

Data File : VW003506.D
Acq On : 24 Jun 2018 13:21
Operator : SY/AP
Sample : J3669-08
Misc : 6.10G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-37-39-180620

Quant Time: Jun 24 23:25:21 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	154109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	249422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	90802	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
35) Dibromofluoromethane	7.89	113	77758	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.33	98	260933	42.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.92%	
62) 4-Bromofluorobenzene	12.63	95	93765	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	

Target Compounds

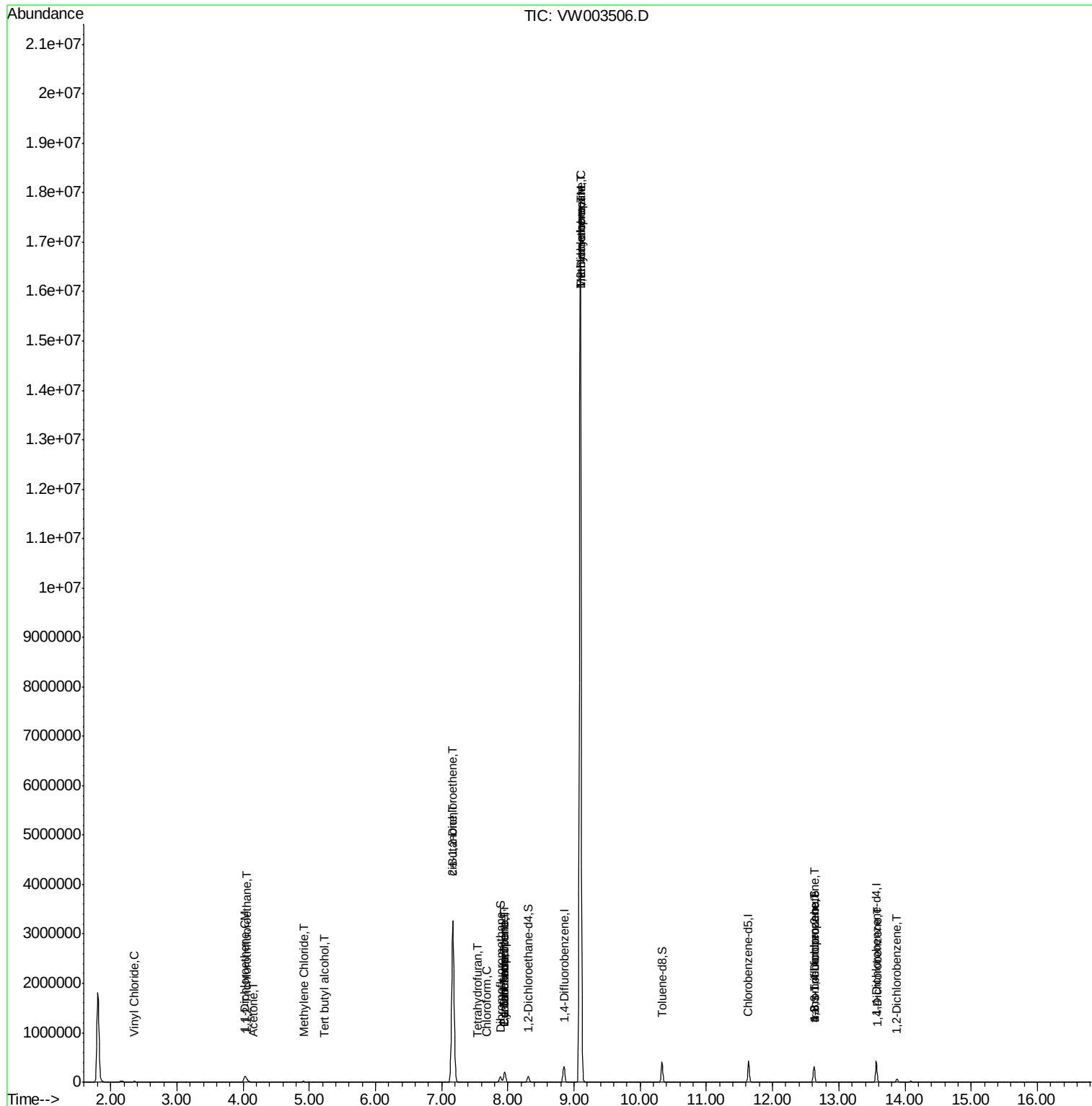
						Qvalue
4) Vinyl Chloride	2.36	62	9258	5.395	ug/l #	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	9668	6.772	ug/l	97
11) Tert butyl alcohol	5.24	59	257	2.871	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	63548	45.552	ug/l	99
16) Acetone	4.15	43	10944	31.261	ug/l	98
20) Methylene Chloride	4.92	84	8113	1.926	ug/l #	75
25) 2-Butanone	7.17	43	756	1.737	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	1878932	1126.541	ug/l	93
29) Tetrahydrofuran	7.54	42	437	1.643	ug/l #	62
30) Chloroform	7.68	83	6688	2.274	ug/l	93
31) Cyclohexane	7.95	56	3953	1.466	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	12734	5.287	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15735	6.660	ug/l #	16
39) Methylcyclohexane	9.09	83	76404	27.413	ug/l #	1
44) Trichloroethene	9.10	130	5922802	3366.471	ug/l	98
45) 1,2-Dichloropropane	9.09	63	14180	8.388	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	50748	55.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50748	126.582	ug/l #	8
88) 1,4-Dichlorobenzene	13.58	146	7182	2.012	ug/l	85
91) 1,2-Dichlorobenzene	13.88	146	24084	7.657	ug/l	98

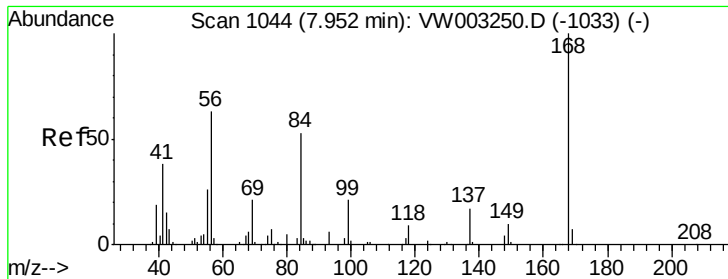
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003506.D

Acq: 24 Jun 2018 13:21

Instrument :

MSVOA_W

ClientSampleId :

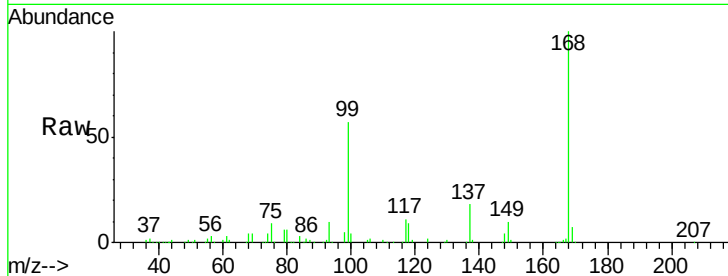
WP021SB484-37-39-180620

Tgt Ion:168 Resp: 154109

Ion Ratio Lower Upper

168 100

99 57.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

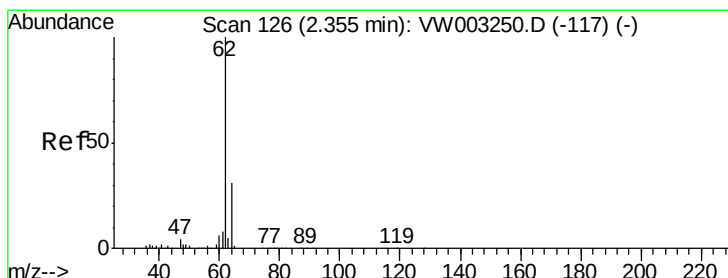
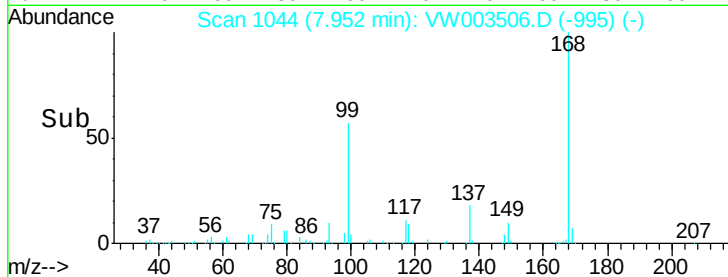
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#4

Vinyl Chloride

Concen: 5.395 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003506.D

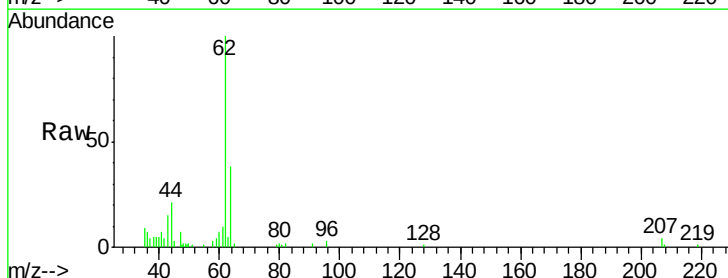
Acq: 24 Jun 2018 13:21

Tgt Ion: 62 Resp: 9258

Ion Ratio Lower Upper

62 100

64 37.8 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

6000

5000

4000

3000

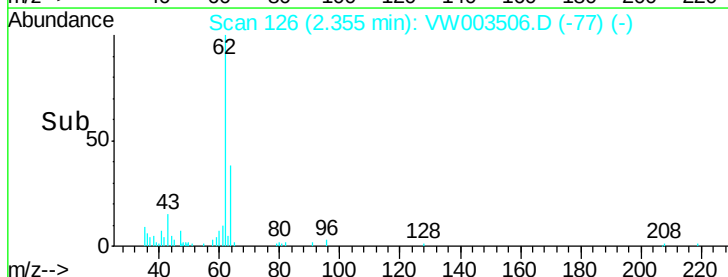
2000

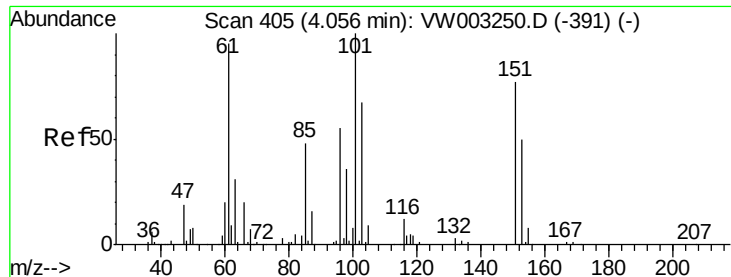
1000

0

2.30 2.35 2.40 2.45

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.772 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003506.D

