

Data File : VW003507.D
Acq On : 24 Jun 2018 13:47
Operator : SY/AP
Sample : J3669-09
Misc : 6.23G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-39-41-180620

Quant Time: Jun 24 23:25:43 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	152740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	250274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	109450	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	107412	64.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.84%	
35) Dibromofluoromethane	7.88	113	89026	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	
50) Toluene-d8	10.33	98	303018	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.63	95	107318	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

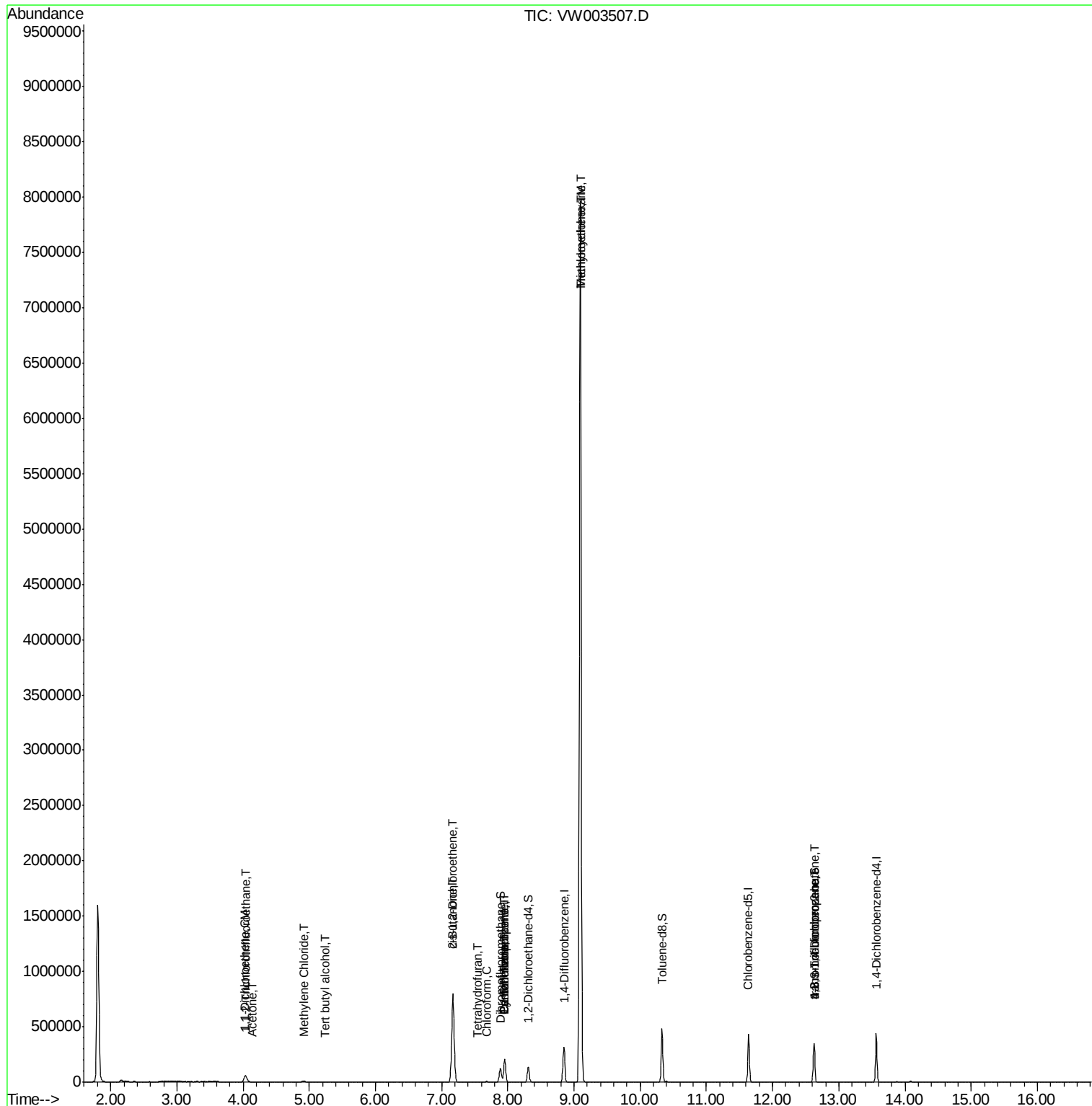
Target Compounds			Qvalue			
9) 1,1,2-Trichlorotrifluoroet	4.05	101	3624	2.561	ug/l #	73
11) Tert butyl alcohol	5.25	59	120	1.352	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	32862	23.767	ug/l	90
16) Acetone	4.14	43	6338	18.266	ug/l #	88
20) Methylene Chloride	4.92	84	7103	1.239	ug/l	93
25) 2-Butanone	7.17	43	740	1.715	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	454346	274.851	ug/l	92
29) Tetrahydrofuran	7.54	42	854	3.239	ug/l #	88
30) Chloroform	7.68	83	3896	1.336	ug/l	97
31) Cyclohexane	7.96	56	3553	1.329	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	12765	5.281	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15415	6.502	ug/l #	16
39) Methylcyclohexane	9.09	83	34228	12.239	ug/l #	1
44) Trichloroethene	9.10	130	2688381	1522.851	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	57734	61.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57734	141.983	ug/l #	8

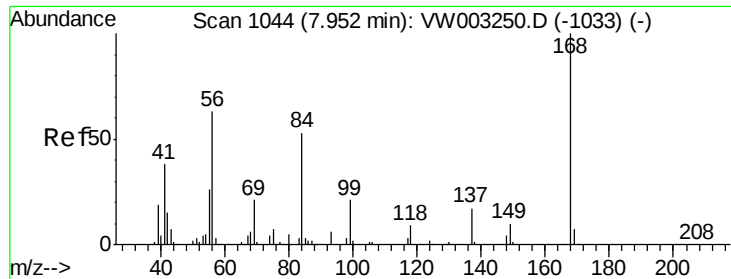
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

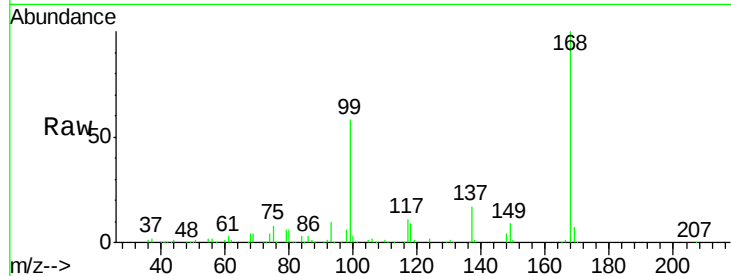
WP021SB484-39-41-180620

Tgt Ion:168 Resp: 152740

Ion Ratio Lower Upper

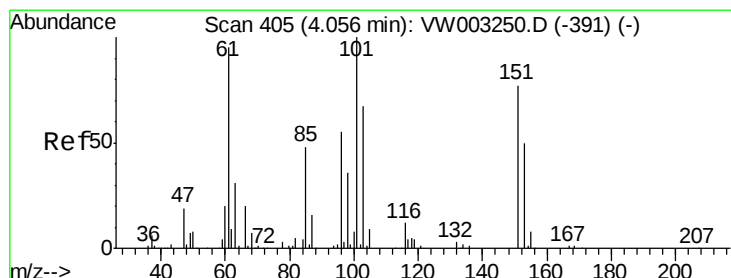
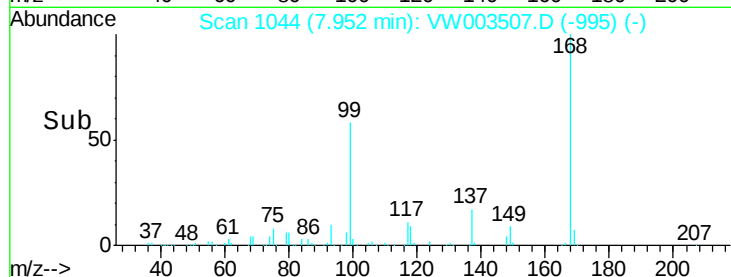
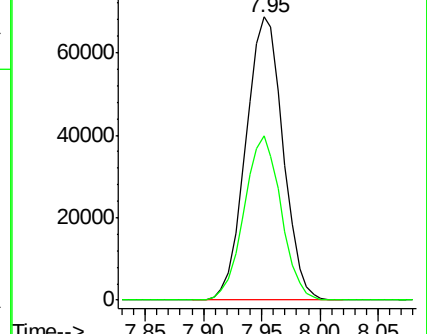
168 100

99 58.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.561 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

