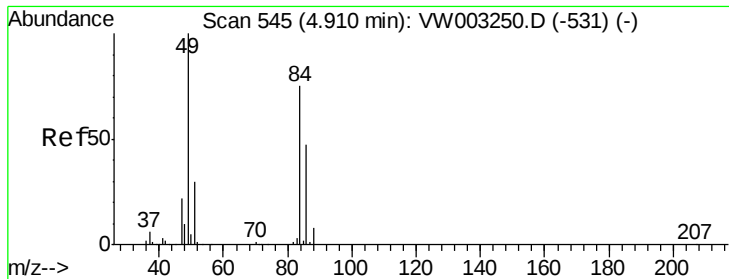
Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Tgt Ion:	43	Resp:	39672
Ion Ratio	Lower	Upper	
43	100		
58	29.5	22.6	34.0





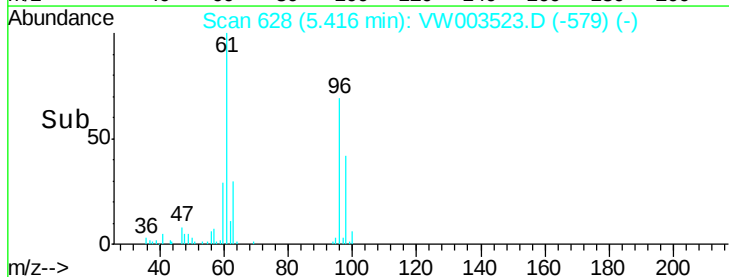
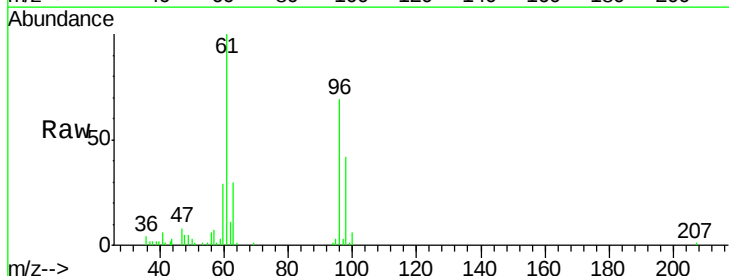
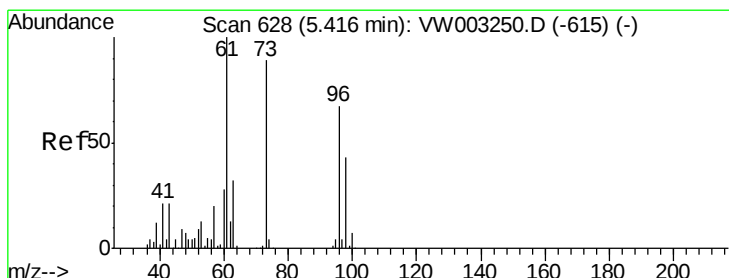
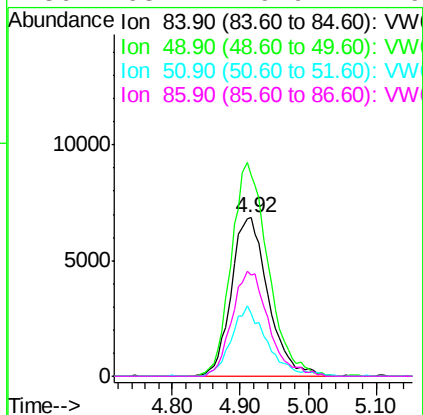
#20
Methvlene Chloride
Concen: 12.16 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003523.D
Acq: 24 Jun 2018 20:41

Tot Ion	Ratio	Lower	Upper
84	100		
49	126.9	106.3	159.5
51	39.4	32.0	48.0
86	63.7	49.9	74.9

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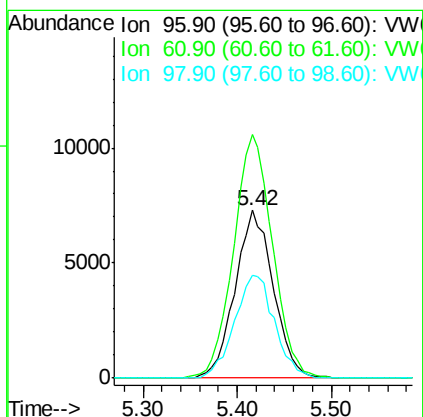
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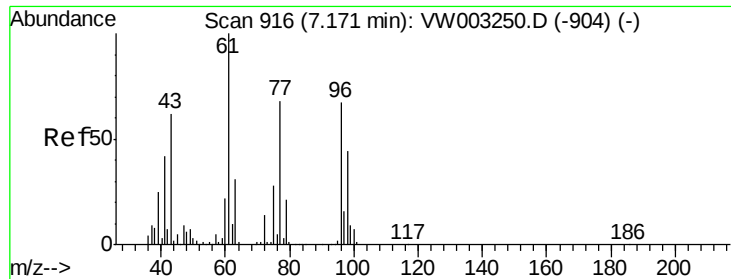
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#21
trans-1,2-Dichloroethene
Concen: 11.70 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003523.D
Acq: 24 Jun 2018 20:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	118.7	178.1
98	61.3	51.0	76.6





#27

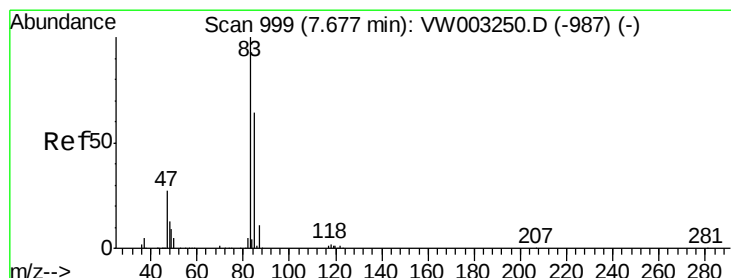
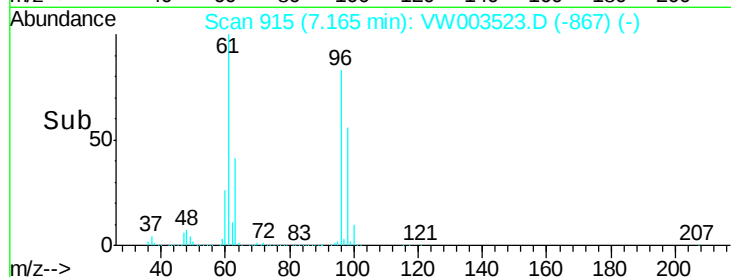
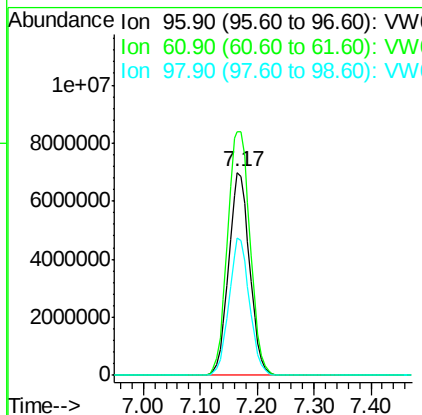
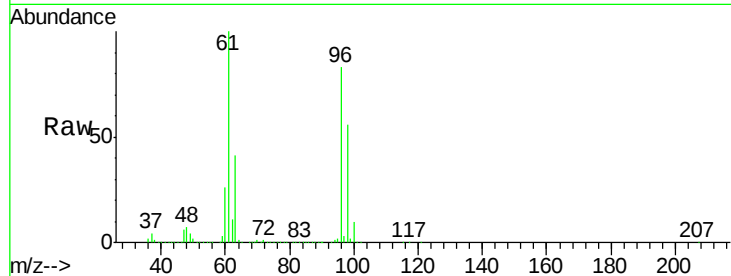
cis-1,2-Dichloroethene
 Concen: 9225.10 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-31-33-180620

