

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003486.D
 Acq On : 24 Jun 2018 04:04
 Operator : SY/AP
 Sample : J3670-06
 Misc : 5.14G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

Quant Time: Jun 25 04:43:27 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	174695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	280333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	129745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	98009	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	7.89	113	85076	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.33	98	297477	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	
62) 4-Bromofluorobenzene	12.63	95	114395	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

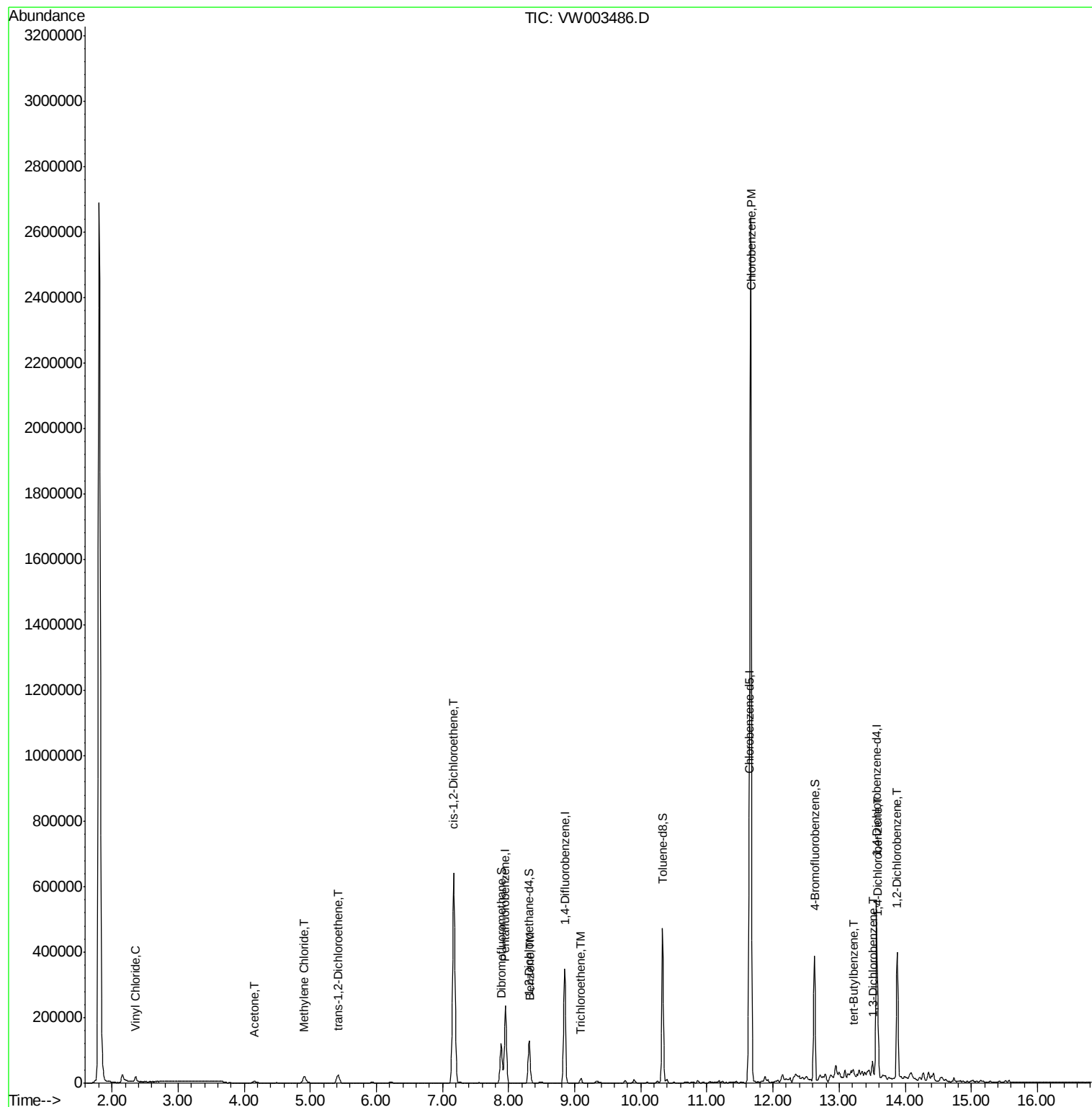
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	17203	8.84	ug/l	96
16) Acetone	4.15	43	9475	23.88	ug/l	94
20) Methylene Chloride	4.90	84	14563	5.36	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	14685	8.53	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	365000	193.05	ug/l	93
40) Benzene	8.32	78	12226	1.64	ug/l	94
44) Trichloroethene	9.10	130	4391	2.22	ug/l	89
65) Chlorobenzene	11.66	112	1341351	253.34	ug/l	99
83) tert-Butylbenzene	13.21	119	8281	1.28	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	15972	3.70	ug/l	90
88) 1,4-Dichlorobenzene	13.59	146	54394	12.67	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	134950	35.68	ug/l	98