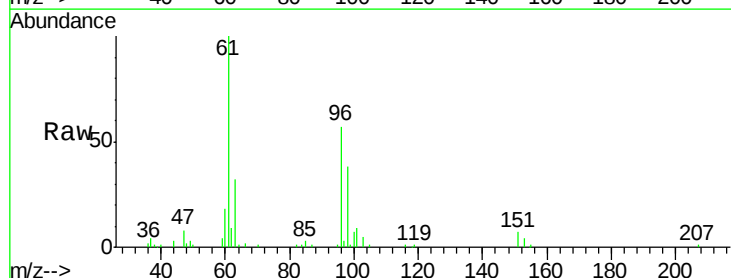
Tgt Ion:101 Resp: 3624

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

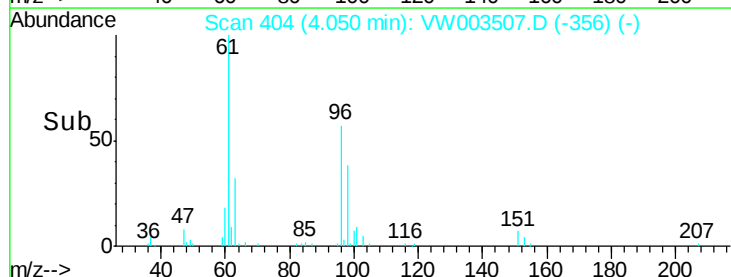
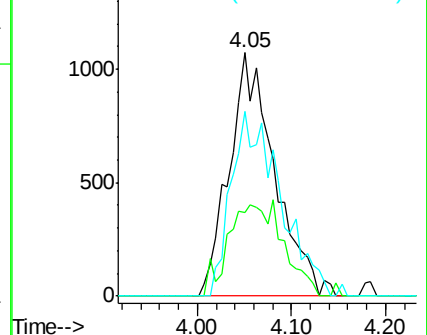
151 81.5 63.3 94.9

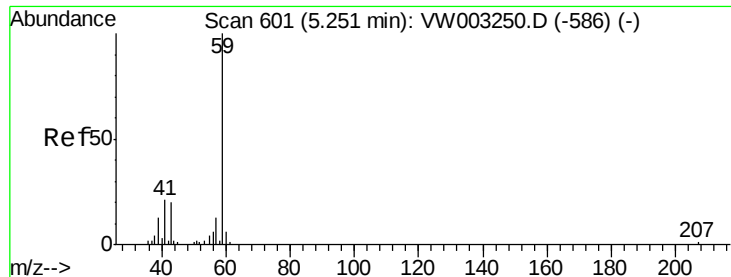


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



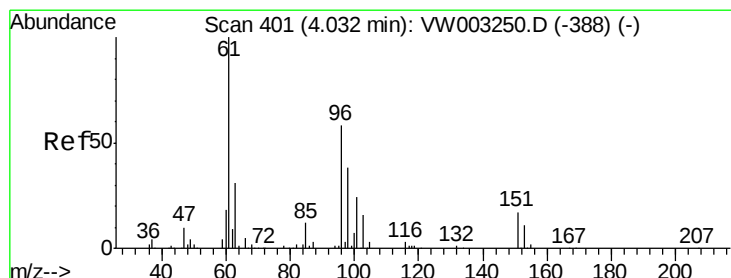
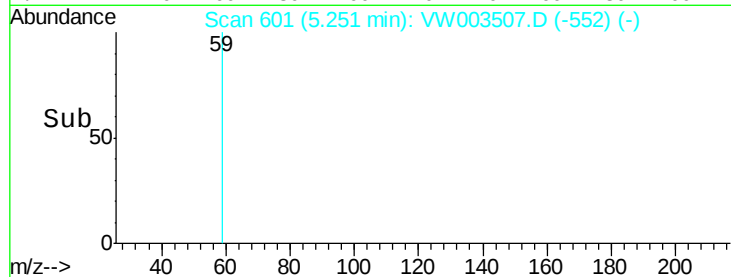
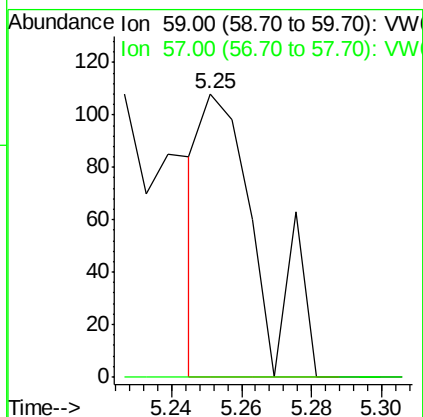
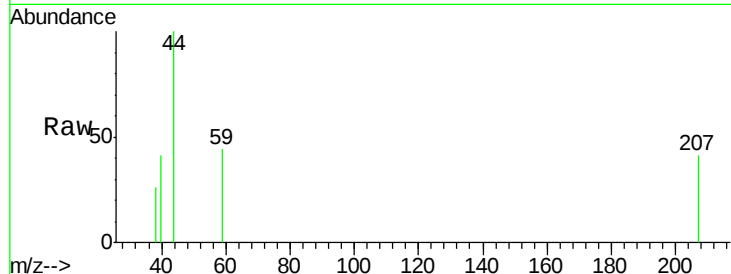


#11

Tert butyl alcohol
 Concen: 1.352 ug/l
 RT: 5.25 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: VW003507.D
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Instrument :
 MSVOA_W
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 WP021SB484-39-41-180620

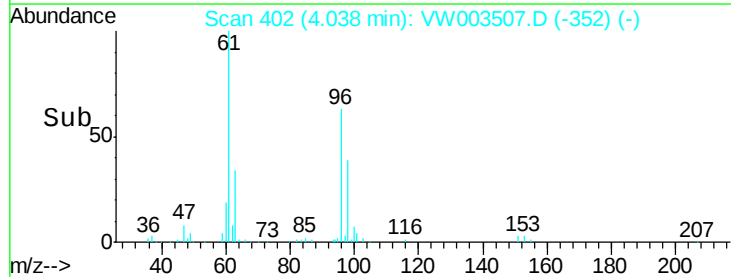
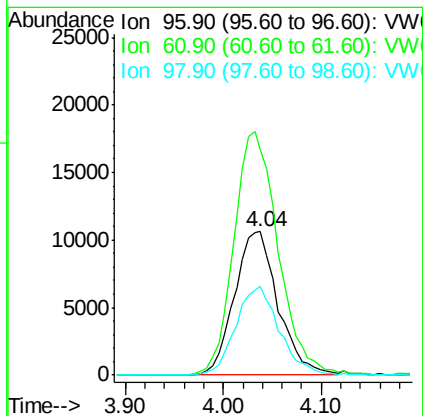
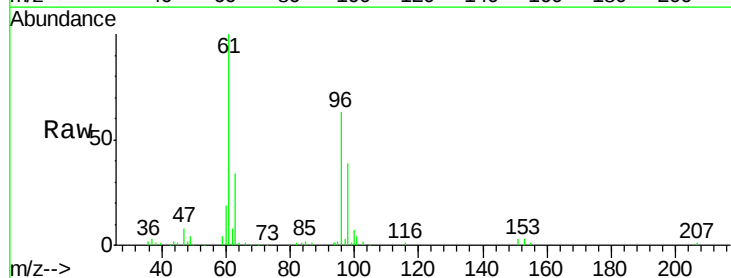
Tgt Ion: 59 Resp: 120
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.2 6.2#

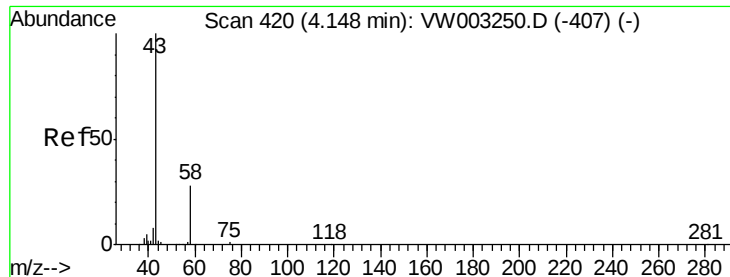


#12

1,1-Dichloroethene
 Concen: 23.767 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VW003507.D
 Acq: 24 Jun 2018 13:47

Tgt Ion: 96 Resp: 32862
 Ion Ratio Lower Upper
 96 100
 61 157.7 139.0 208.4
 98 62.0 53.3 79.9





#16

Acetone

Concen: 18.266 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

Instrument :

MSVOA_W

ClientSampleId :