Tot Ion: 96 Resp:17913009
 Ion Ratio Lower Upper
 96 100
 61 130.0 0.0 298.8
 98 66.2 0.0 130.4

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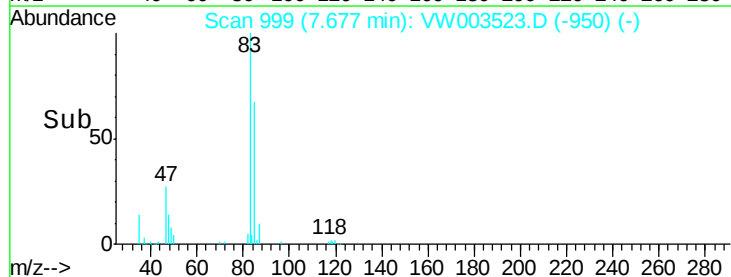
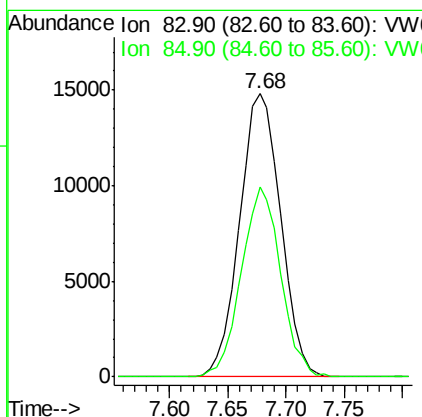
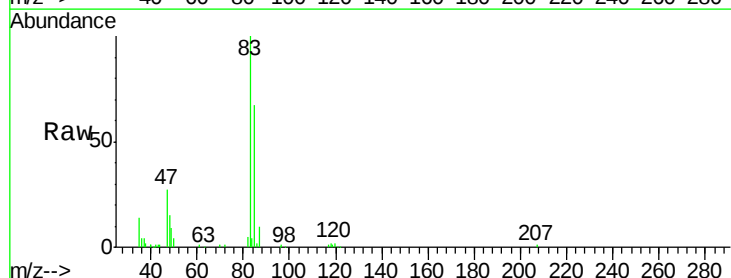
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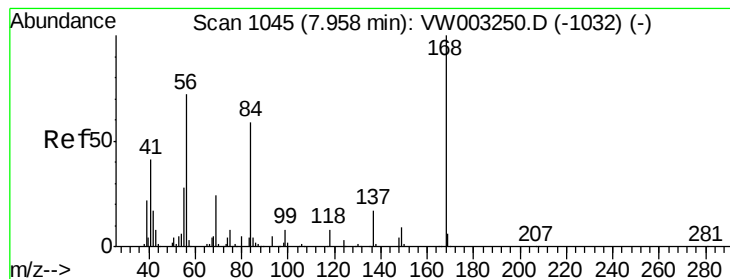


#30

Chloroform
 Concen: 10.66 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Tgt Ion: 83 Resp: 36521
 Ion Ratio Lower Upper
 83 100
 85 67.1 51.3 76.9





#31

Cyclohexane

Concen: 6.32 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

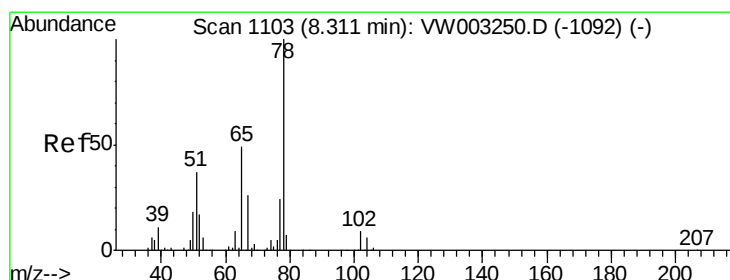
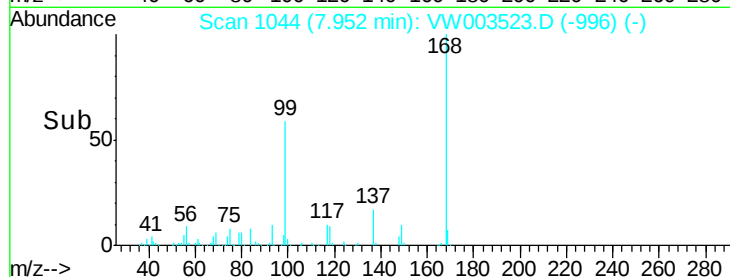
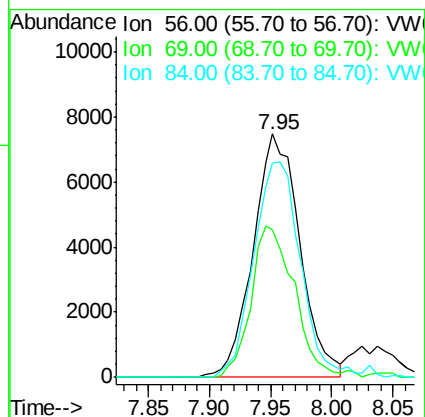
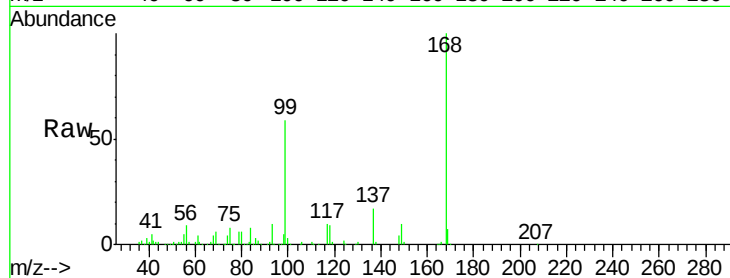
ClientSampleId :

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Tot Ion:	56	Resp:	19860
Ion Ratio	Lower	Upper	
56	100		
69	60.7	26.3	39.5#
84	88.0	65.7	98.5

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#33

1,2-Dichloroethane-d4

Concen: 58.17 ug/l

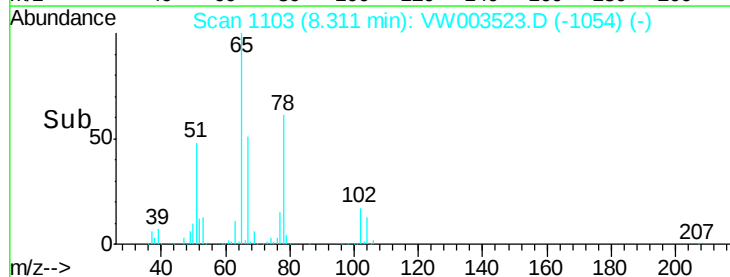
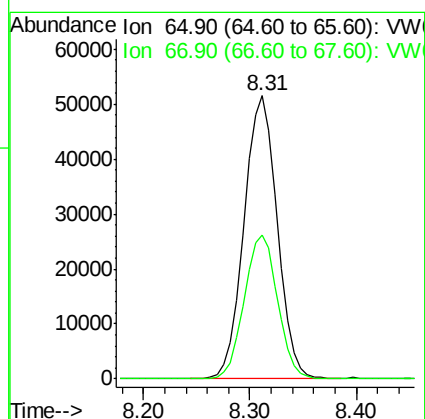
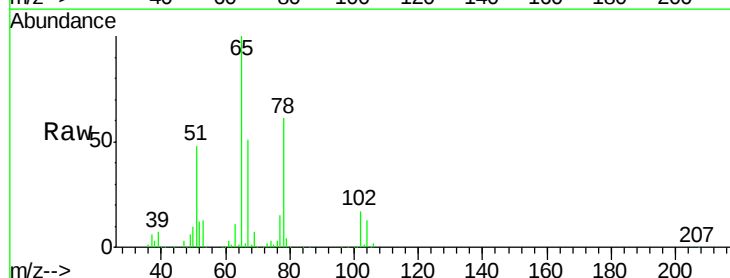
RT: 8.31 min Scan# 1103