Acq: 24 Jun 2018 13:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB484-37-39-180620

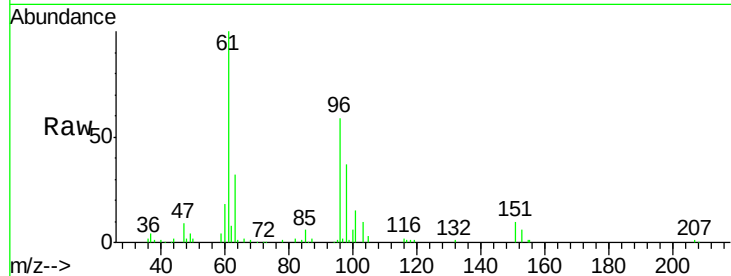
Tgt Ion: 101 Resp: 9668

Ion Ratio Lower Upper

101 100

85 46.4 37.0 55.6

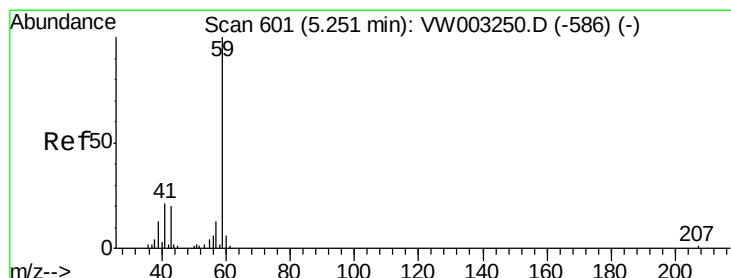
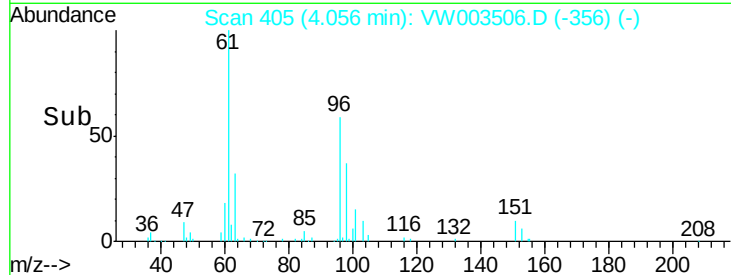
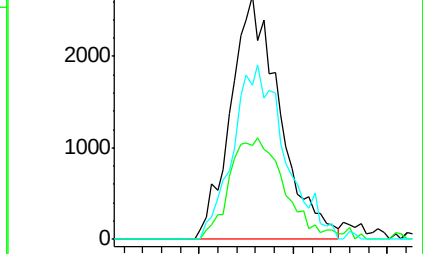
151 75.5 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 2.871 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003506.D

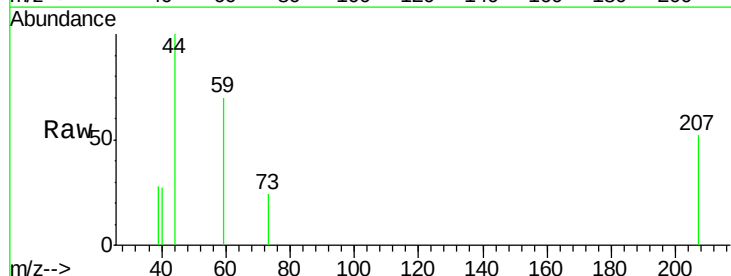
Acq: 24 Jun 2018 13:21

Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

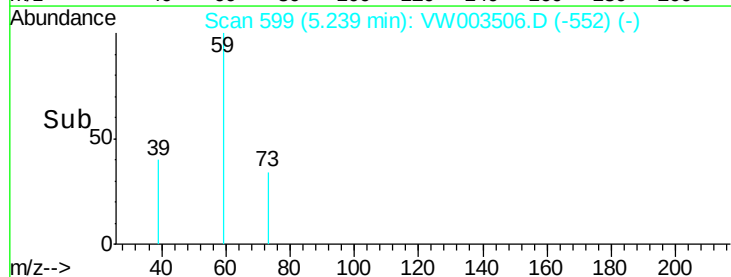
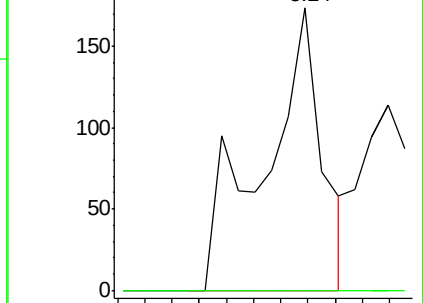
59 100

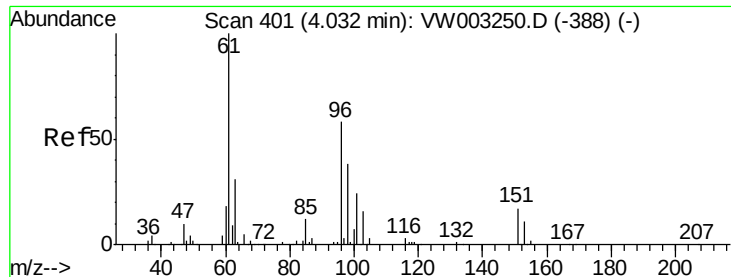
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

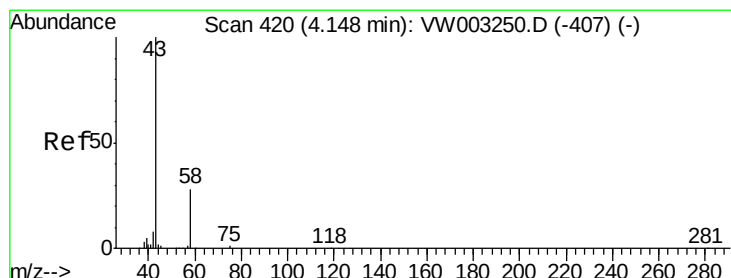
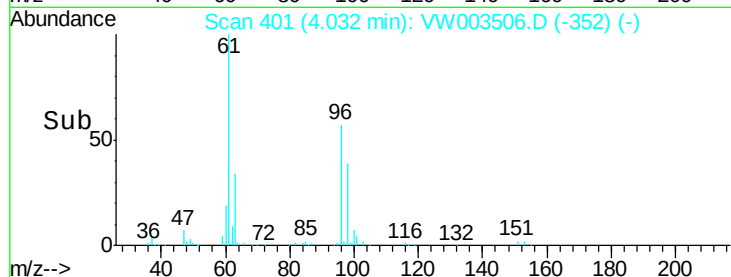
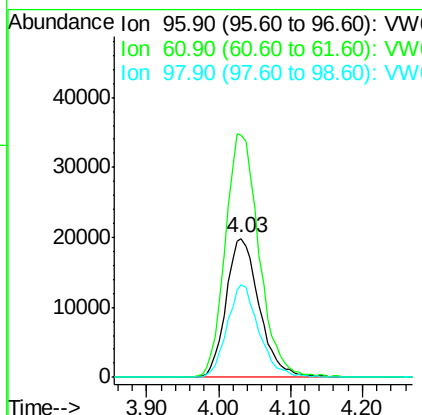
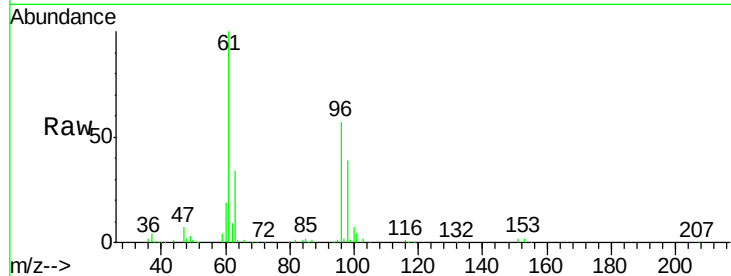




#12
 1,1-Dichloroethene
 Concen: 45.552 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

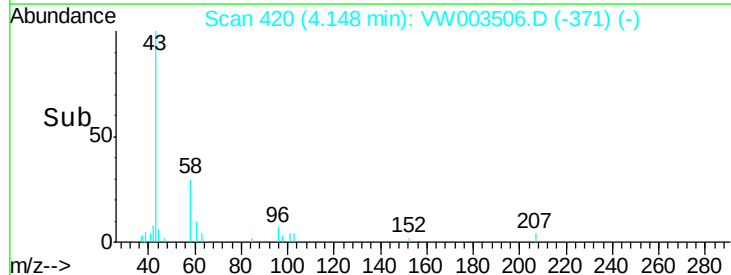
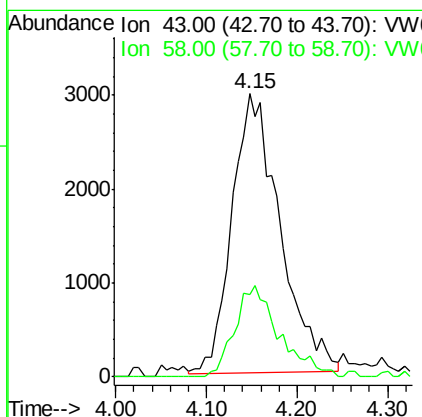
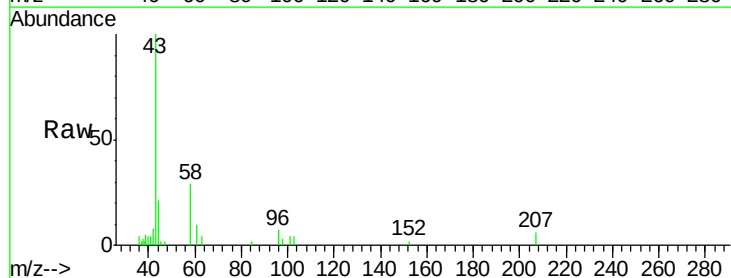
Instrument :
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 ClientSampleId :
 WP021SB484-37-39-180620