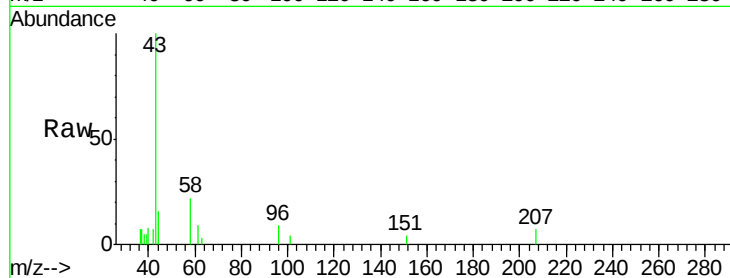
WP021SB484-39-41-180620

Tgt Ion: 43 Resp: 6338

Ion Ratio Lower Upper

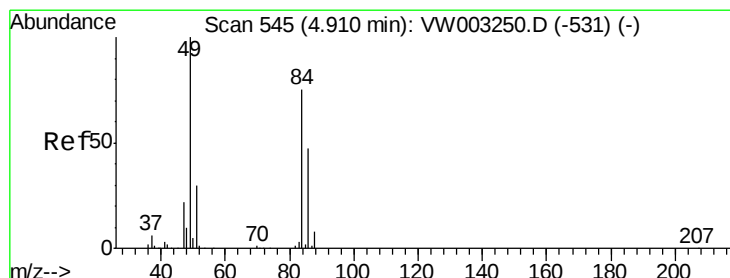
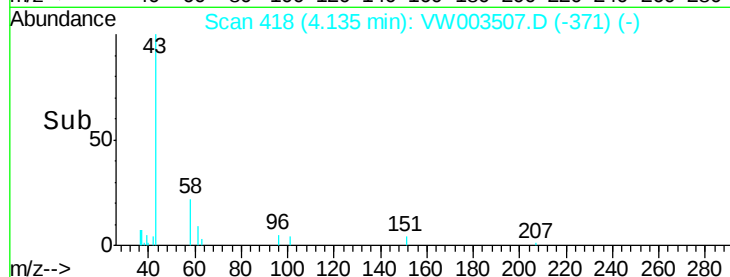
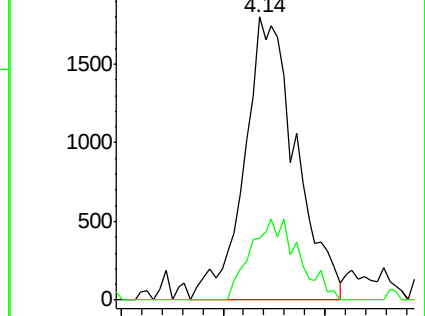
43 100

58 21.9 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.239 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

Tgt Ion: 84 Resp: 7103

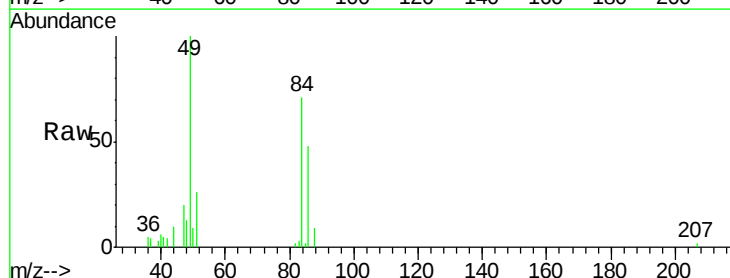
Ion Ratio Lower Upper

84 100

49 141.7 106.3 159.5

51 37.3 32.0 48.0

86 67.7 49.9 74.9

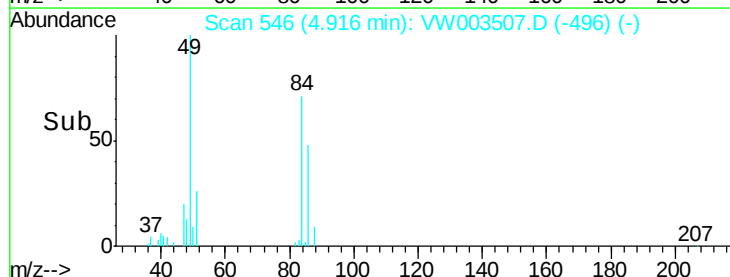
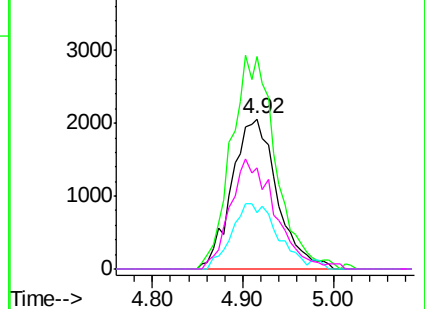


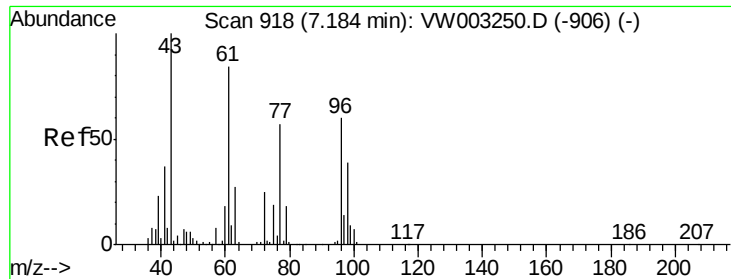
Abundance Ion 83.90 (83.60 to 84.60): VW

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

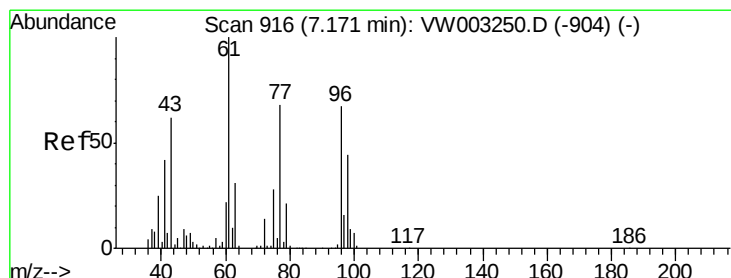
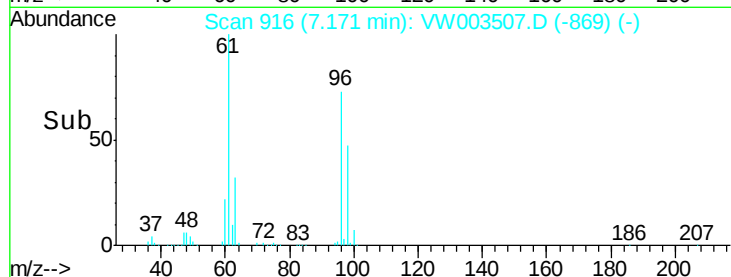
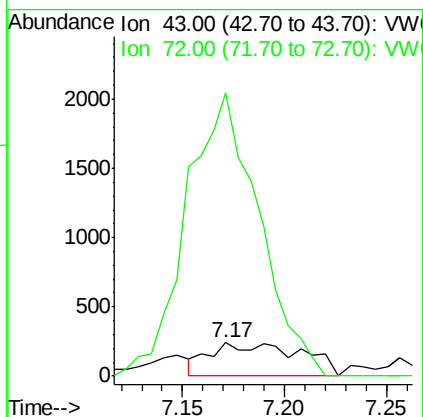
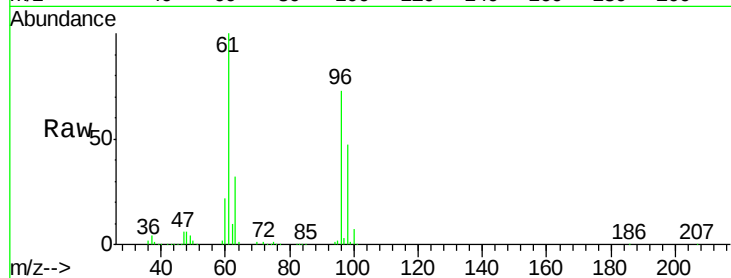




#25
2-Butanone
Concen: 1.715 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

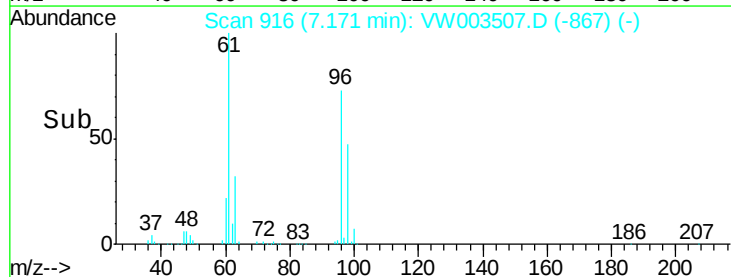
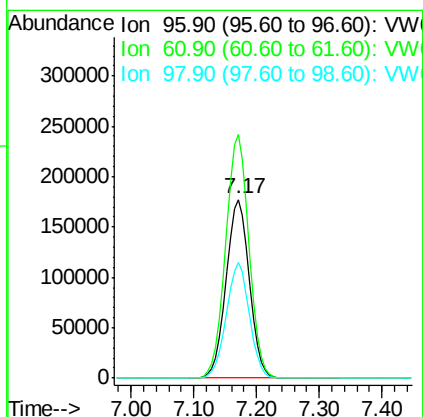
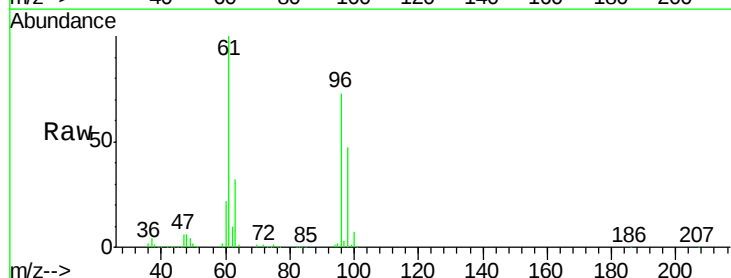
Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-39-41-180620