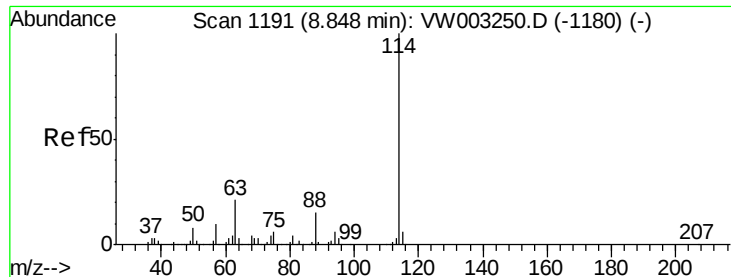
Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Tgt Ion:	65	Resp:	113037
Ion Ratio	Lower	Upper	
65	100		
67	50.9	0.0	104.2





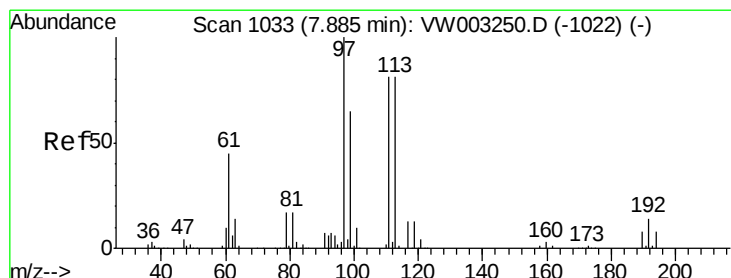
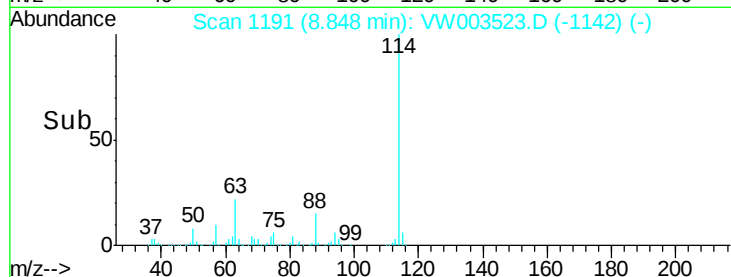
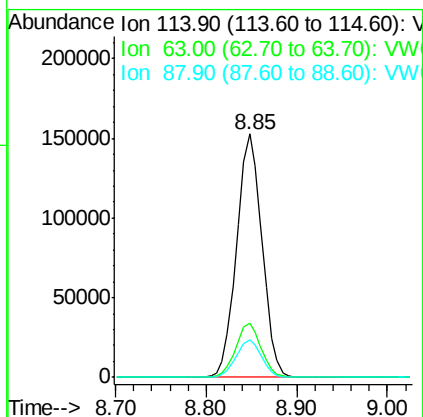
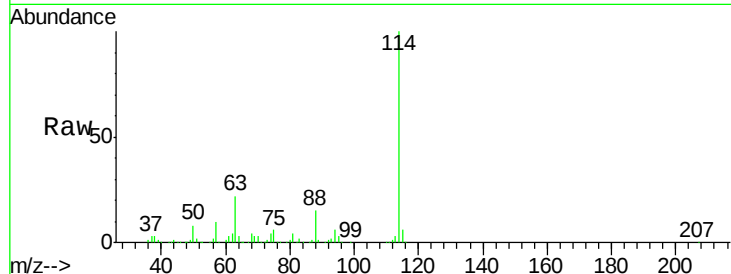
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

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Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.2	0.0	43.0
88	15.2	0.0	29.6

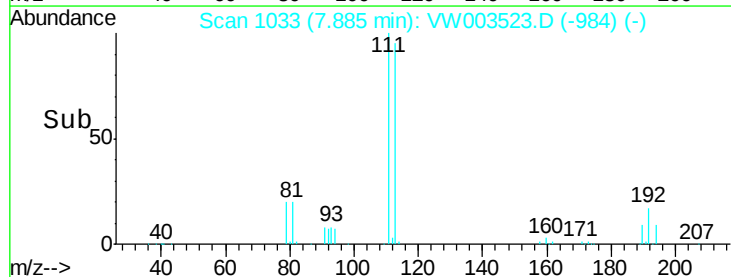
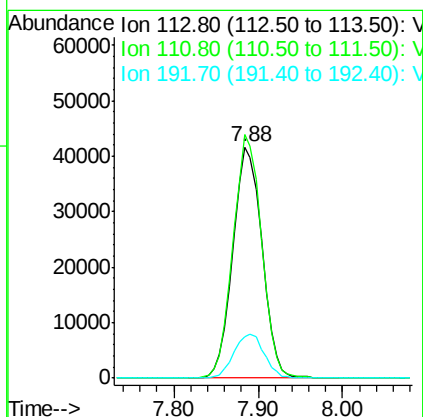
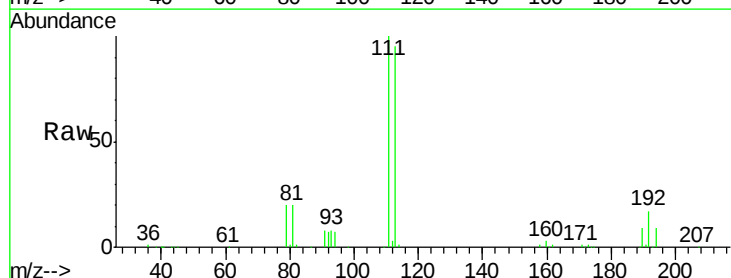
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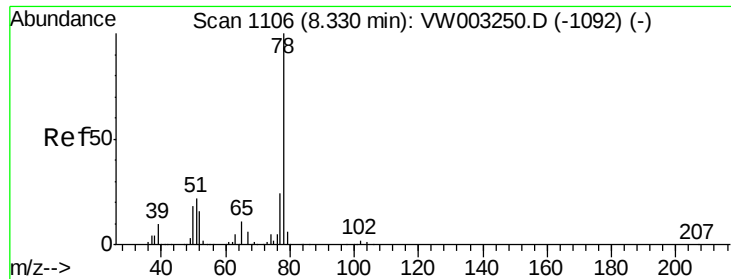
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#35
 Dibromofluoromethane
 Concen: 52.89 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.4	82.2	123.2
192	19.7	16.2	24.2





#40

Benzene

Concen: 16.43 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

ClientSampleId :