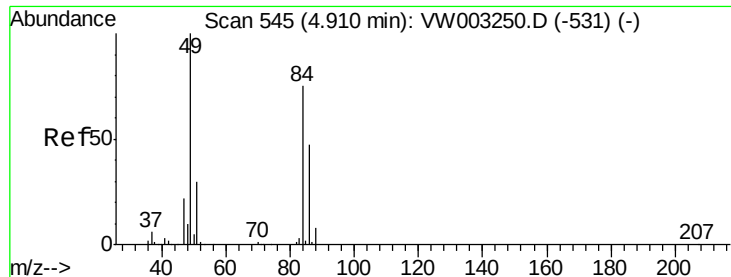
Tgt Ion: 96 Resp: 63548
 Ion Ratio Lower Upper
 96 100
 61 174.4 139.0 208.4
 98 67.2 53.3 79.9



#16
 Acetone
 Concen: 31.261 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Tgt Ion: 43 Resp: 10944
 Ion Ratio Lower Upper
 43 100
 58 29.6 22.6 34.0





#20

Methylene Chloride

Concen: 1.926 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW003506.D

Acq: 24 Jun 2018 13:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB484-37-39-180620

Tgt Ion: 84 Resp: 8113

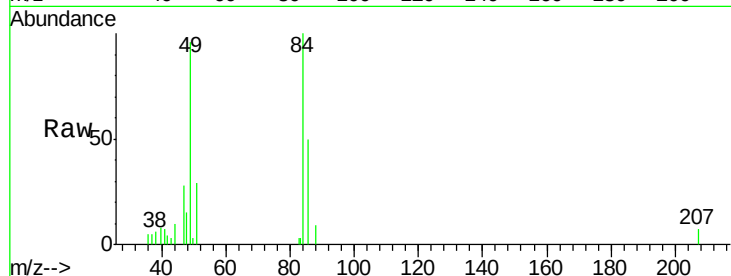
Ion Ratio Lower Upper

84 100

49 96.3 106.3 159.5#

51 29.4 32.0 48.0#

86 49.5 49.9 74.9#

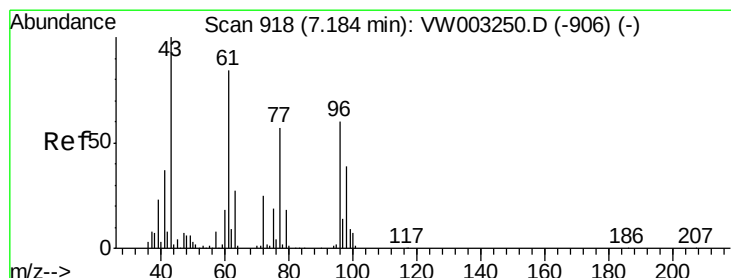
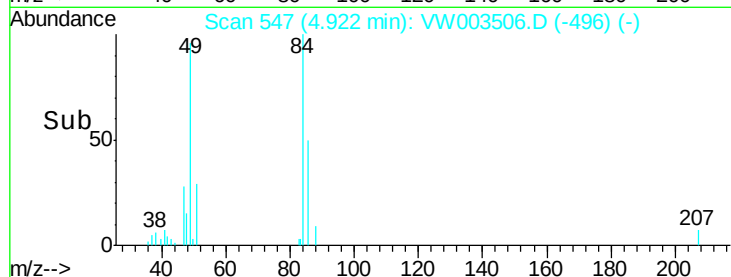
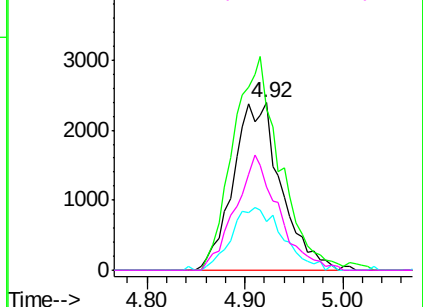


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.737 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW003506.D

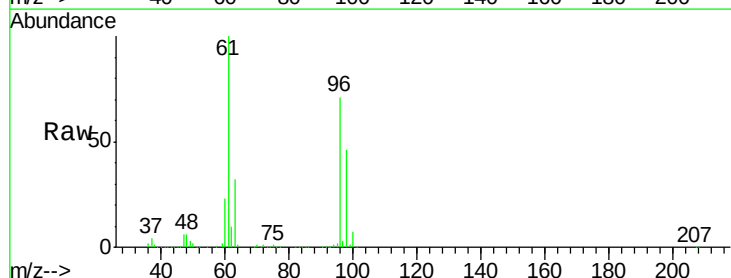
Acq: 24 Jun 2018 13:21

Tgt Ion: 43 Resp: 756

Ion Ratio Lower Upper

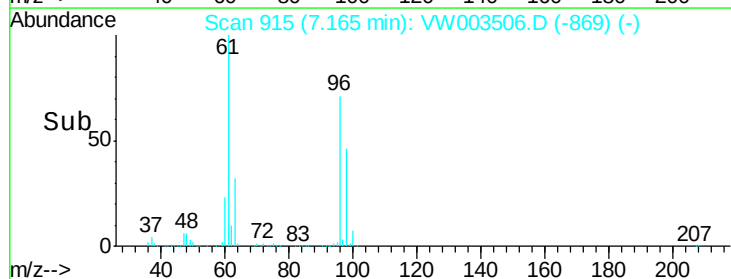
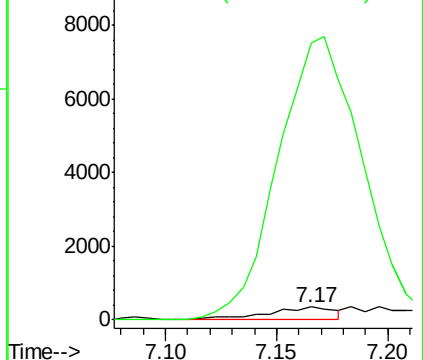
43 100

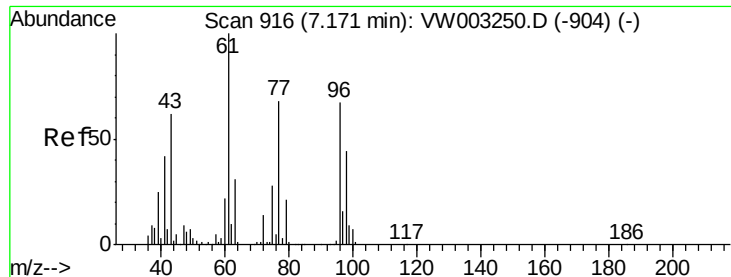
72 2149.1 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





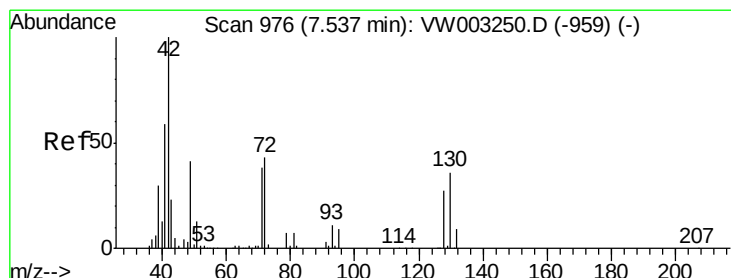
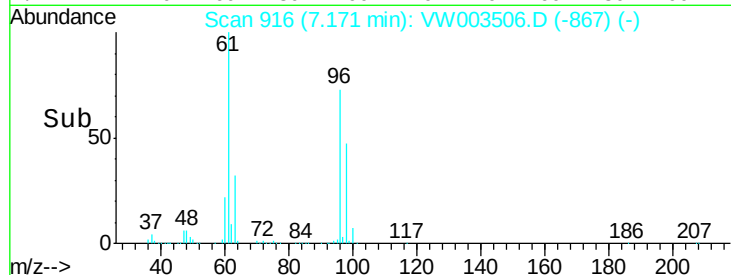
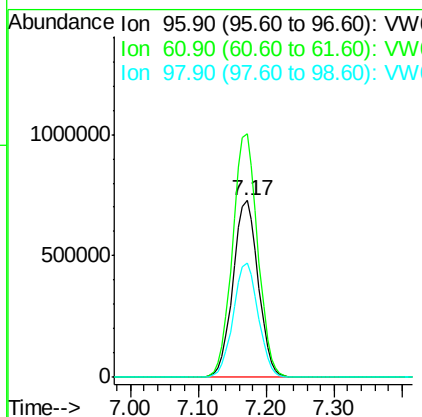
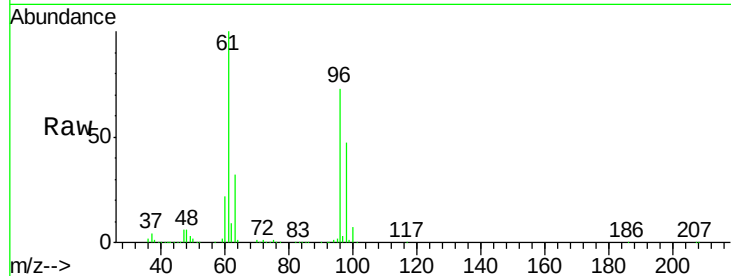
#27

cis-1,2-Dichloroethene
 Concen: 1126.541 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB484-37-39-180620