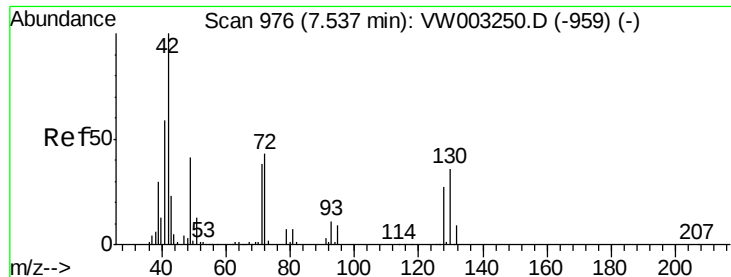
Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
72 851.2 20.3 30.5#



#27
cis-1,2-Dichloroethene
Concen: 274.851 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

Tgt Ion: 96 Resp: 454346
Ion Ratio Lower Upper
96 100
61 136.4 0.0 298.8
98 64.1 0.0 130.4





#29

Tetrahydrofuran

Concen: 3.239 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

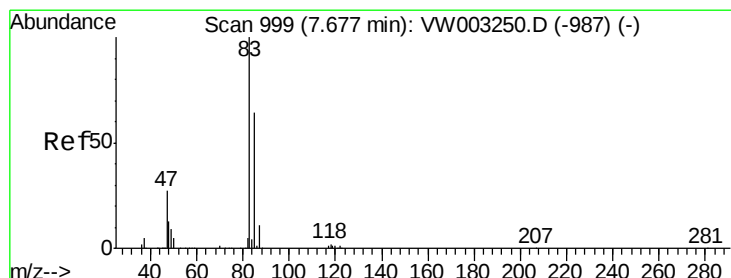
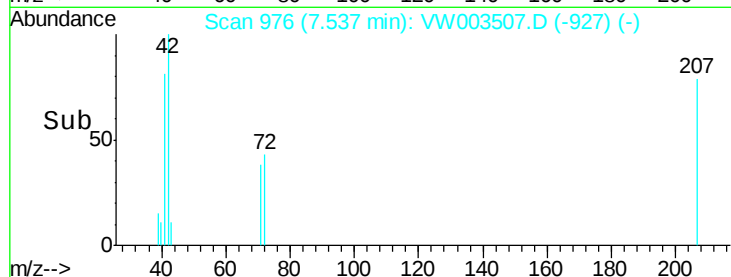
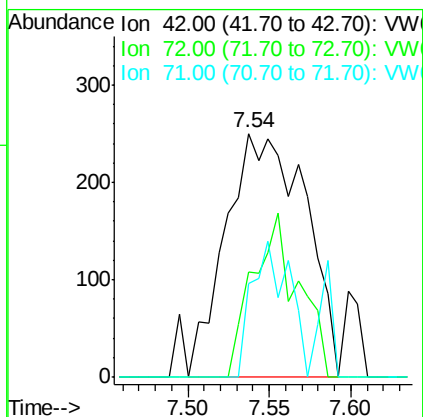
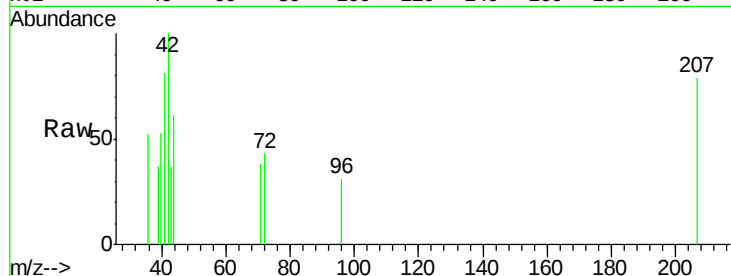
Instrument :

MSVOA_W

ClientSampleId :

WP021SB484-39-41-180620

Tgt Ion:	42	Resp:	854
Ion	Ratio	Lower	Upper
42	100		
72	38.3	32.4	48.6
71	26.0	31.2	46.8#



#30

Chloroform

Concen: 1.336 ug/l

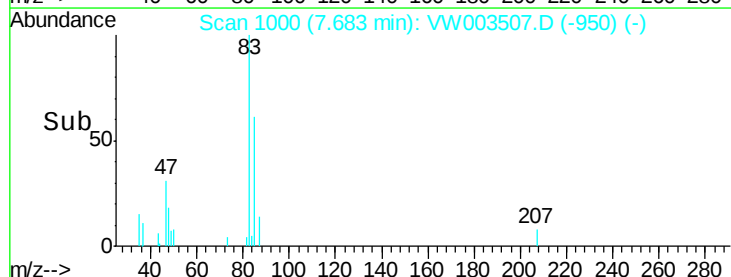
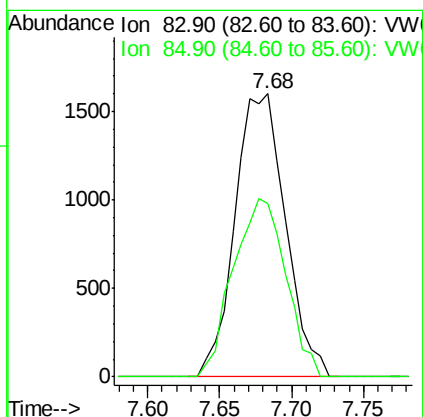
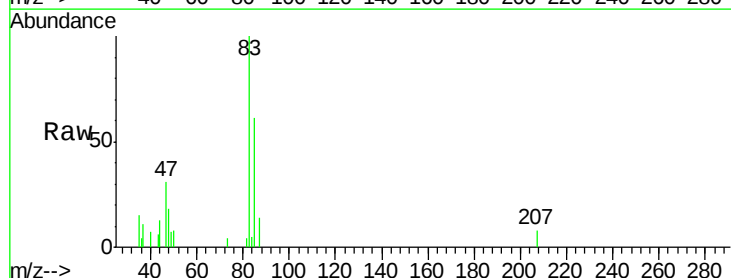
RT: 7.68 min Scan# 1000

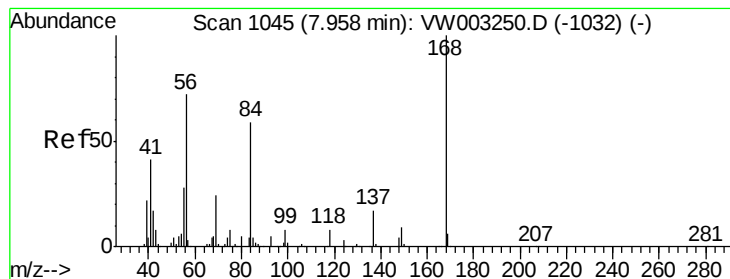
Delta R.T. 0.01 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

Tgt Ion:	83	Resp:	3896
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.3	76.9





#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

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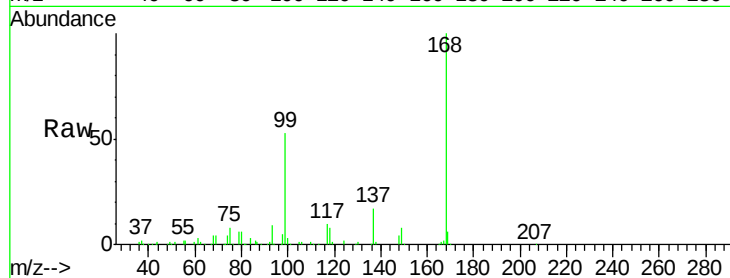
Tgt Ion: 56 Resp: 3553