WP021SB479-31-33-180620

Tot Ion: 78 Resp: 129478

Ion Ratio Lower Upper

78 100

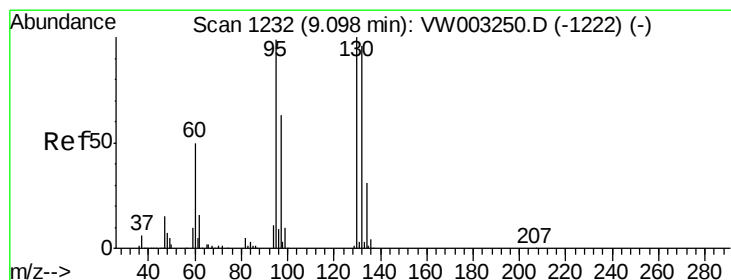
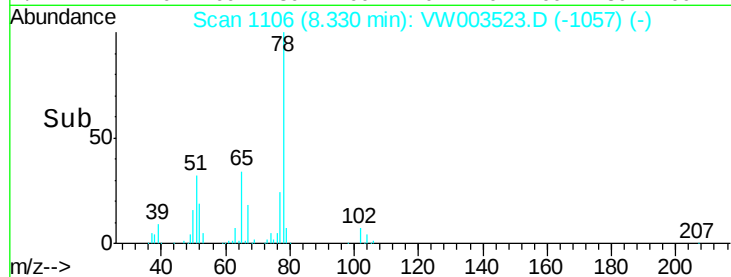
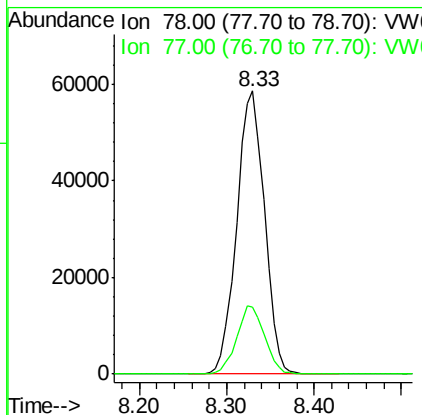
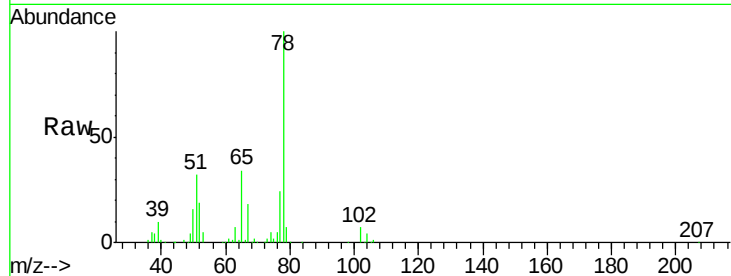
77 23.5 19.0 28.6

Manual Integrations

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#44

Trichloroethene

Concen: 13447.72 ug/l m

RT: 9.09 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VW003523.D

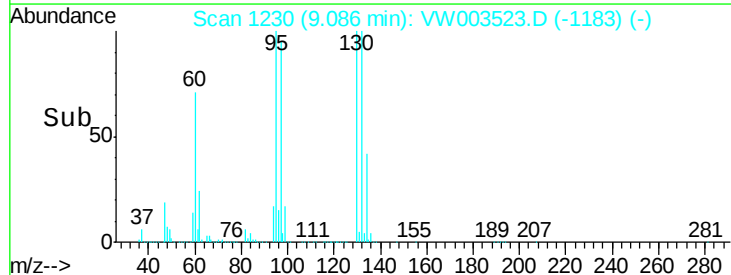
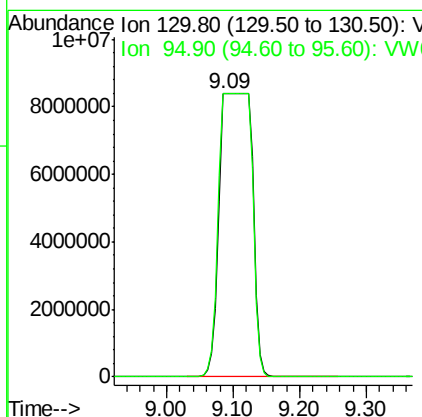
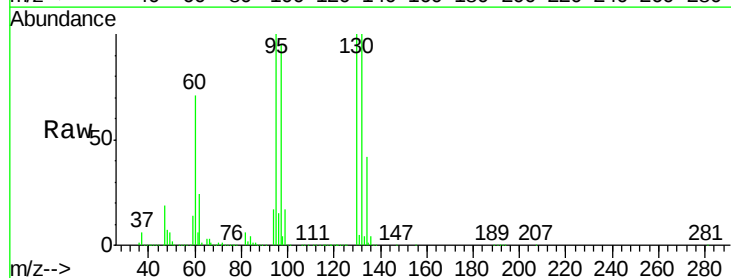
Acq: 24 Jun 2018 20:41

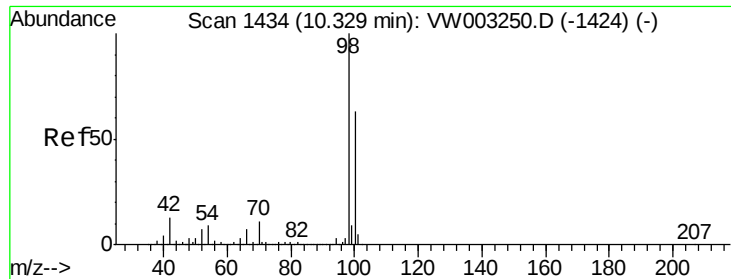
Tgt Ion:130 Resp:28085139

Ion Ratio Lower Upper

130 100

95 100.0 0.0 198.0





#50

Toluene-d8

Concen: 46.20 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

ClientSampleId :

WP021SB479-31-33-180620

Tot Ion: 98 Resp: 337018

Ion Ratio Lower Upper

98 100

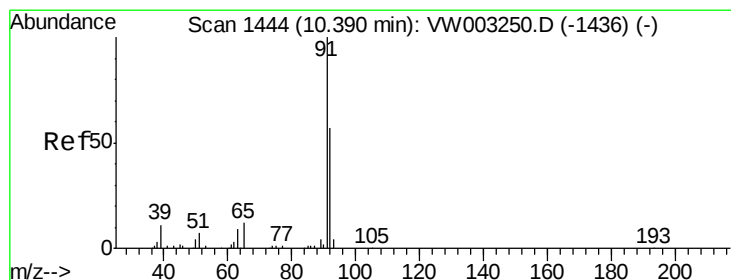
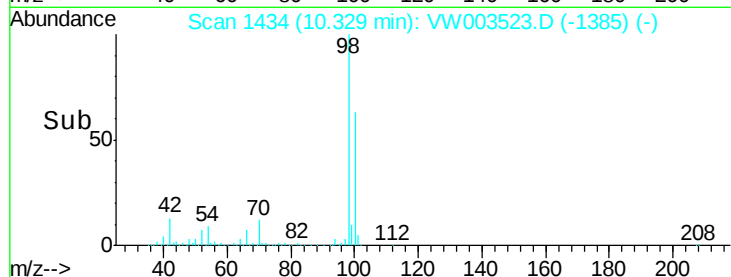
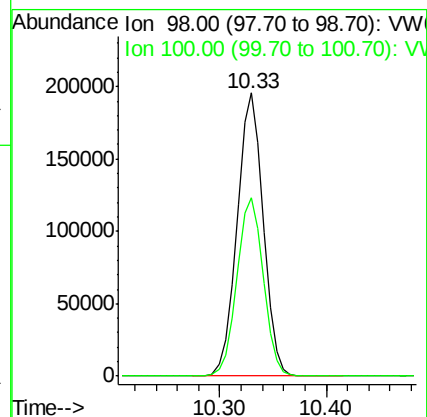
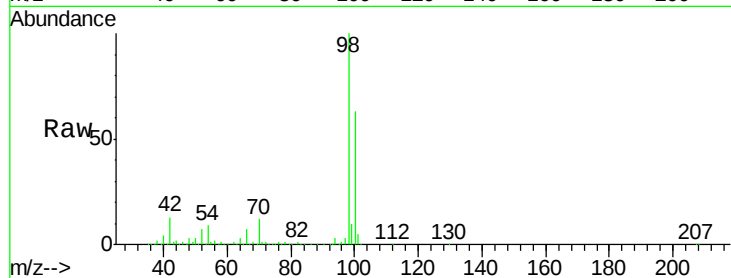
100 63.6 50.8 76.2