Tgt Ion: 96 Resp: 1878932

Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	298.8
98	64.1	0.0	130.4

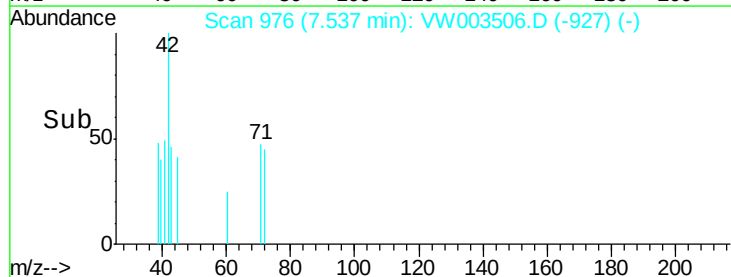
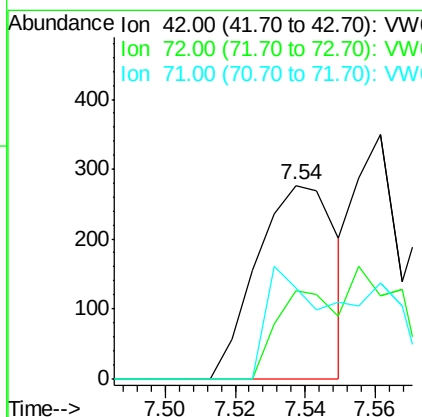
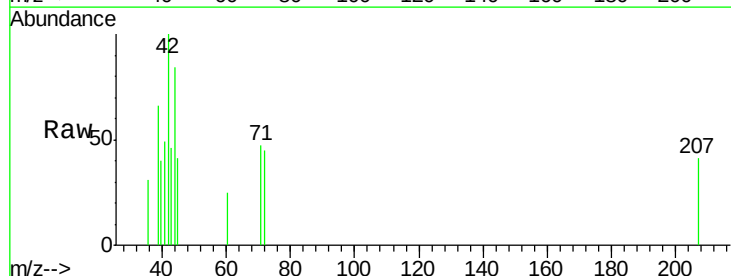


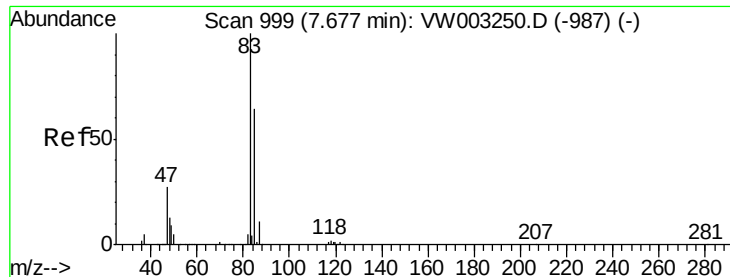
#29

Tetrahydrofuran
 Concen: 1.643 ug/l
 RT: 7.54 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Tgt Ion: 42 Resp: 437

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	32.5	31.2	46.8

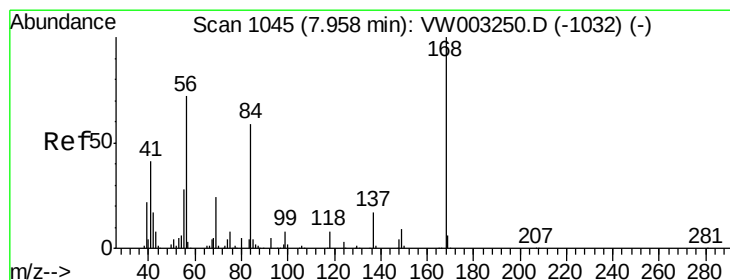
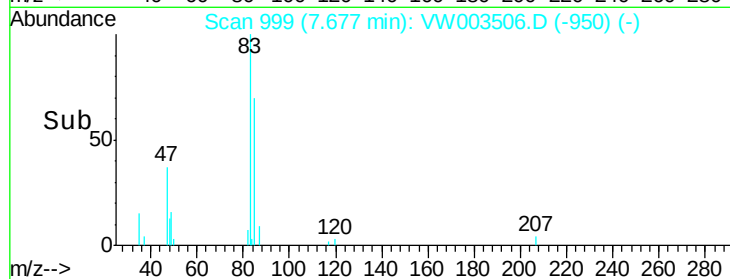
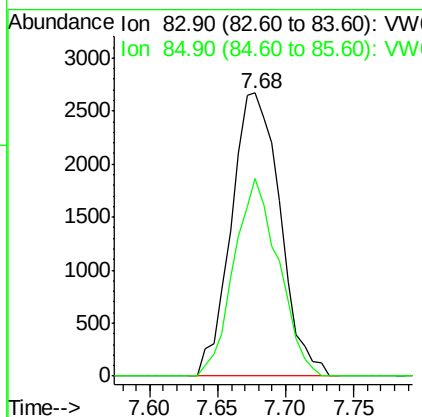
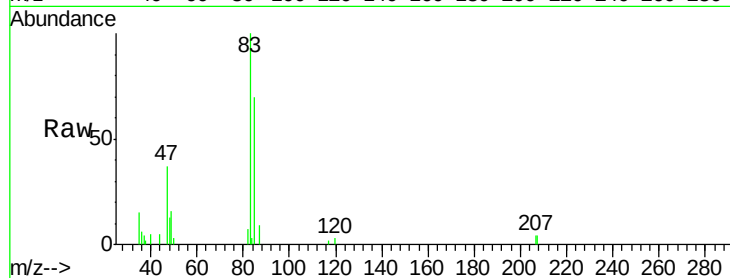




#30
Chloroform
Concen: 2.274 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003506.D
Acq: 24 Jun 2018 13:21

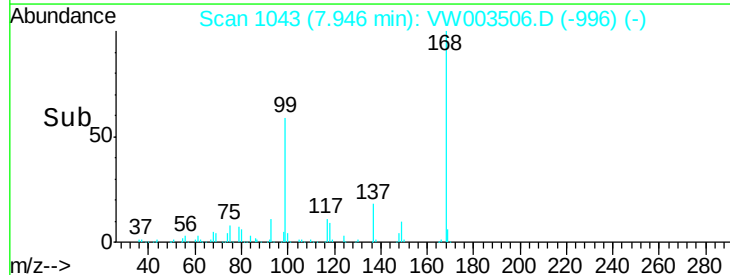
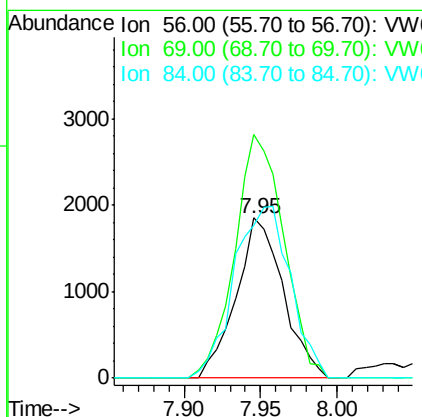
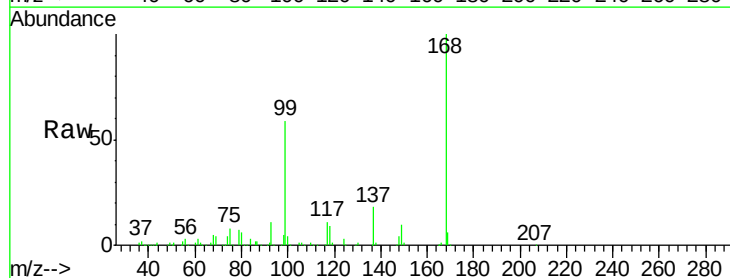
Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-37-39-180620

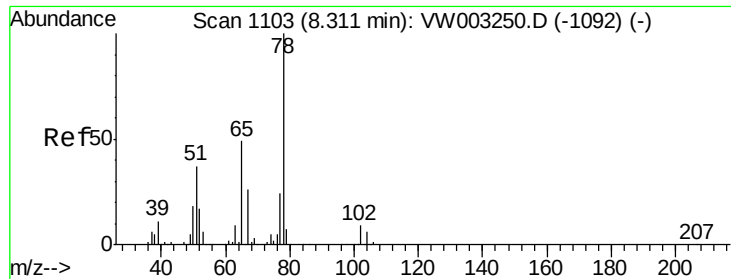
Tgt Ion: 83 Resp: 6688
Ion Ratio Lower Upper
83 100
85 69.8 51.3 76.9



#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003506.D
Acq: 24 Jun 2018 13:21

Tgt Ion: 56 Resp: 3953
Ion Ratio Lower Upper
56 100
69 152.0 26.3 39.5#
84 95.7 65.7 98.5

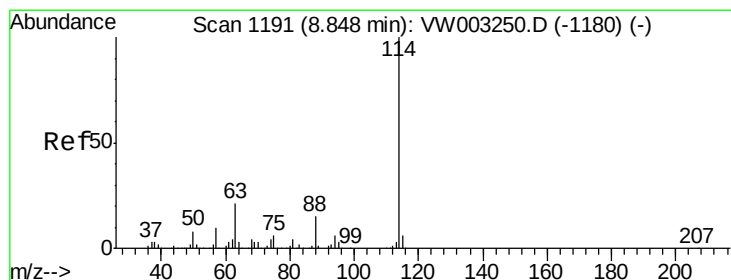
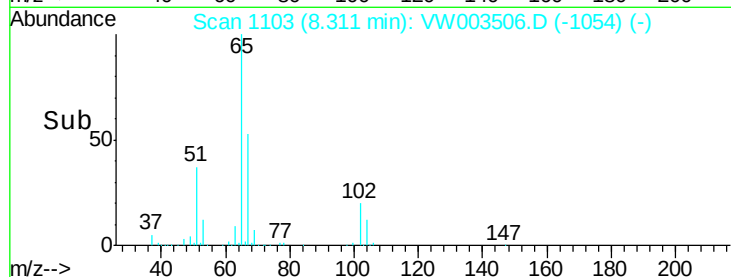
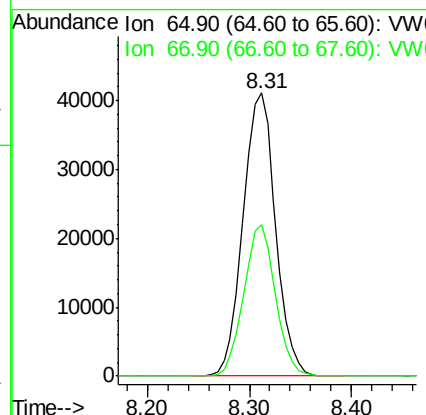
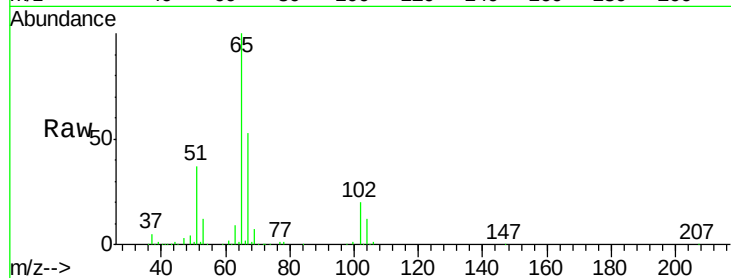