Ion Ratio Lower Upper

56 100

69 157.9 26.3 39.5#

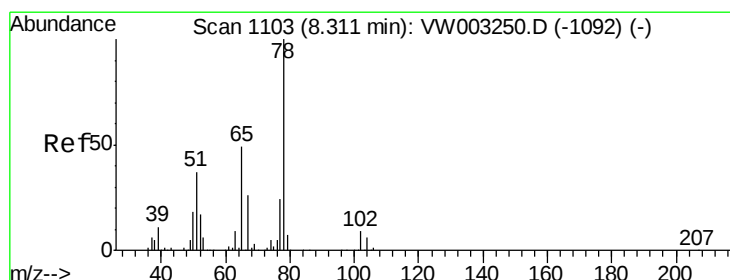
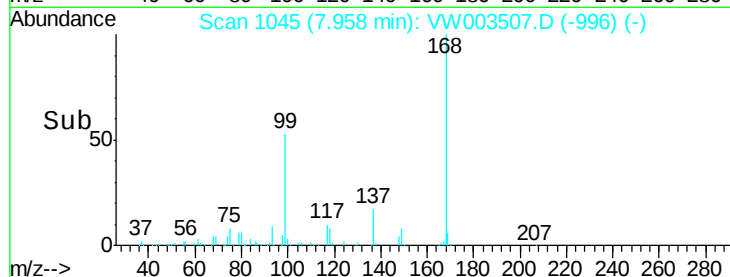
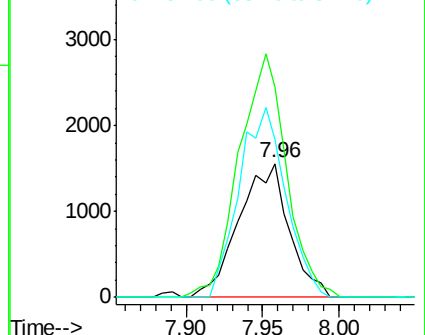
84 118.6 65.7 98.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 64.925 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003507.D

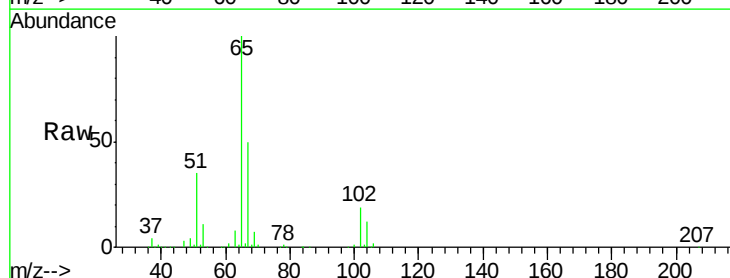
Acq: 24 Jun 2018 13:47

Tgt Ion: 65 Resp: 107412

Ion Ratio Lower Upper

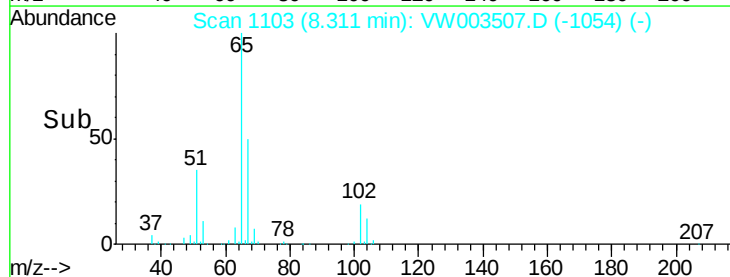
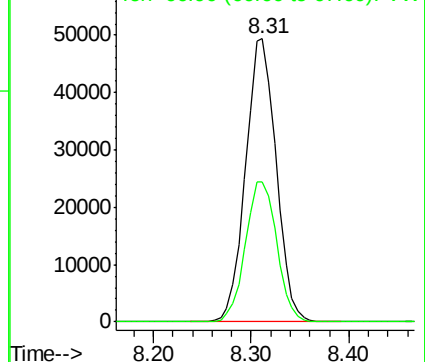
65 100

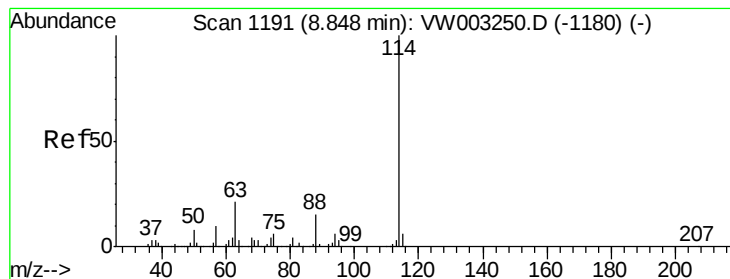
67 50.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003507.D

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WP021SB484-39-41-180620

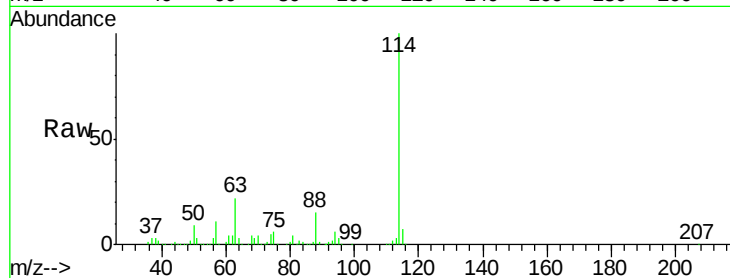
Tgt Ion:114 Resp: 250274

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

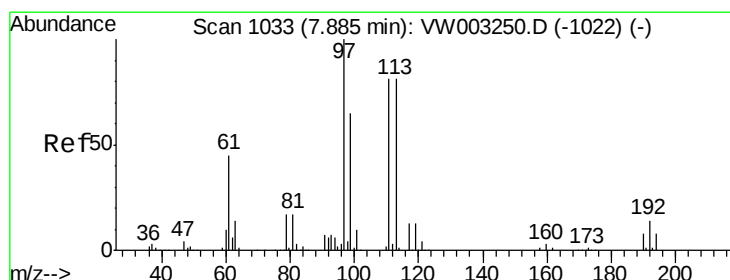
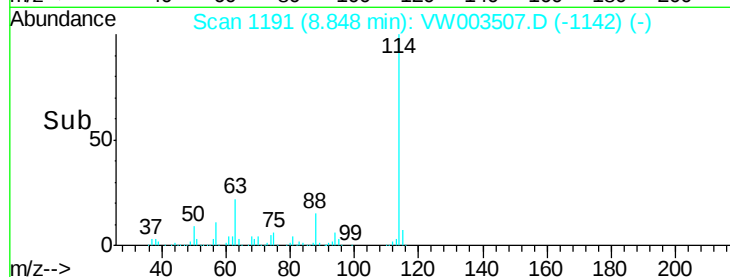
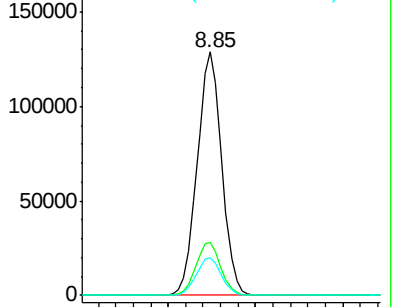
88 15.3 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 57.247 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

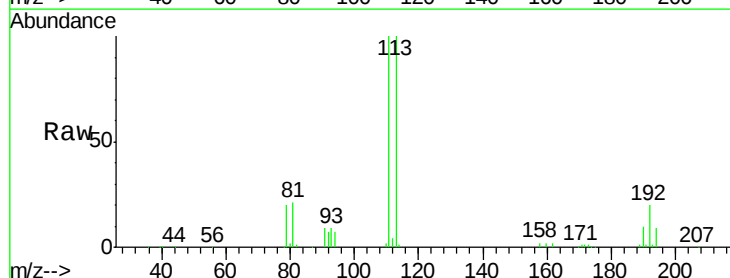
Tgt Ion:113 Resp: 89026

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

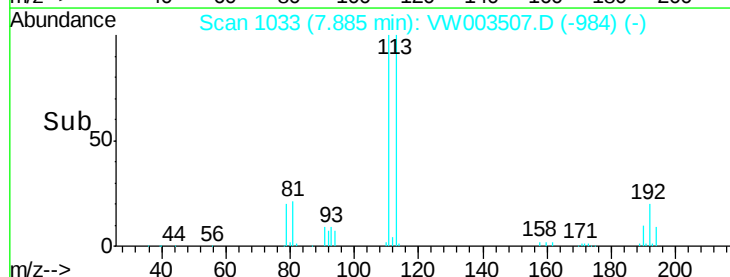
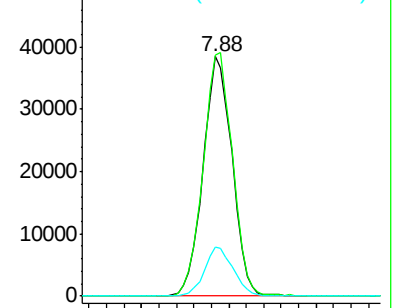
192 20.1 16.2 24.2