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#52

Toluene

Concen: 7.64 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003523.D

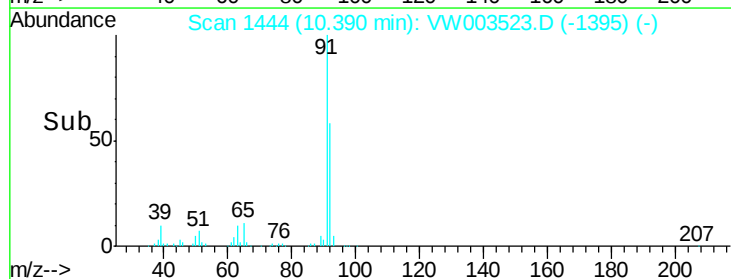
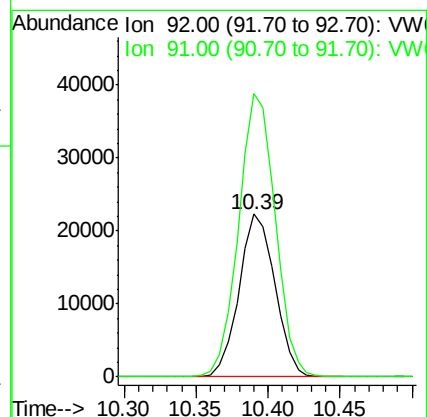
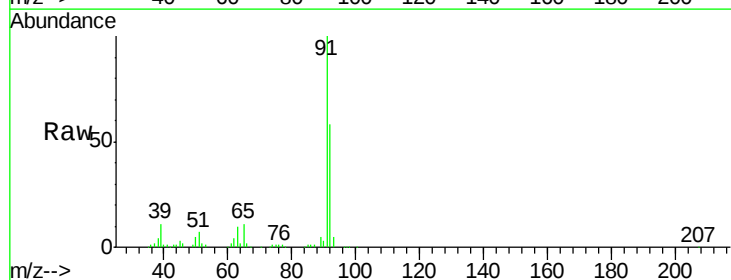
Acq: 24 Jun 2018 20:41

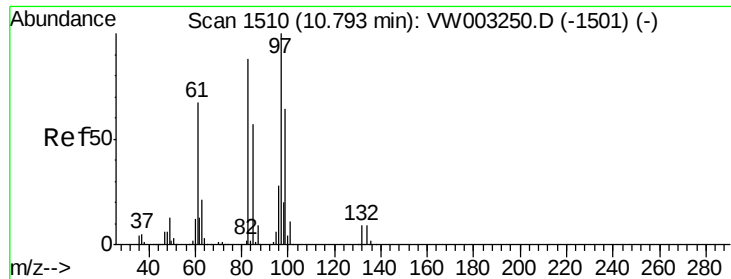
Tgt Ion: 92 Resp: 38639

Ion Ratio Lower Upper

92 100

91 177.7 141.1 211.7





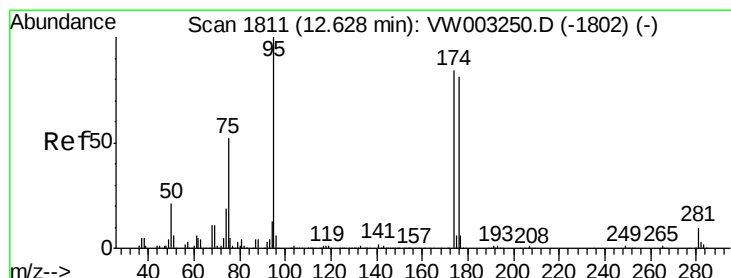
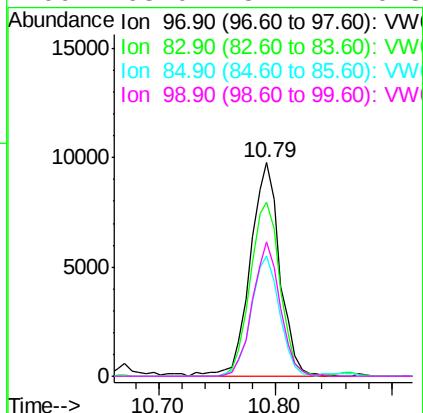
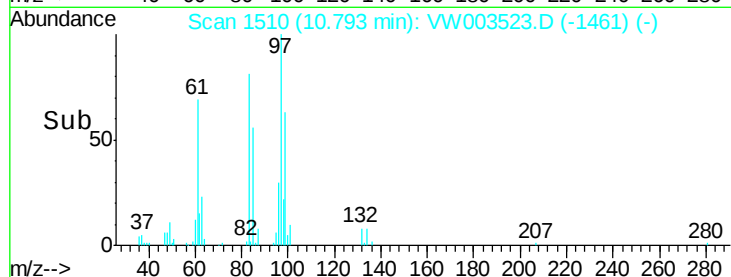
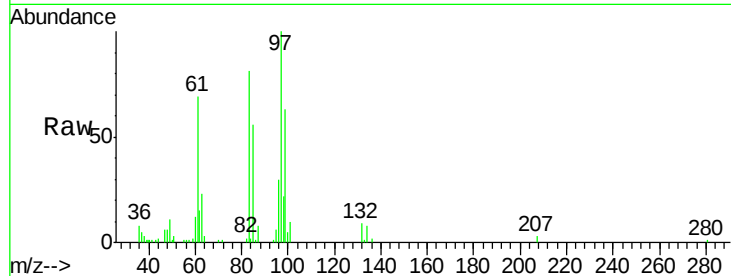
#55
 1,1,2-Trichloroethane
 Concen: 11.98 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-31-33-180620

Tot Ion:	97	Resp:	17346
Ion	Ratio	Lower	Upper
97	100		
83	81.4	70.2	105.2
85	56.2	45.6	68.4
99	63.0	51.2	76.8

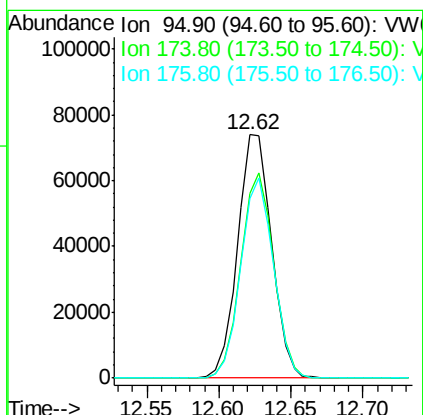
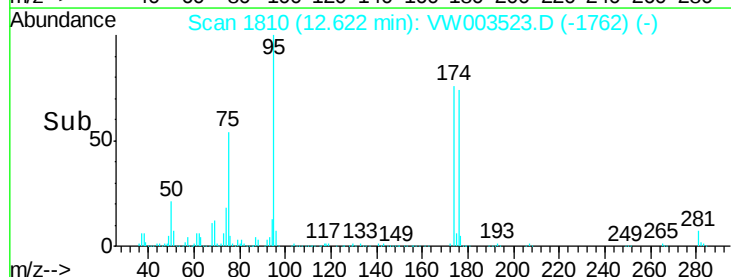
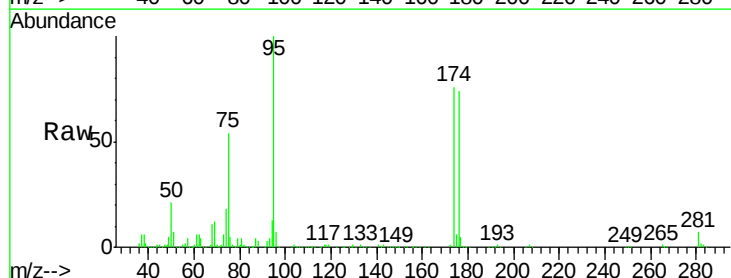
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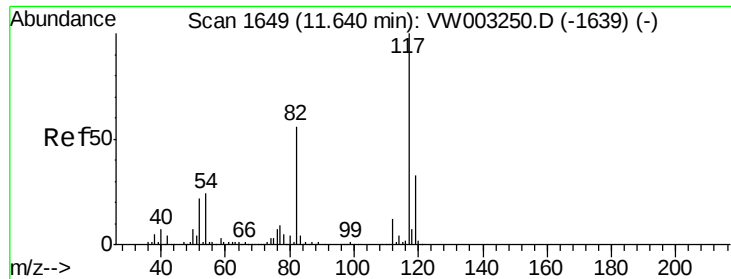
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#62
 4-Bromofluorobenzene
 Concen: 46.79 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Tgt Ion:	95	Resp:	120807
Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	166.4
176	79.2	0.0	162.0