#33
 1,2-Dichloroethane-d4
 Concen: 54.397 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

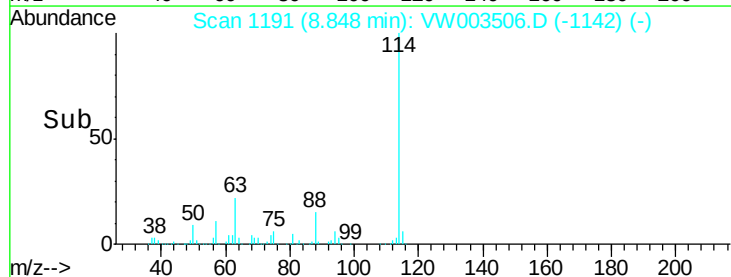
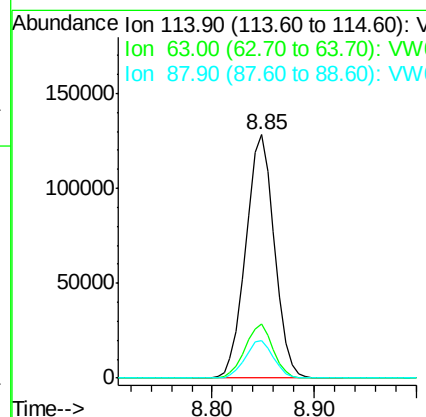
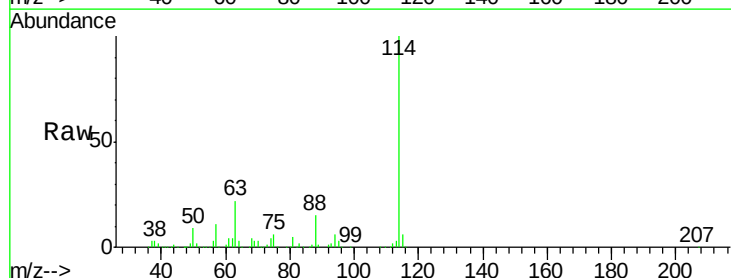
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB484-37-39-180620

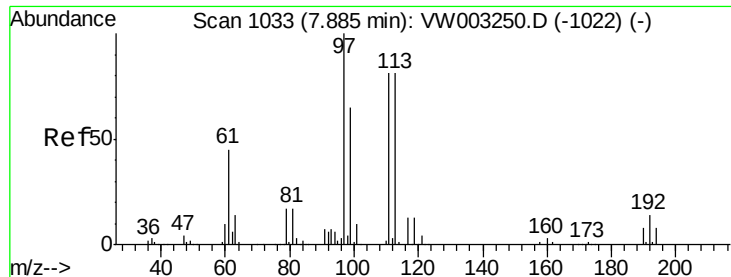
Tgt Ion: 65 Resp: 90802
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Tgt Ion: 114 Resp: 249422
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.0
 88 15.4 0.0 29.6

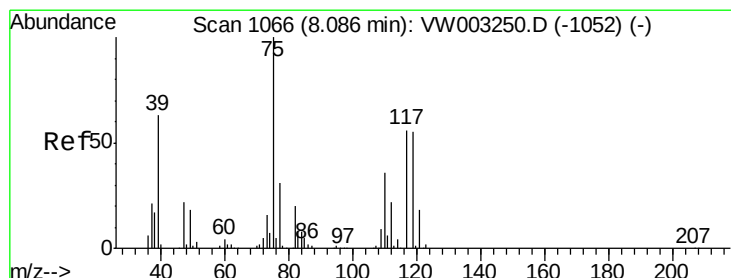
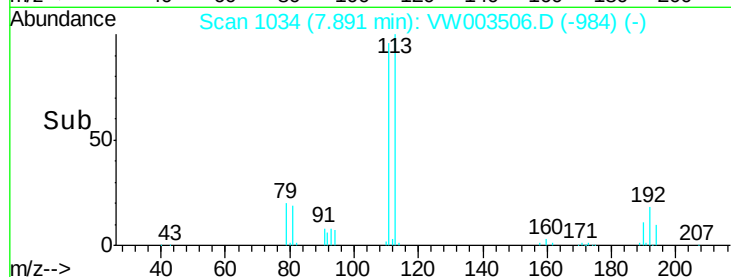
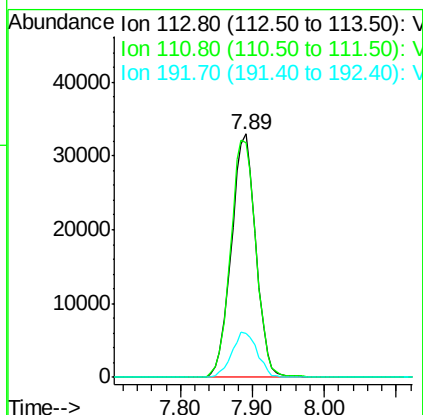
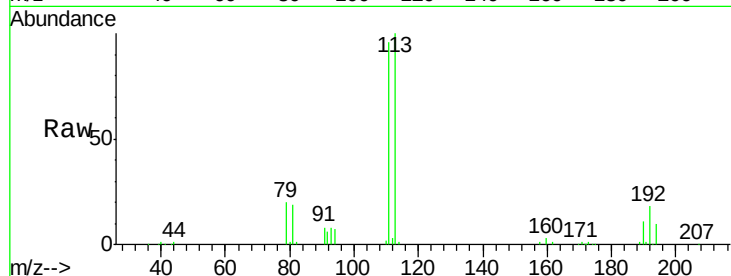




#35
 Dibromofluoromethane
 Concen: 50.172 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

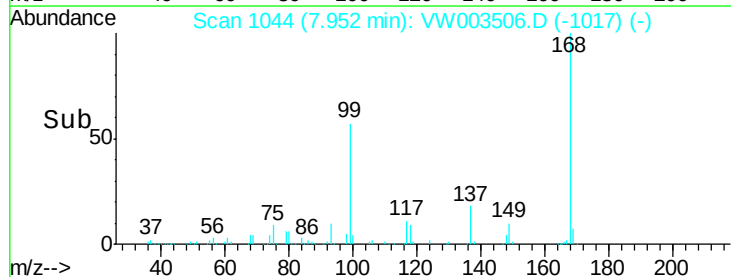
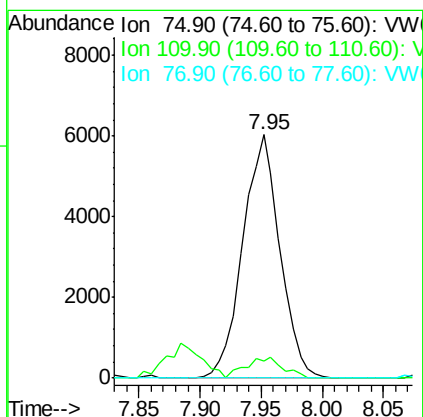
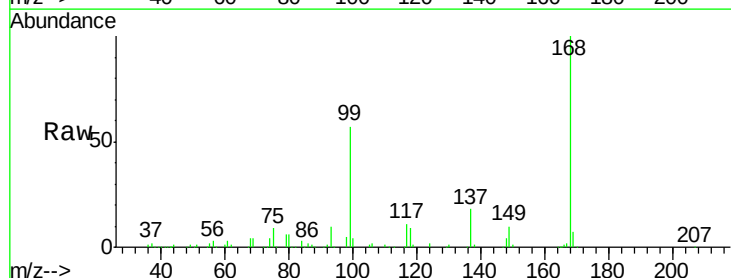
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB484-37-39-180620

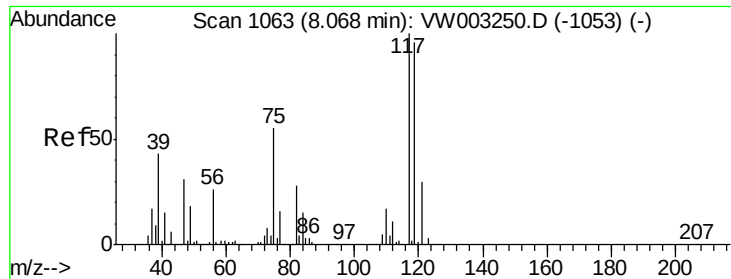
Tgt Ion:113 Resp: 77758
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.2 123.2
 192 19.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.287 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Tgt Ion: 75 Resp: 12734
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.660 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003506.D

Acq: 24 Jun 2018 13:21

Instrument :

MSVOA_W

ClientSampleId :