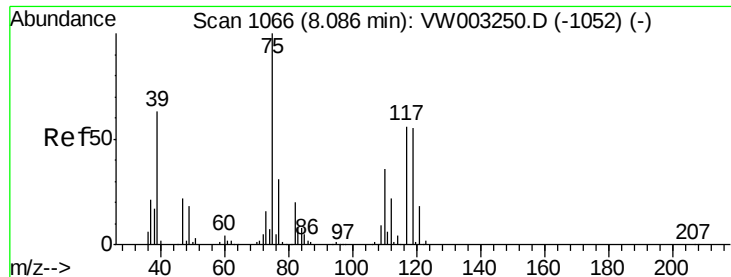


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

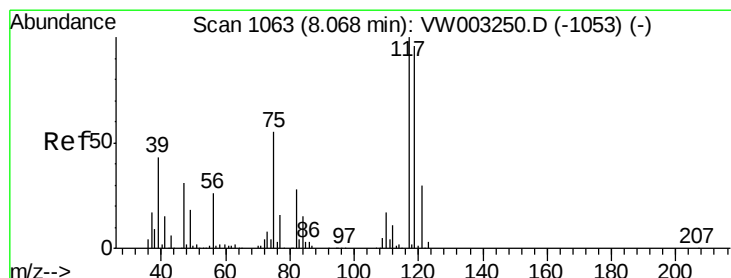
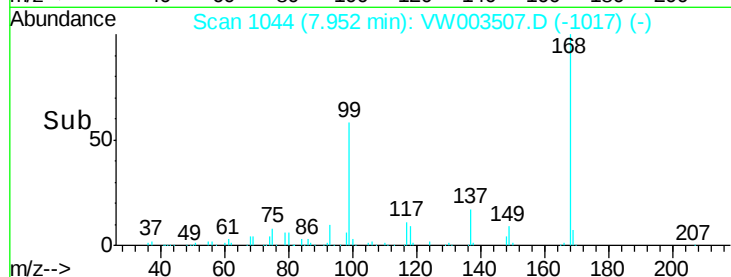
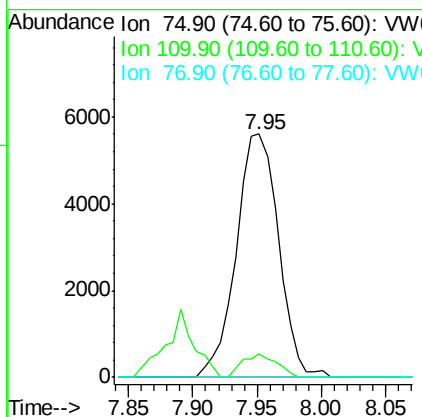
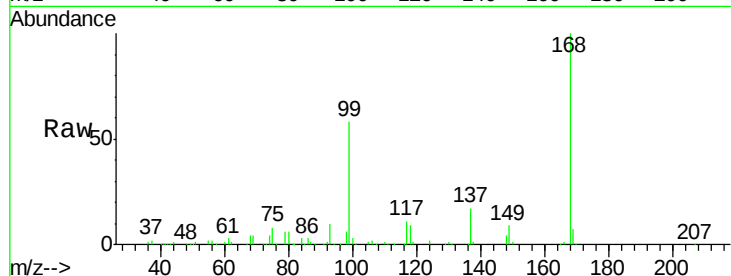




#36
 1,1-Dichloropropene
 Concen: 5.281 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003507.D
 Acq: 24 Jun 2018 13:47

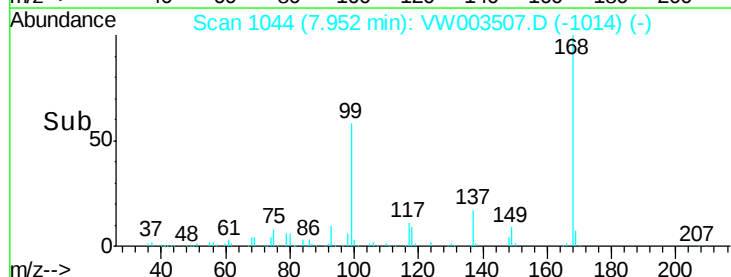
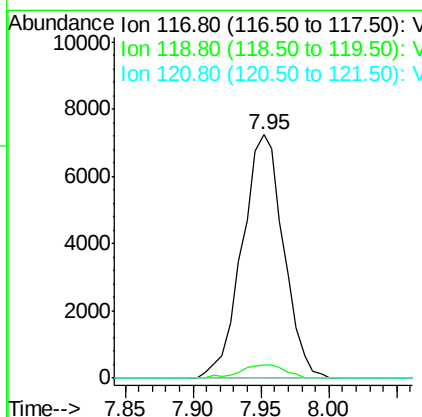
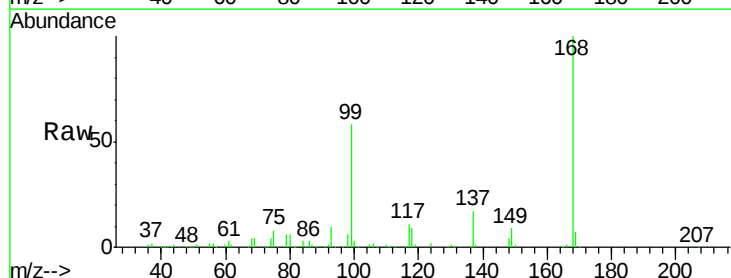
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB484-39-41-180620

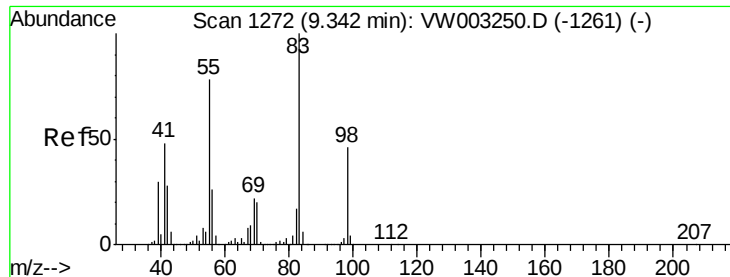
Tgt Ion: 75 Resp: 12765
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.502 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003507.D
 Acq: 24 Jun 2018 13:47

Tgt Ion: 117 Resp: 15415
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.6 115.0#
 121 0.0 23.9 35.9#

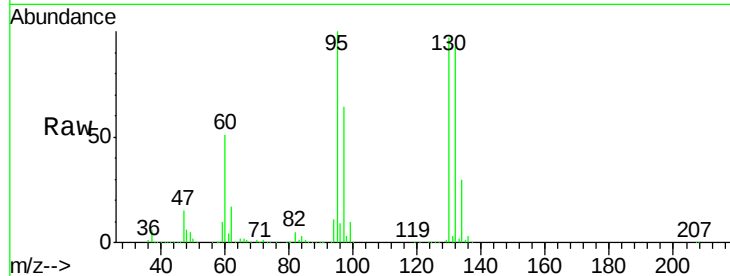




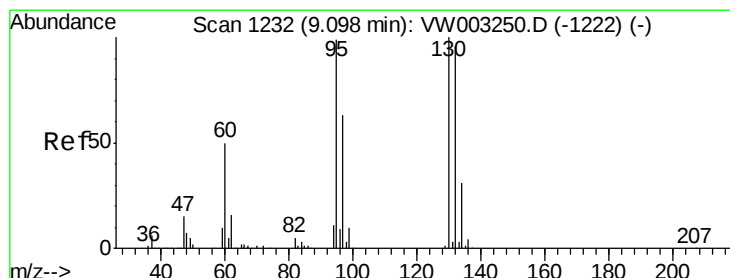
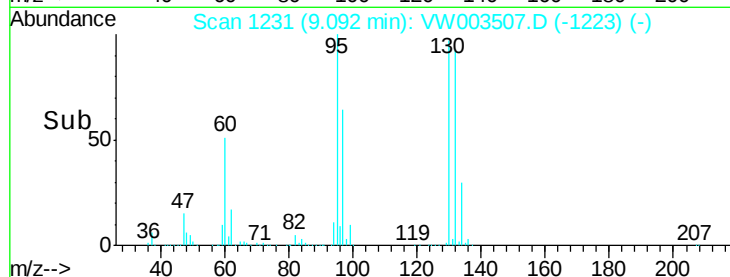
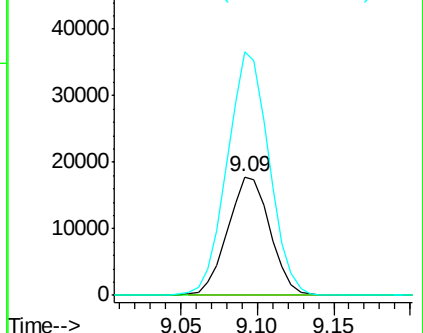
#39
Methylcyclohexane
Concen: 12.239 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.25 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-39-41-180620

Tgt Ion: 83 Resp: 34228
Ion Ratio Lower Upper
83 100
55 0.0 62.6 93.8#
98 205.3 37.0 55.4#