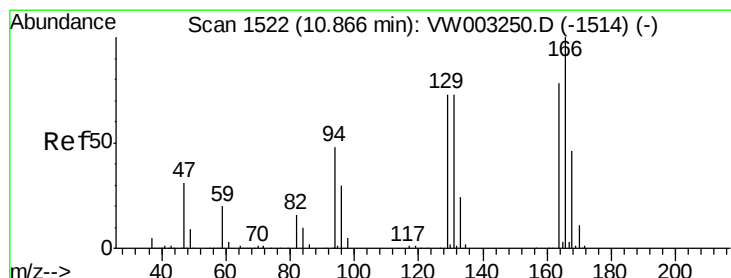
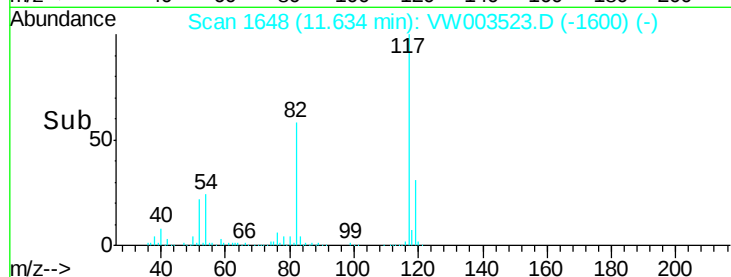
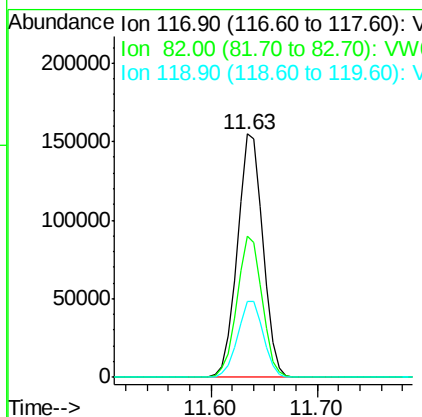
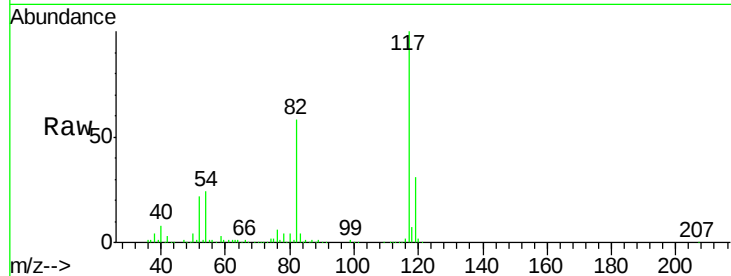
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003523.D
Acq: 24 Jun 2018 20:41

Instrument :
MSVOA_W
ClientSampleId :
WP021SB479-31-33-180620

Tot Ion	Ratio	Resp	Lower	Upper
117	100	260502		
82	58.0		44.6	67.0
119	30.9		26.7	40.1

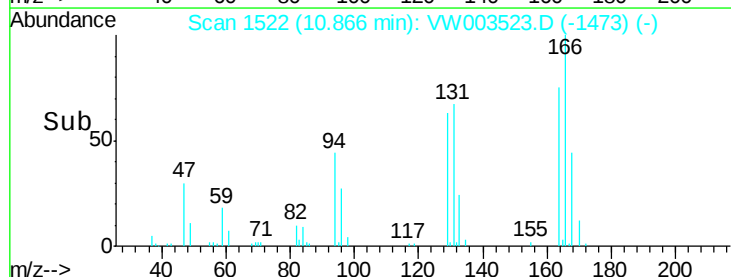
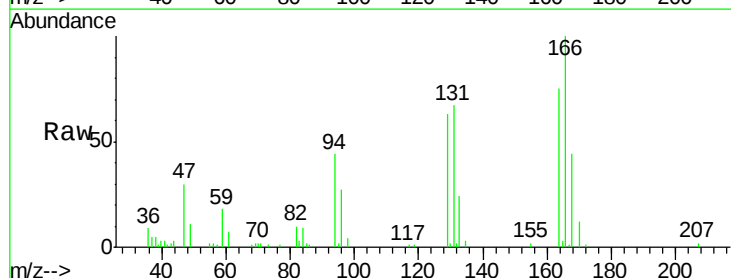
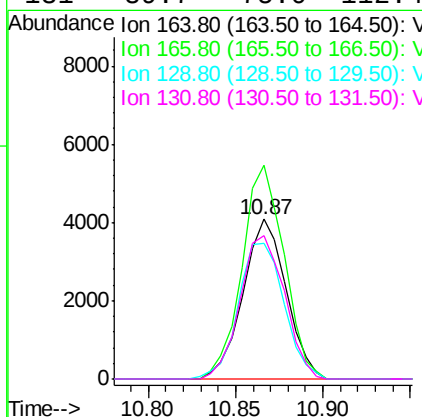
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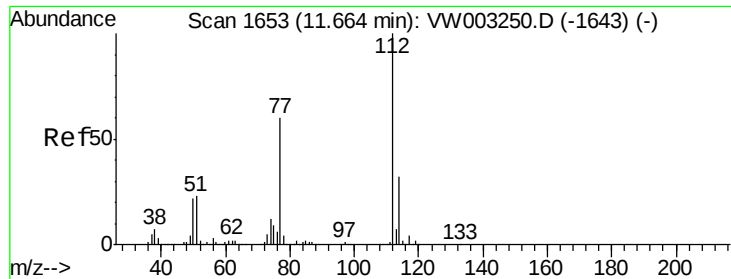
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#64
Tetrachloroethene
Concen: 4.01 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003523.D
Acq: 24 Jun 2018 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6989		
166	133.7		102.6	154.0
129	84.6		75.2	112.8
131	89.7		75.0	112.4





#65

Chlorobenzene

Concen: 2.01 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

ClientSampleId :