WP021SB484-37-39-180620

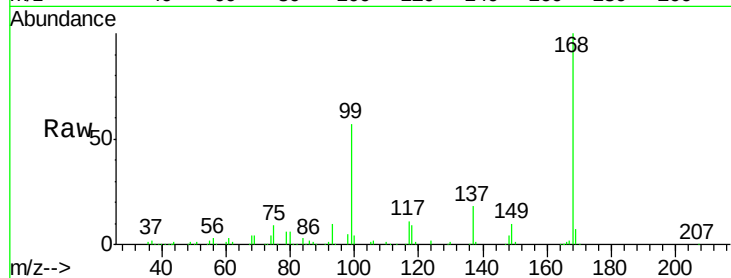
Tgt Ion: 117 Resp: 15735

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

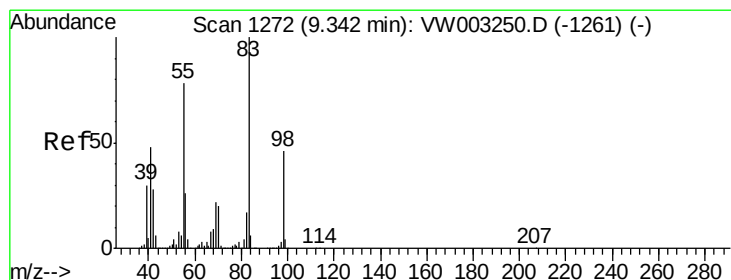
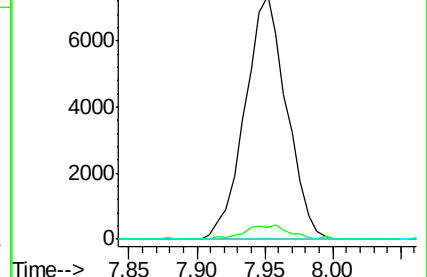
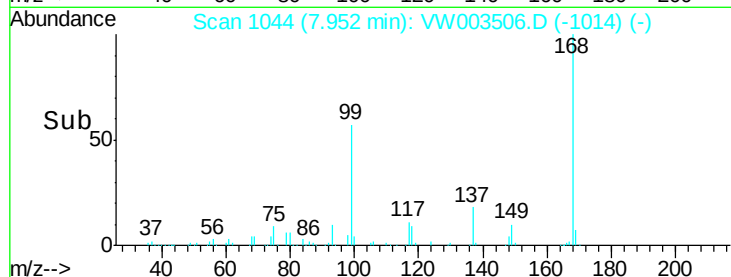
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 27.413 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.25 min

Lab File: VW003506.D

Acq: 24 Jun 2018 13:21

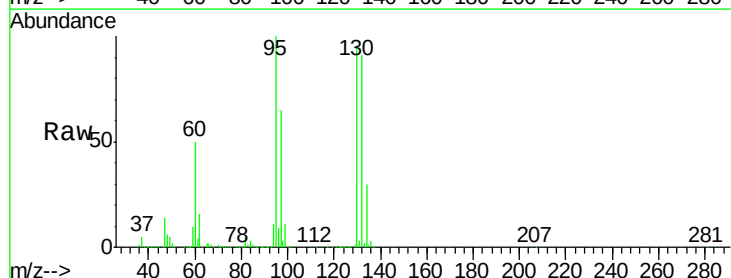
Tgt Ion: 83 Resp: 76404

Ion Ratio Lower Upper

83 100

55 0.3 62.6 93.8#

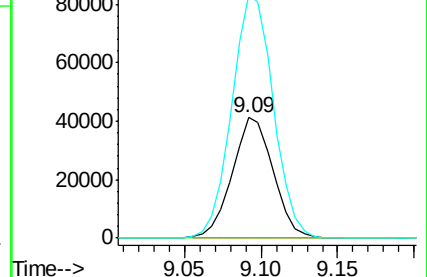
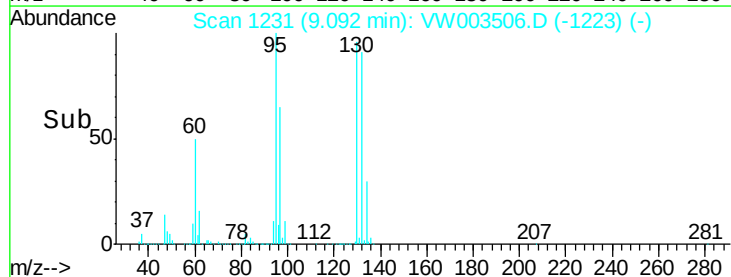
98 201.9 37.0 55.4#

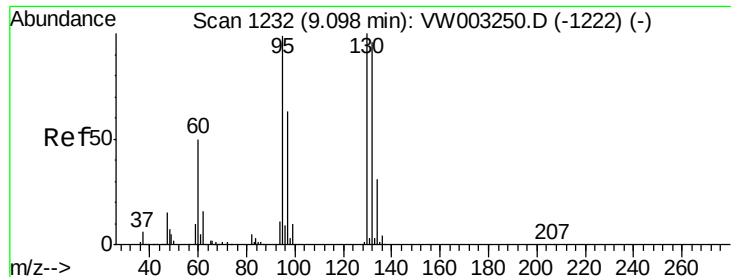


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#44

Trichloroethene

Concen: 3366.471 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003506.D

Acq: 24 Jun 2018 13:21

Instrument :

MSVOA_W

ClientSampleId :

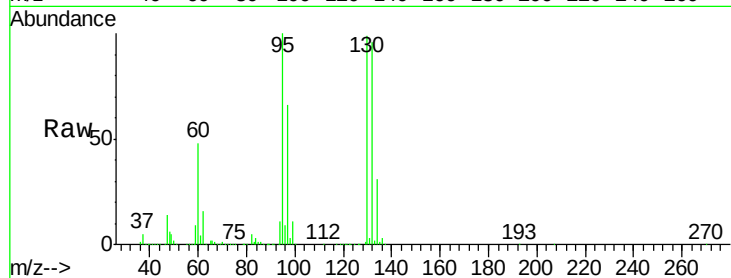
WP021SB484-37-39-180620

Tgt Ion:130 Resp: 5922802

Ion Ratio Lower Upper

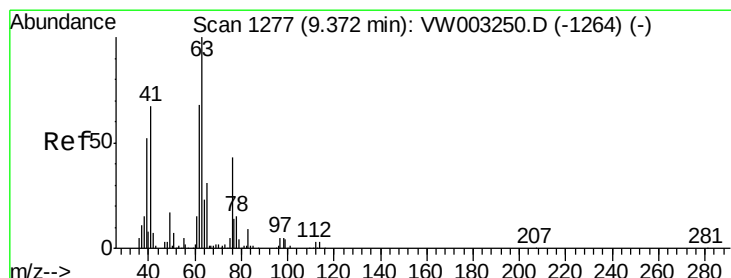
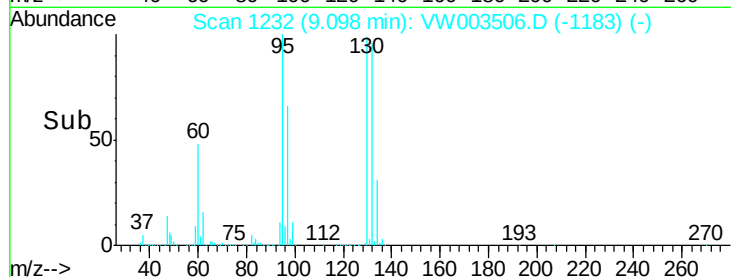
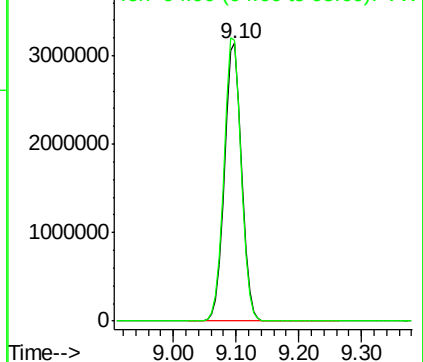
130 100

95 100.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 8.388 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.28 min

Lab File: VW003506.D

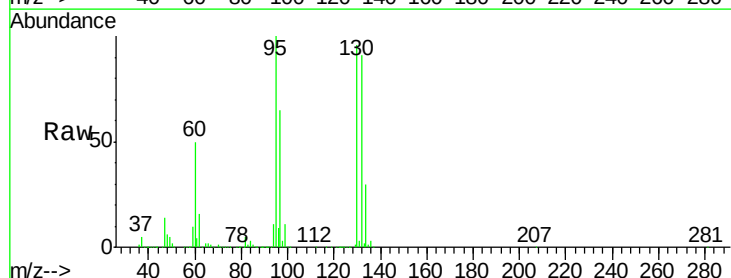
Acq: 24 Jun 2018 13:21

Tgt Ion: 63 Resp: 14180

Ion Ratio Lower Upper

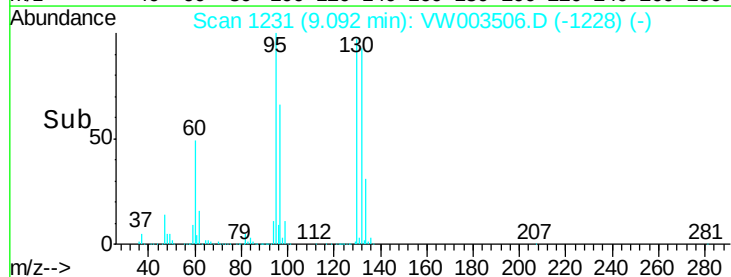
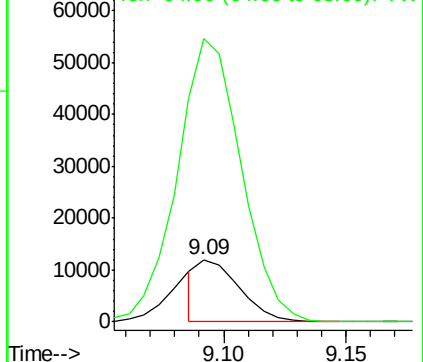
63 100

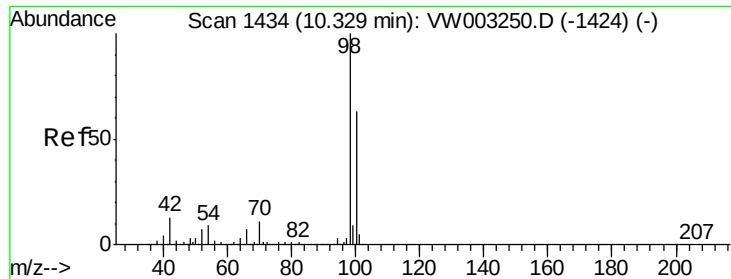
65 455.3 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