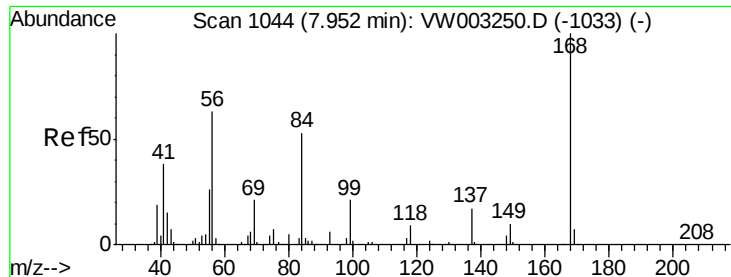
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

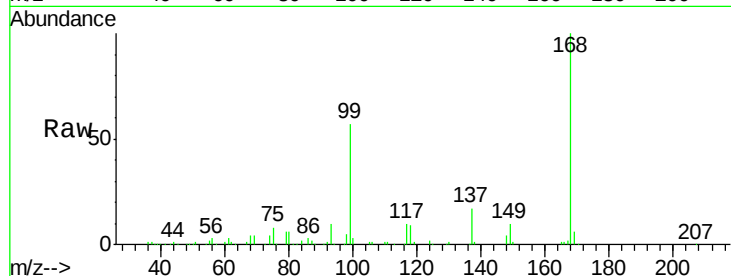
WP021SB487-19-21-180621

Tot Ion:168 Resp: 174695

Ion Ratio Lower Upper

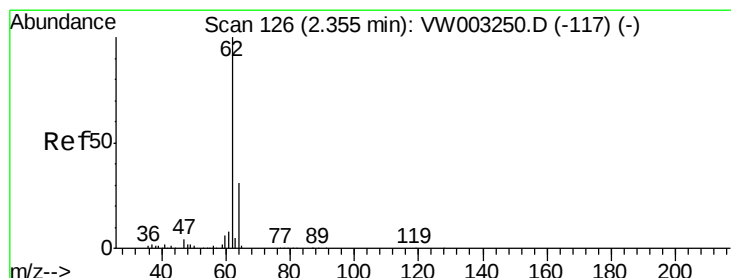
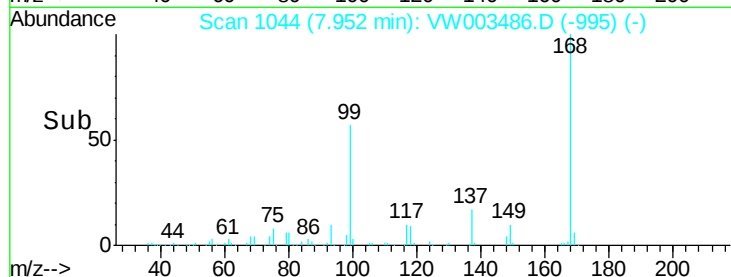
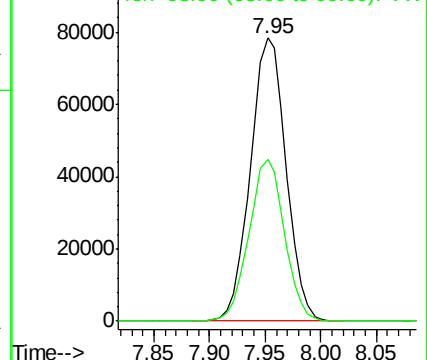
168 100