WP021SB479-31-33-180620

Tot Ion:112 Resp: 10903

Ion Ratio Lower Upper

112 100

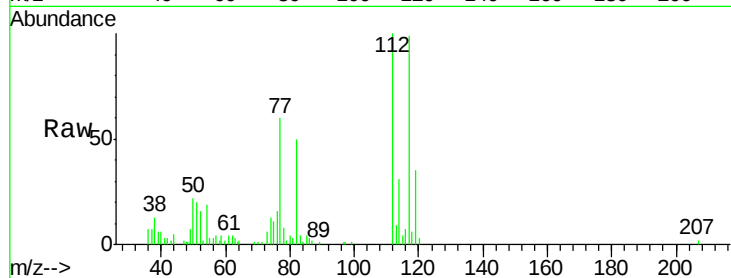
114 31.4 25.9 38.9

Manual Integrations

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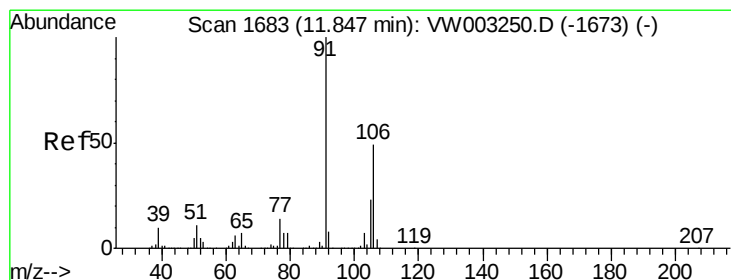
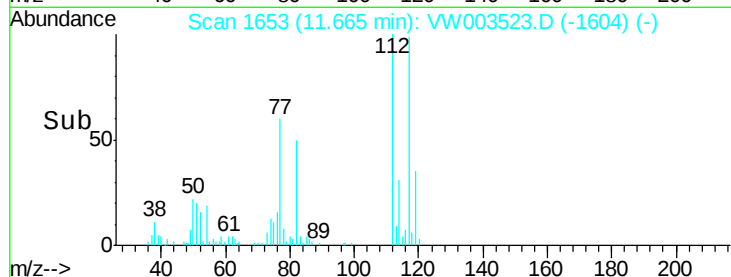
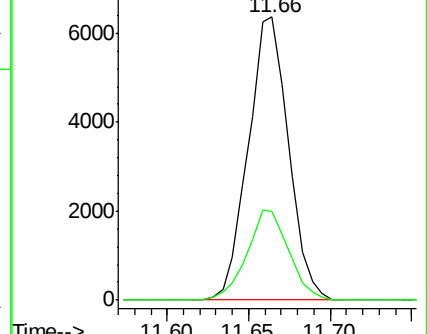
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 1.09 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003523.D

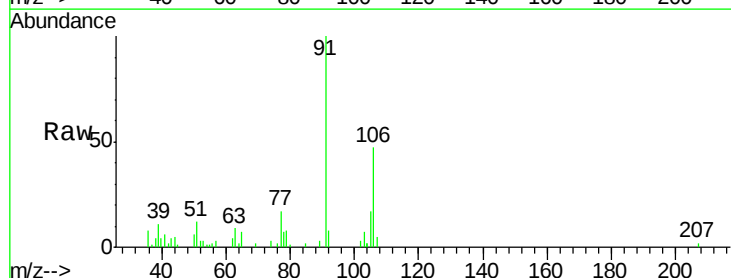
Acq: 24 Jun 2018 20:41

Tgt Ion:106 Resp: 3985

Ion Ratio Lower Upper

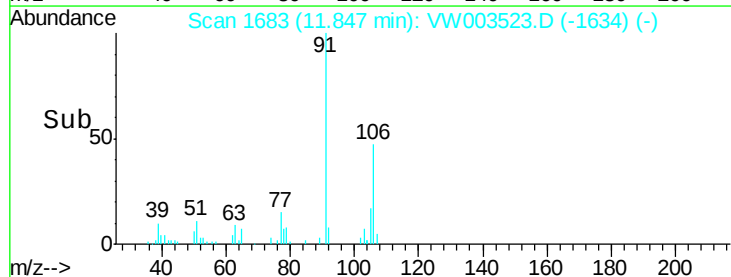
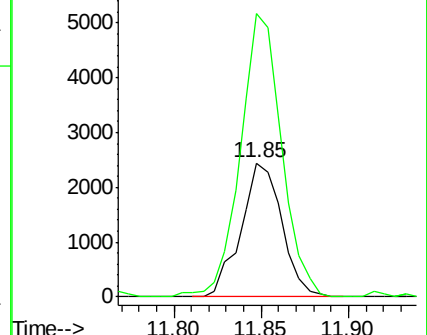
106 100

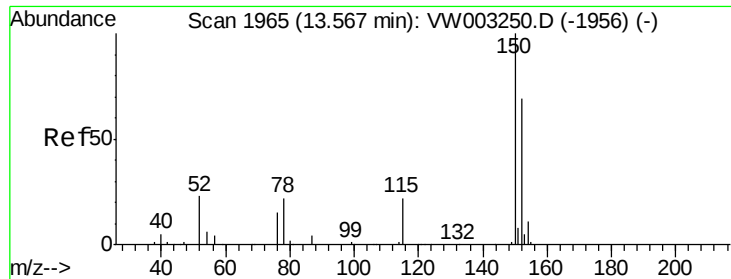
91 213.1 165.4 248.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Instrument :

MSVOA_W

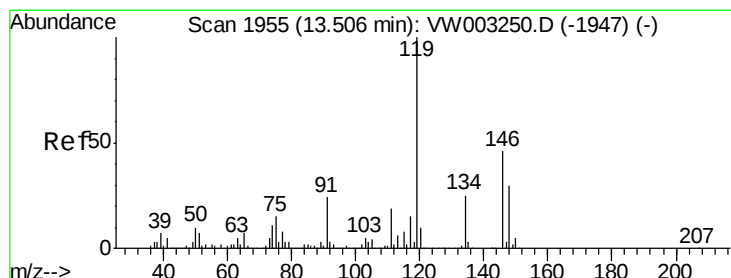
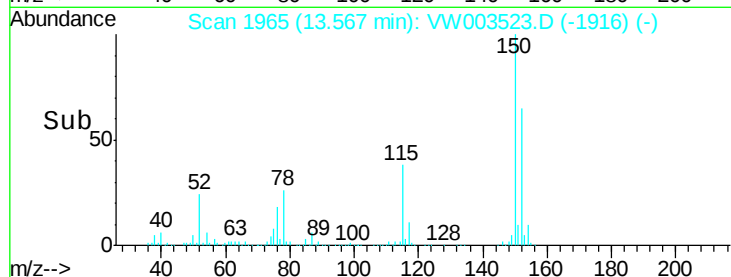
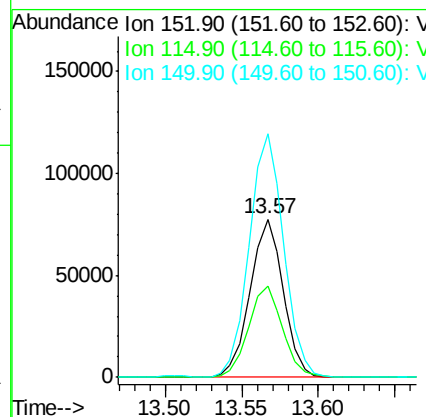
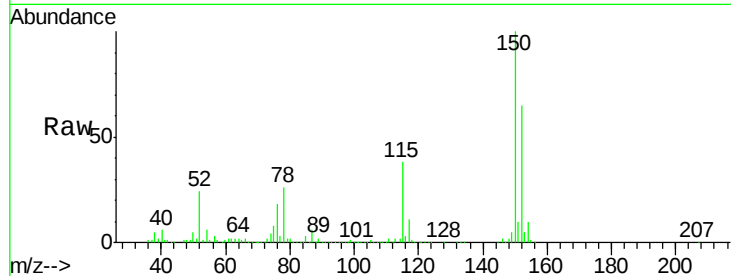
ClientSampleId :

WP021SB479-31-33-180620

Tot Ion:	152	Resp:	117031
Ion Ratio	Lower	Upper	
152	100		
115	59.8	29.3	88.0
150	159.8	0.0	349.6

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#87

1,3-Dichlorobenzene

Concen: 2.59 ug/l

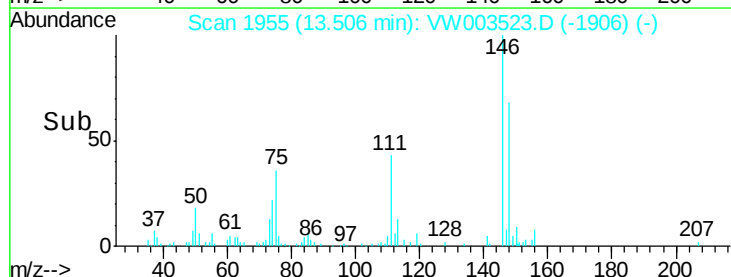
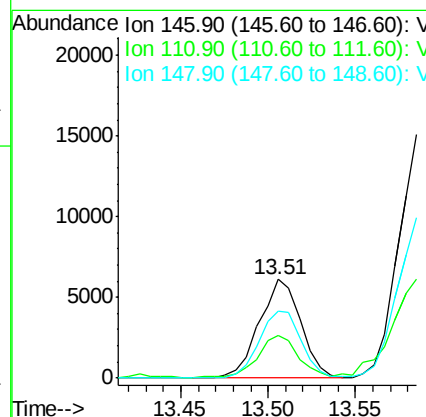
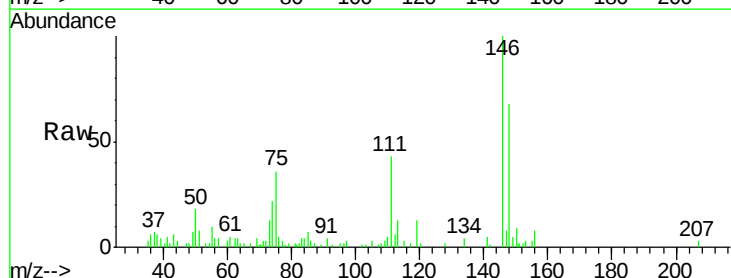
RT: 13.51 min Scan# 1955