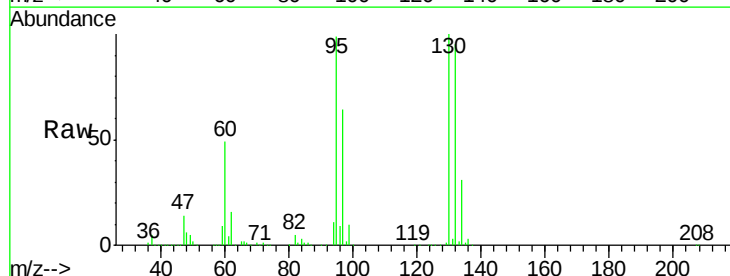


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

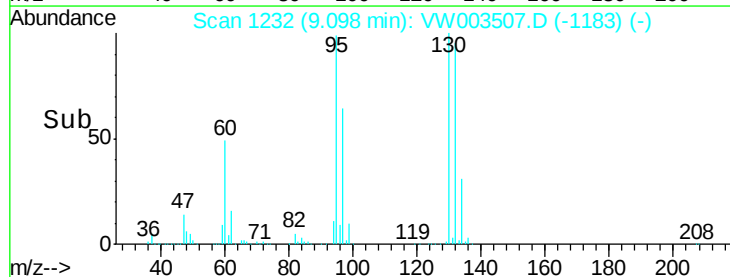
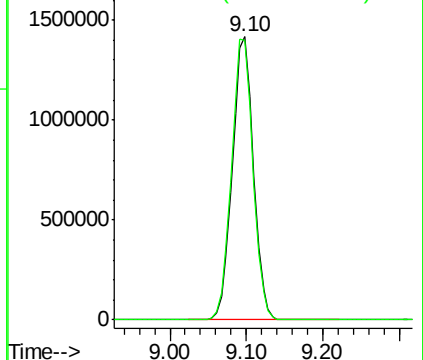


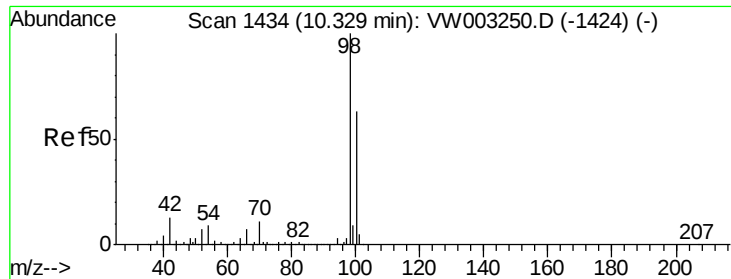
#44
Trichloroethene
Concen: 1522.851 ug/l
RT: 9.10 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

Tgt Ion: 130 Resp: 2688381
Ion Ratio Lower Upper
130 100
95 98.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

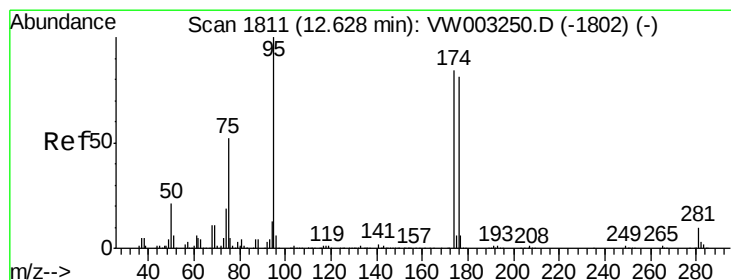
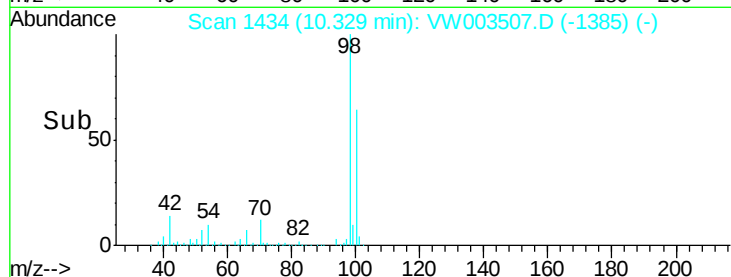
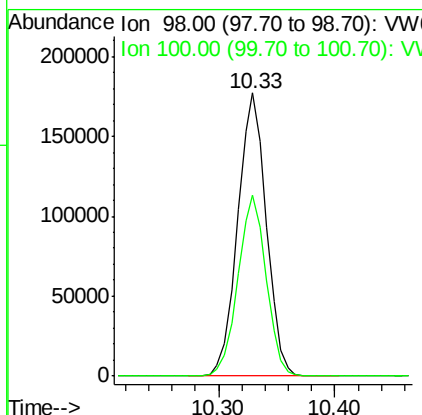
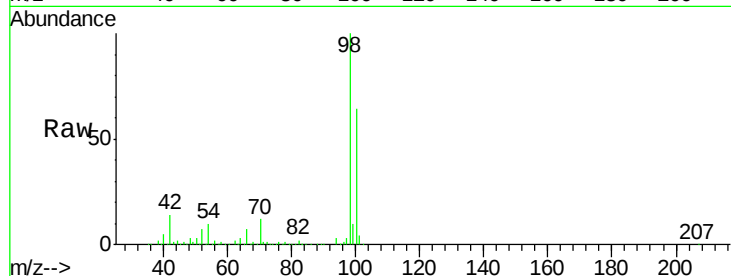




#50
Toluene-d8
Concen: 49.140 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

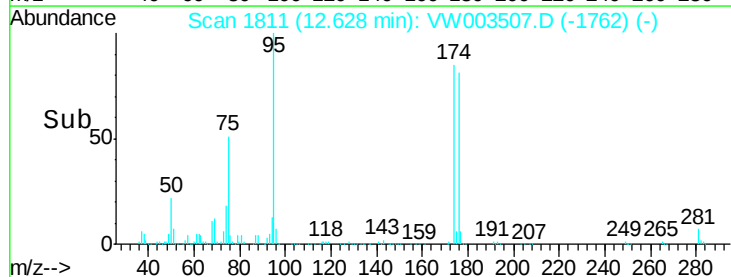
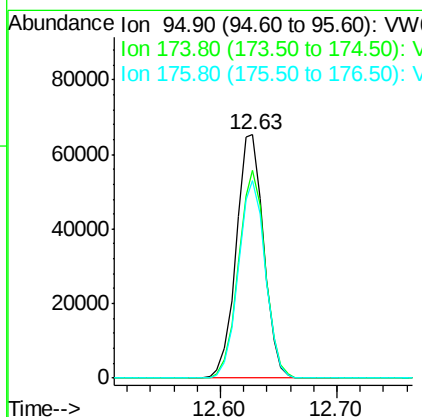
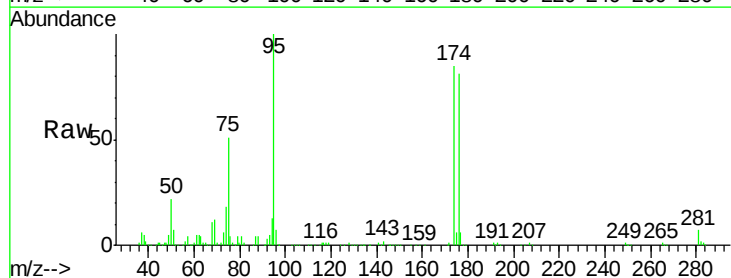
Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-39-41-180620

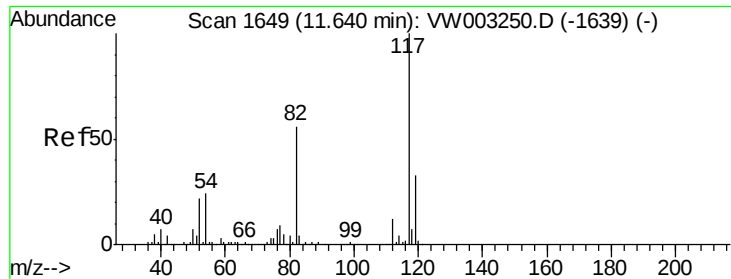
Tgt Ion: 98 Resp: 303018
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

Tgt Ion: 95 Resp: 107318
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.4
176 79.9 0.0 162.0