99 57.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 8.84 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003486.D

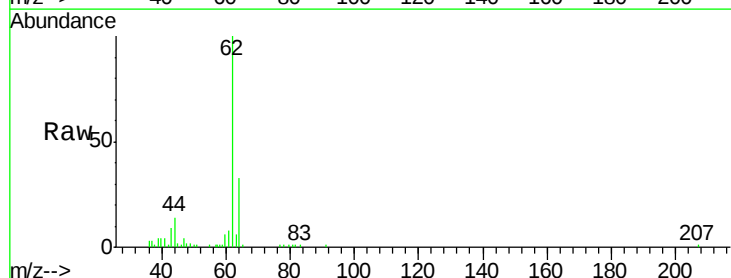
Acq: 24 Jun 2018 04:04

Tgt Ion: 62 Resp: 17203

Ion Ratio Lower Upper

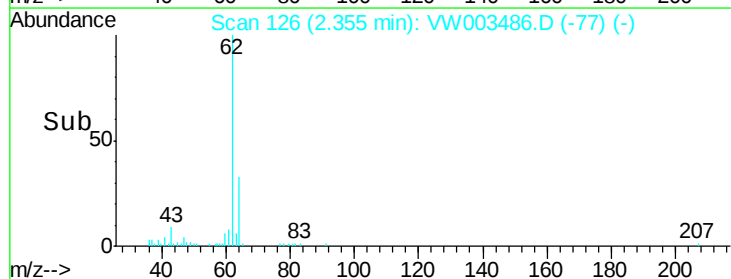
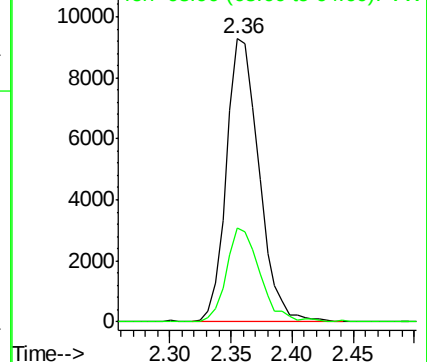
62 100

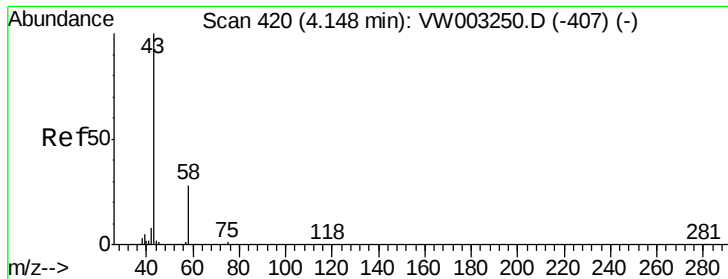
64 33.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#16