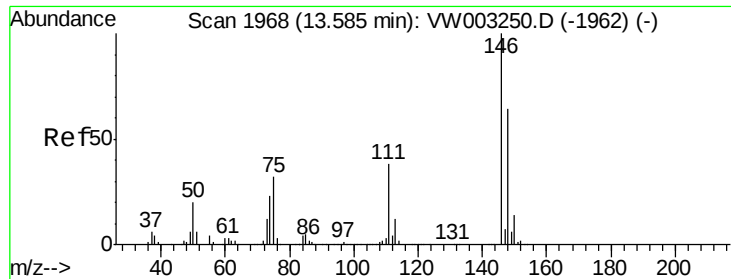
Delta R.T. 0.00 min

Lab File: VW003523.D

Acq: 24 Jun 2018 20:41

Tgt Ion:	146	Resp:	10093
Ion Ratio	Lower	Upper	
146	100		
111	42.5	19.8	59.4
148	68.6	32.1	96.5





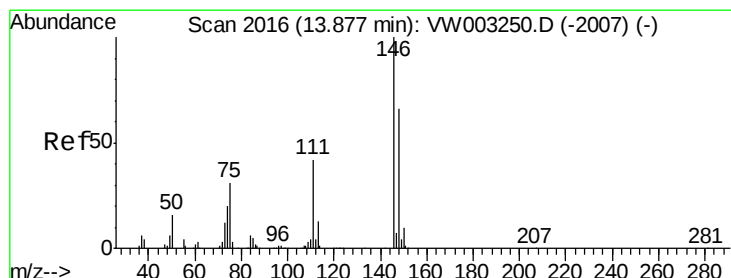
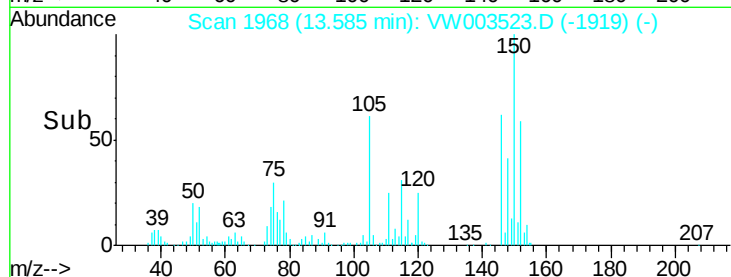
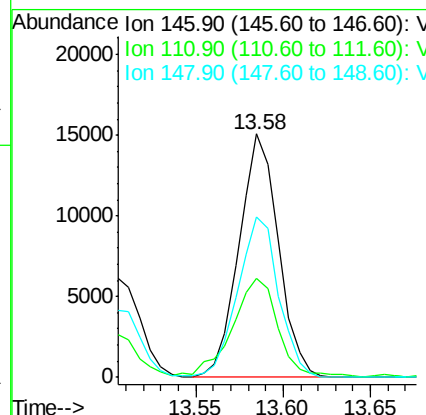
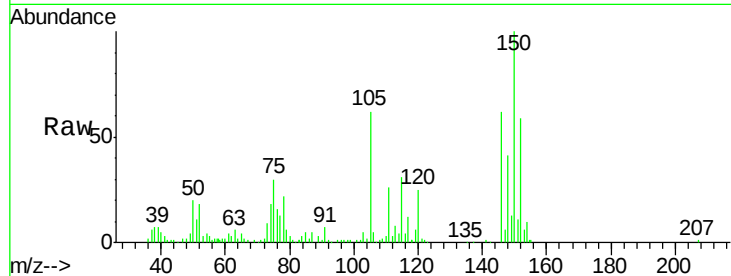
#88
 1,4-Dichlorobenzene
 Concen: 6.09 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB479-31-33-180620

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	19.2	57.6
148	68.7	31.8	95.4

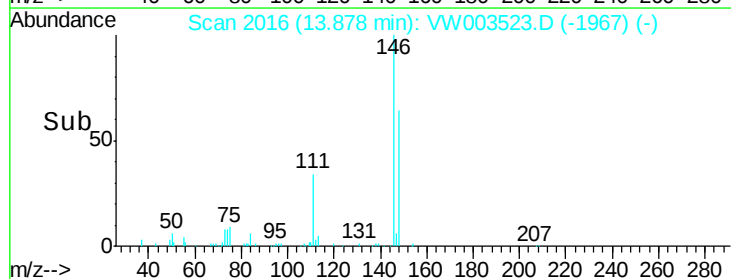
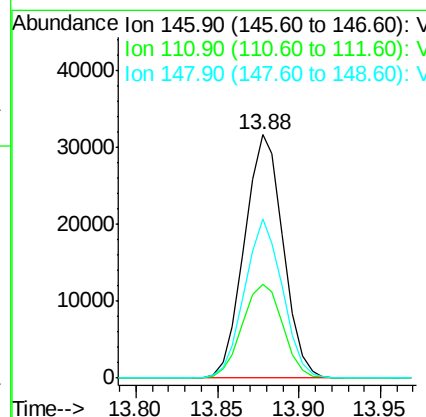
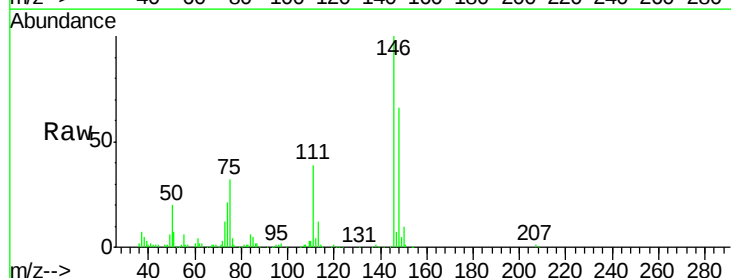
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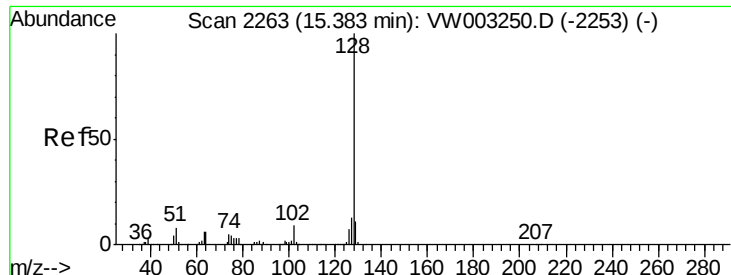
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#91
 1,2-Dichlorobenzene
 Concen: 15.29 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003523.D
 Acq: 24 Jun 2018 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	63.9	32.3	96.9





#95
Naphthalene
Concen: 10.79 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003523.D
Acq: 24 Jun 2018 20:41

Instrument :
MSVOA_W
ClientSampleId :
WP021SB479-31-33-180620

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	10.8	8.9	13.3

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