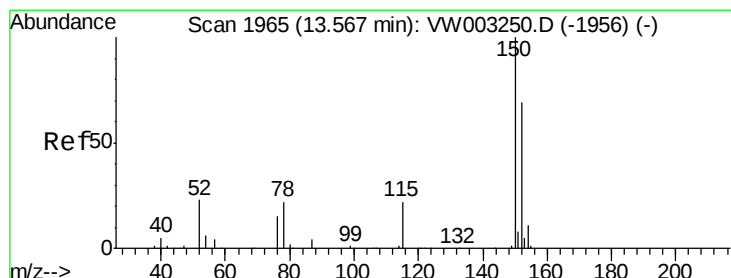
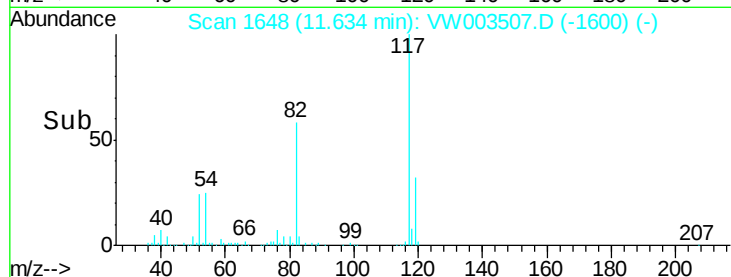
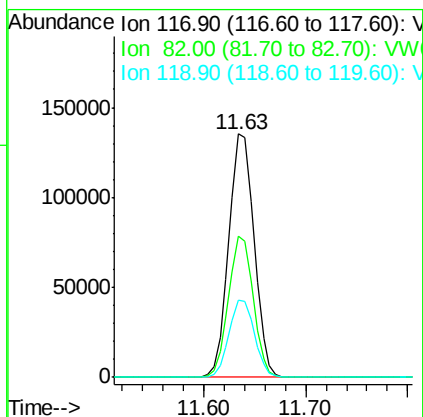
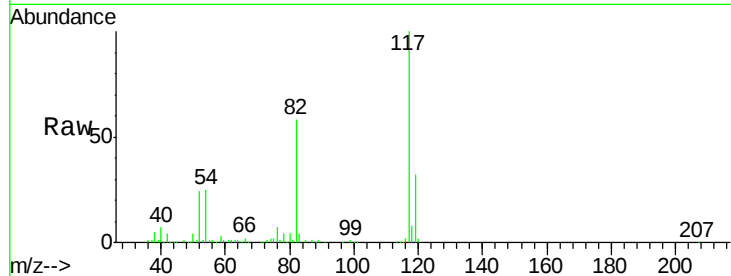




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

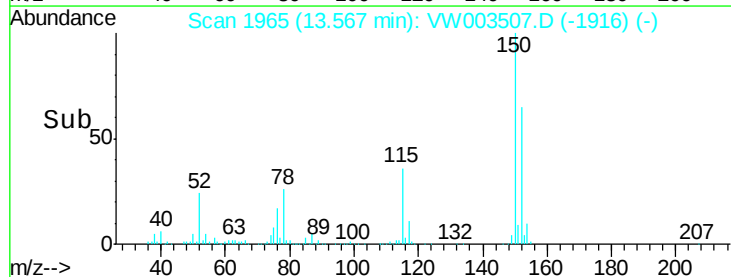
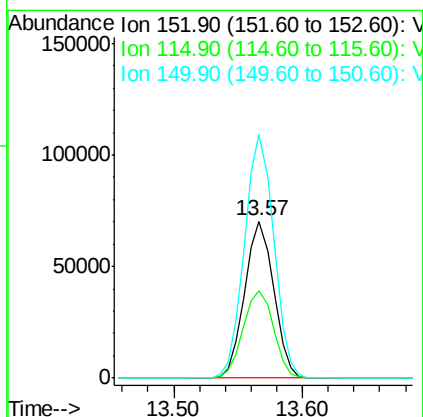
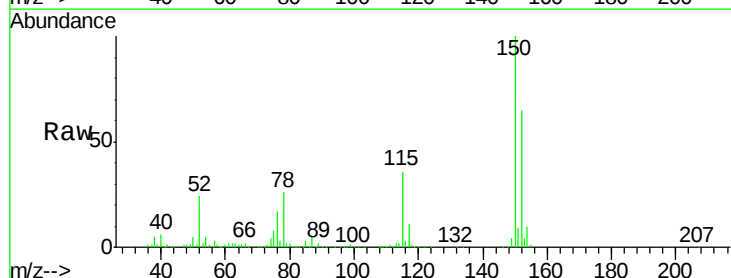
Instrument :
MSVOA_W
ClientSampleId :
WP021SB484-39-41-180620

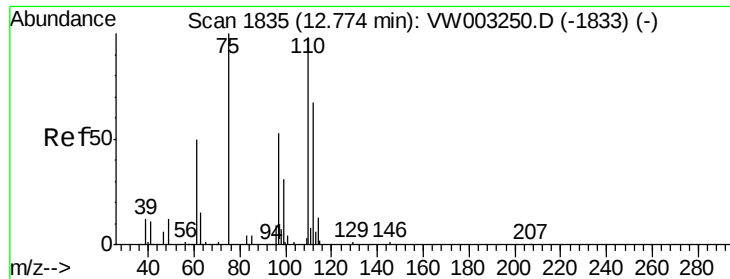
Tgt Ion:117 Resp: 231955
Ion Ratio Lower Upper
117 100
82 57.9 44.6 67.0
119 31.9 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003507.D
Acq: 24 Jun 2018 13:47

Tgt Ion:152 Resp: 109450
Ion Ratio Lower Upper
152 100
115 58.3 29.3 88.0
150 156.8 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 61.703 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

Instrument :

MSVOA_W

ClientSampleId :

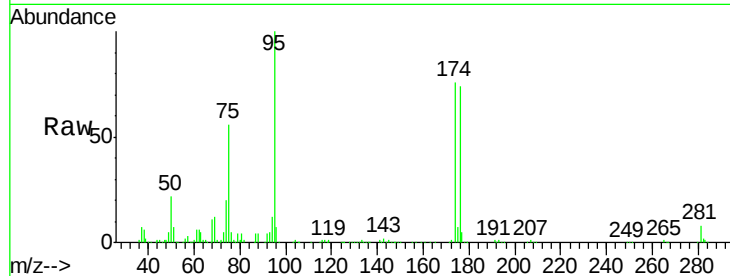
WP021SB484-39-41-180620

Tgt Ion: 75 Resp: 57734

Ion Ratio Lower Upper

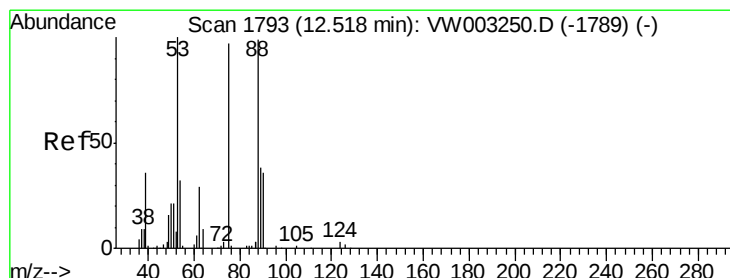
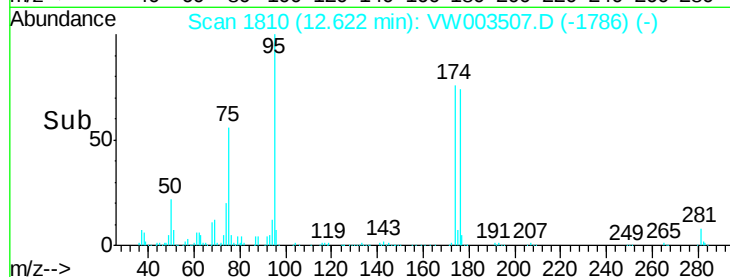
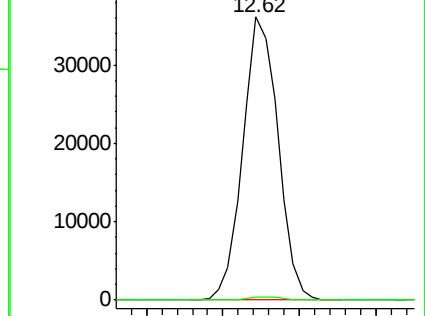
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 141.983 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003507.D

Acq: 24 Jun 2018 13:47

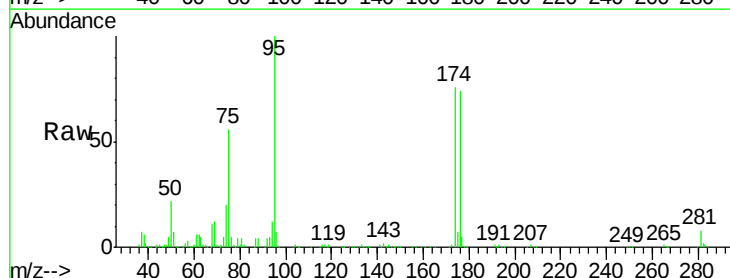
Tgt Ion: 75 Resp: 57734

Ion Ratio Lower Upper

75 100

53 0.2 82.9 124.3#

89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