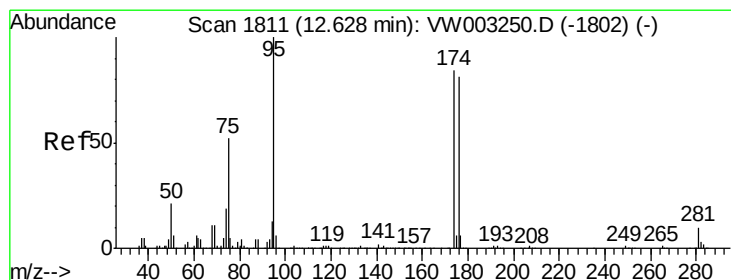
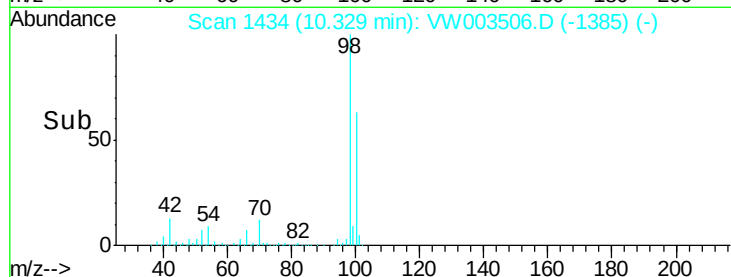
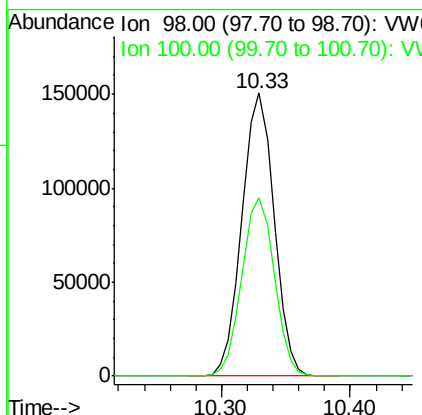
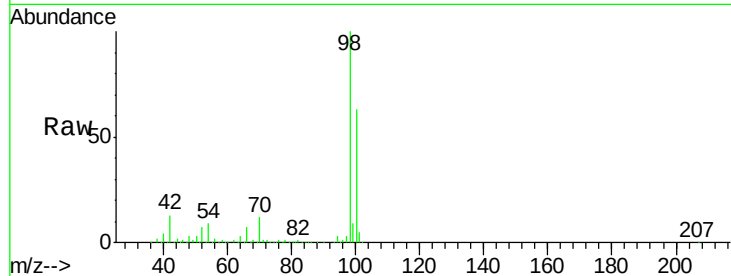




#50
Toluene-d8
Concen: 42.460 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003506.D
Acq: 24 Jun 2018 13:21

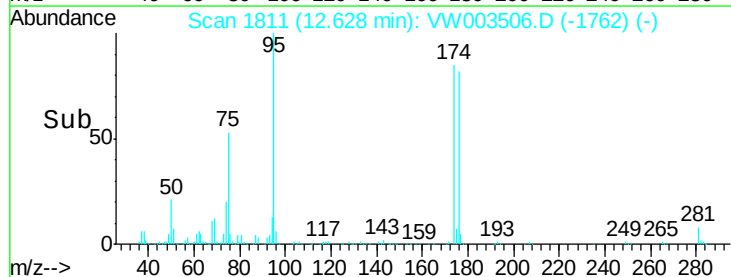
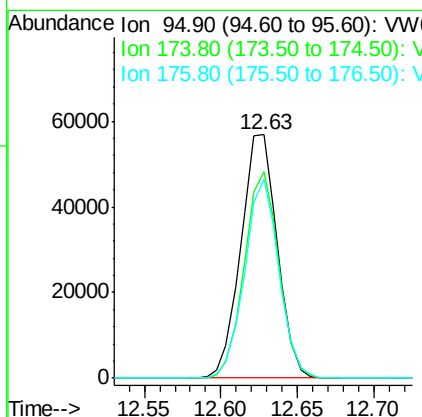
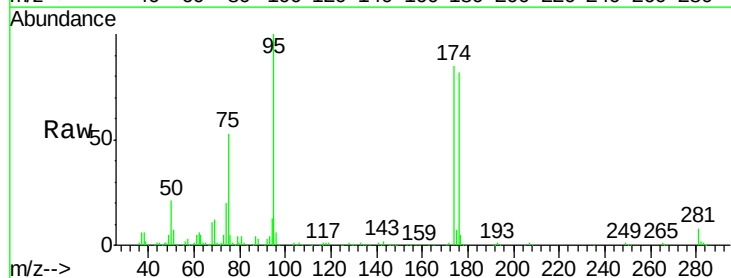
Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-37-39-180620

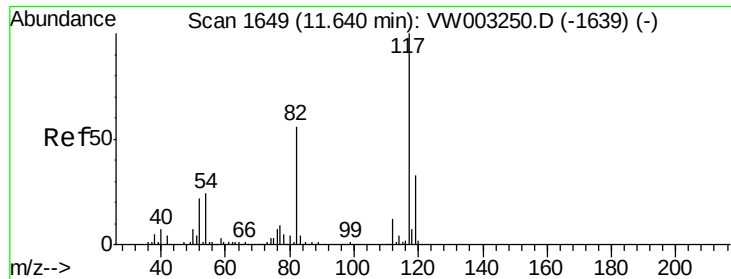
Tgt Ion: 98 Resp: 260933
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 43.114 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003506.D
Acq: 24 Jun 2018 13:21

Tgt Ion: 95 Resp: 93765
Ion Ratio Lower Upper
95 100
174 80.7 0.0 166.4
176 76.9 0.0 162.0

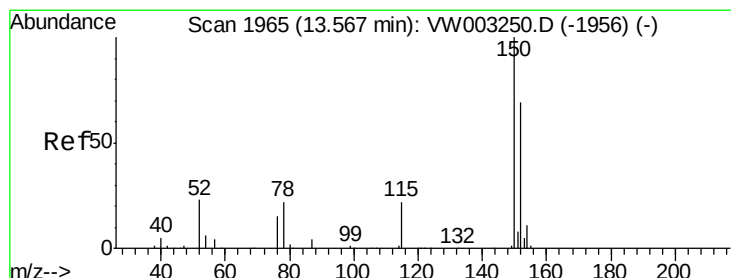
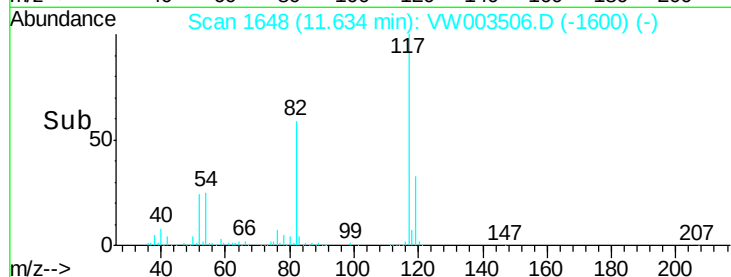
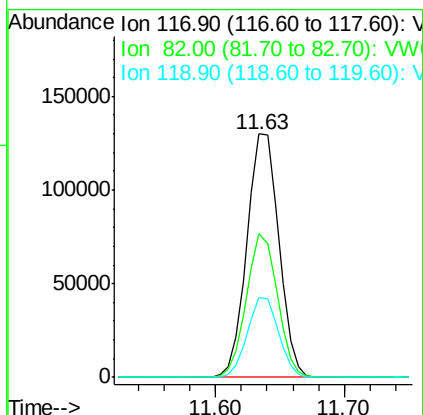
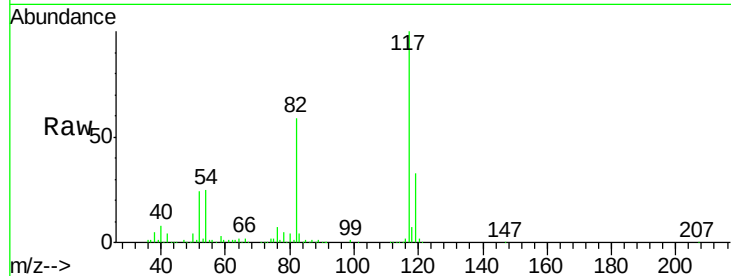




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003506.D
Acq: 24 Jun 2018 13:21

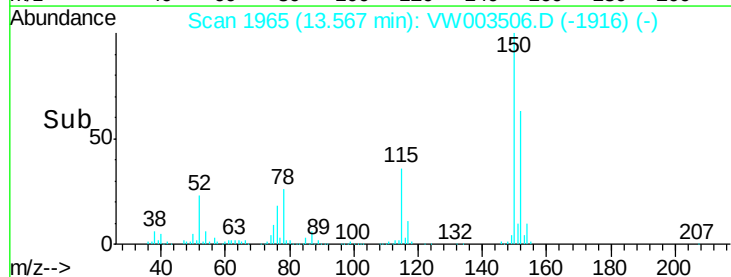
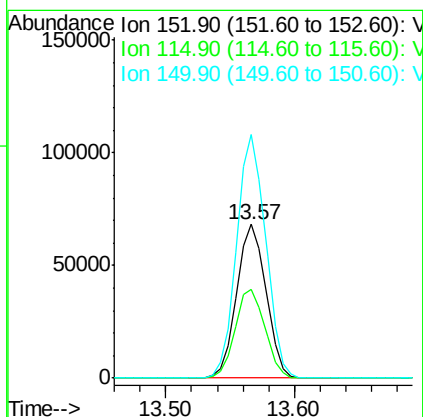
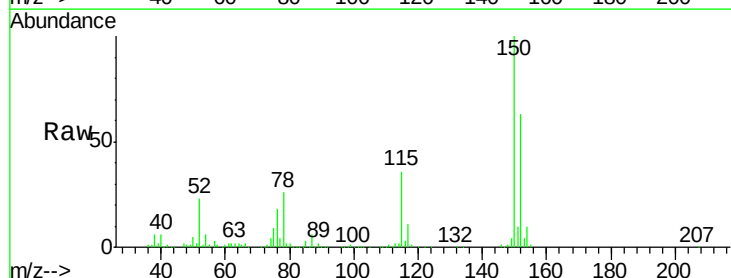
Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-37-39-180620