Acetone

Concen: 23.88 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

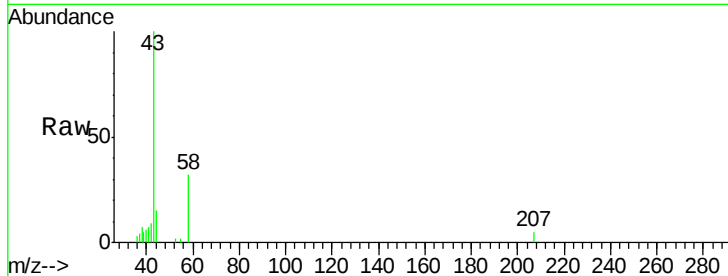
WP021SB487-19-21-180621

Tot Ion: 43 Resp: 9475

Ion Ratio Lower Upper

43 100

58 31.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

2500

2000

1500

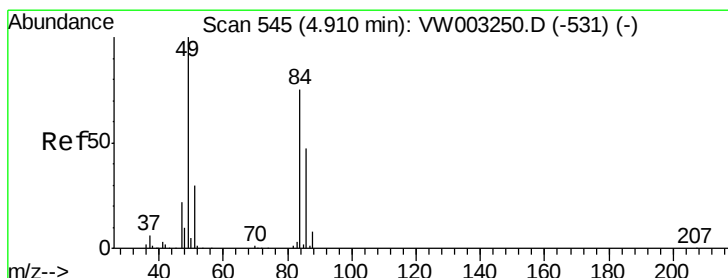
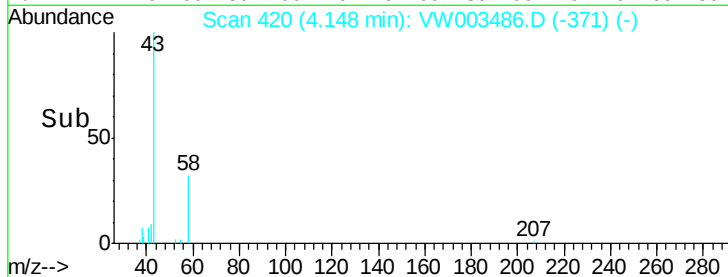
1000

500

0

Time-->

4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 5.36 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Tgt Ion: 84 Resp: 14563