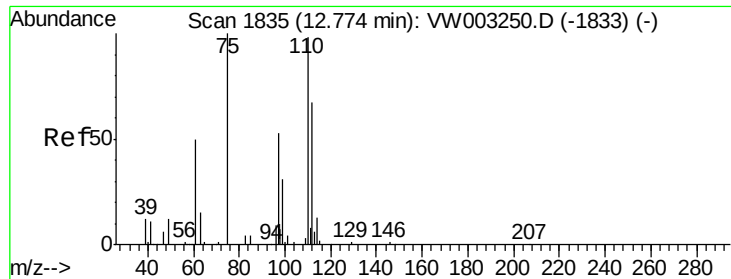
Tgt Ion:117 Resp: 222155
Ion Ratio Lower Upper
117 100
82 59.0 44.6 67.0
119 32.8 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003506.D
Acq: 24 Jun 2018 13:21

Tgt Ion:152 Resp: 107911
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 156.8 0.0 349.6

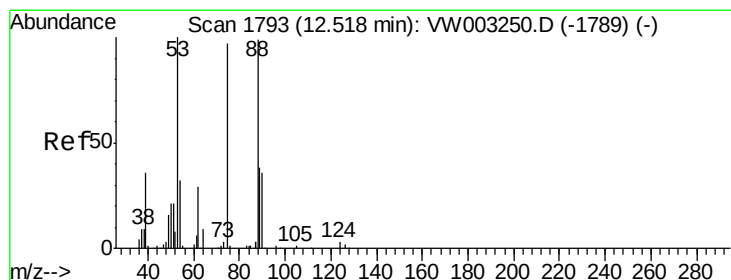
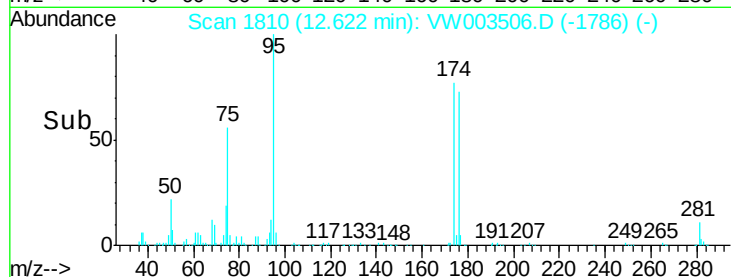
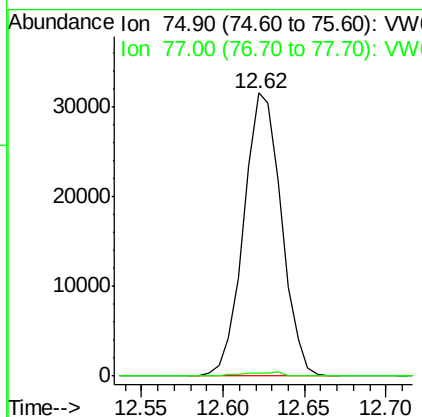
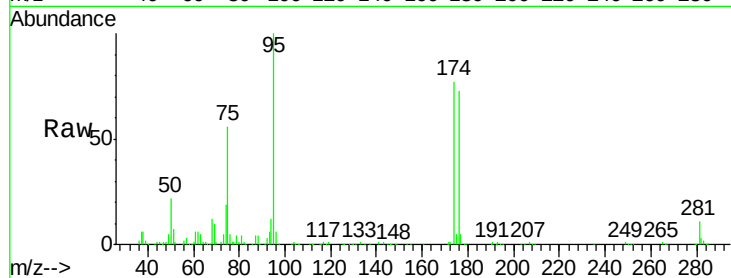




#76
 1,2,3-Trichloropropane
 Concen: 55.011 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

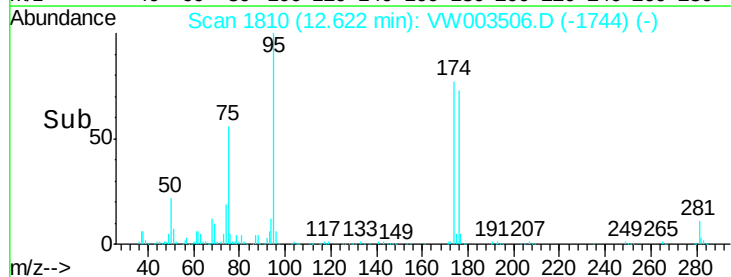
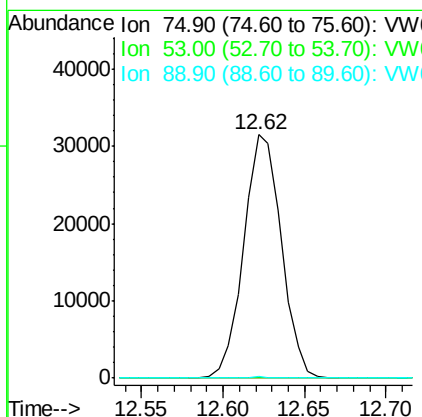
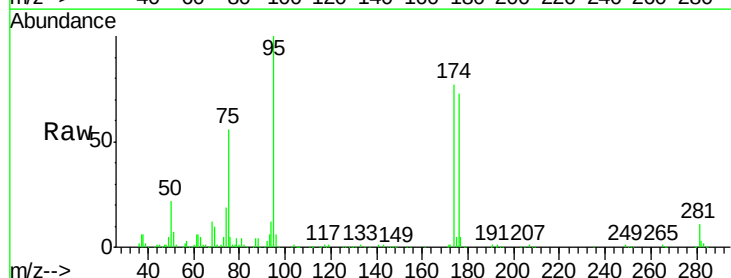
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB484-37-39-180620

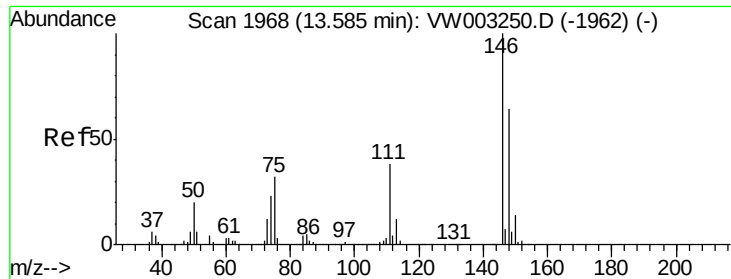
Tgt Ion: 75 Resp: 50748
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.582 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Tgt Ion: 75 Resp: 50748
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.9 124.3#
 89 0.1 36.7 55.1#

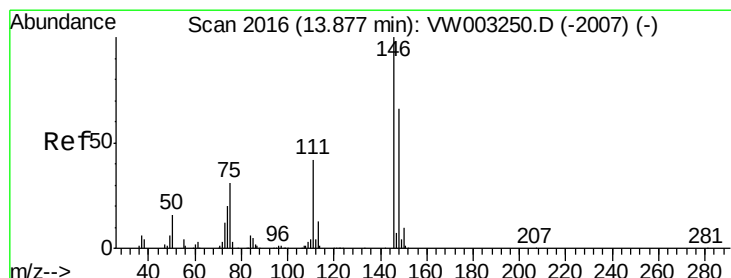
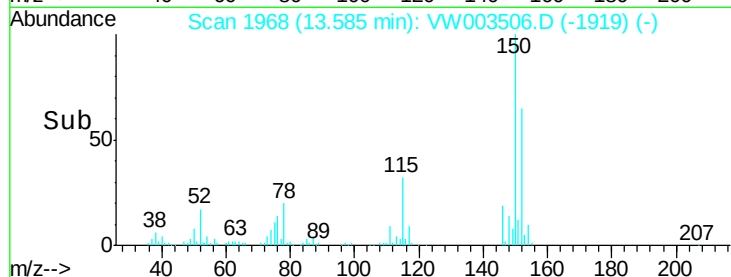
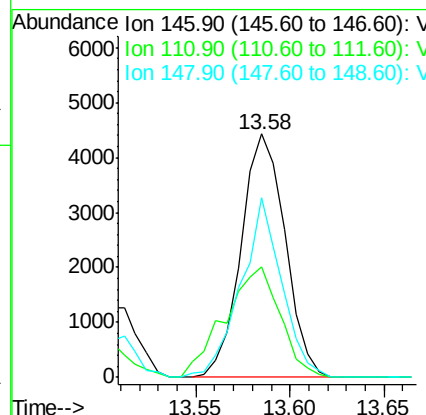
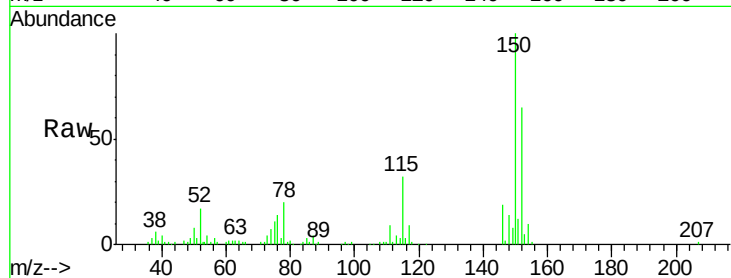




#88
 1,4-Dichlorobenzene
 Concen: 2.012 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB484-37-39-180620

Tgt Ion:146 Resp: 7182
 Ion Ratio Lower Upper
 146 100
 111 56.6 19.2 57.6
 148 68.1 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 7.657 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003506.D
 Acq: 24 Jun 2018 13:21

Tgt Ion:146 Resp: 24084
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 61.0
 148 62.7 32.3 96.9