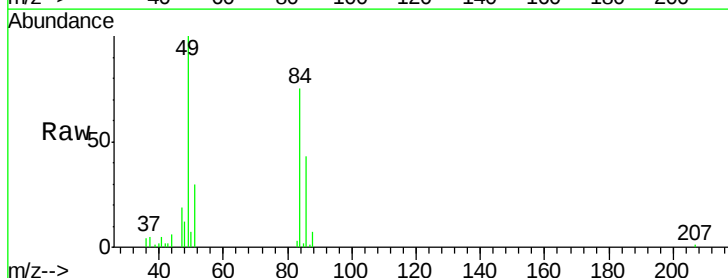
Ion Ratio Lower Upper

84 100

49 133.7 106.3 159.5

51 40.1 32.0 48.0

86 57.9 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

8000

6000

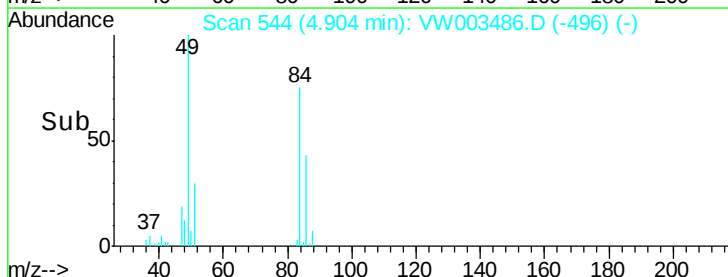
4000

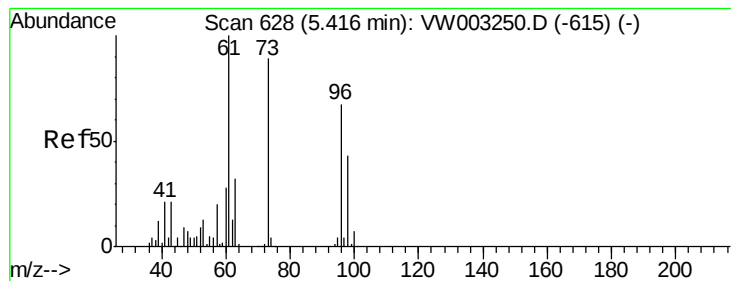
2000

0

Time-->

4.80 4.90 5.00





#21

trans-1,2-Dichloroethene

Concen: 8.53 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-19-21-180621

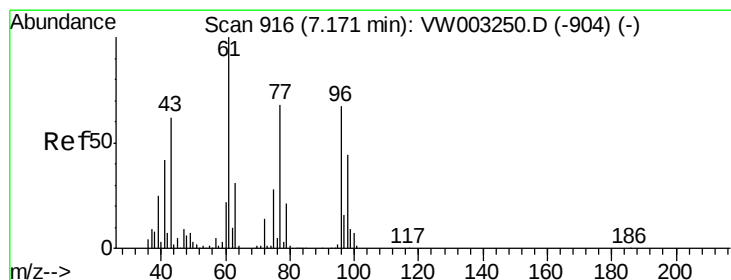
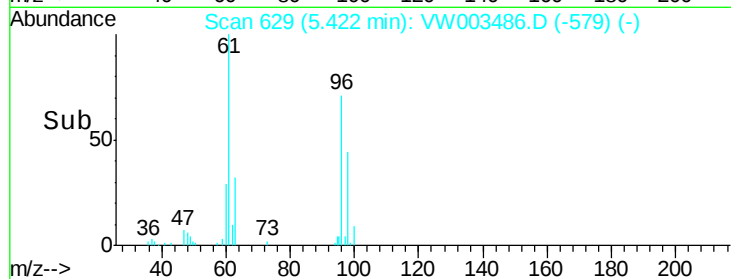
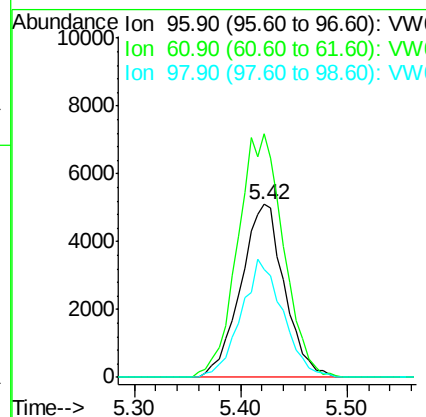
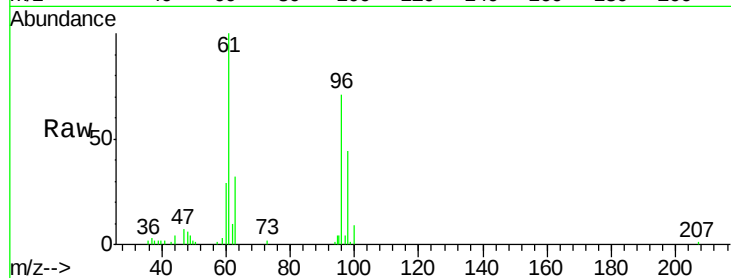
Tot Ion: 96 Resp: 14685

Ion Ratio Lower Upper

96 100

61 140.6 118.7 178.1

98 62.1 51.0 76.6



#27

cis-1,2-Dichloroethene

Concen: 193.05 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

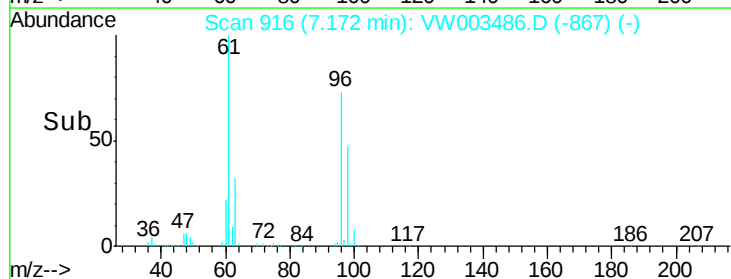
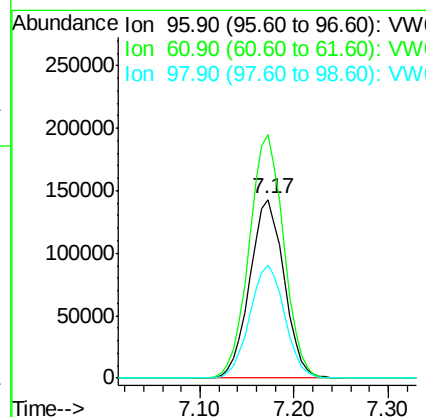
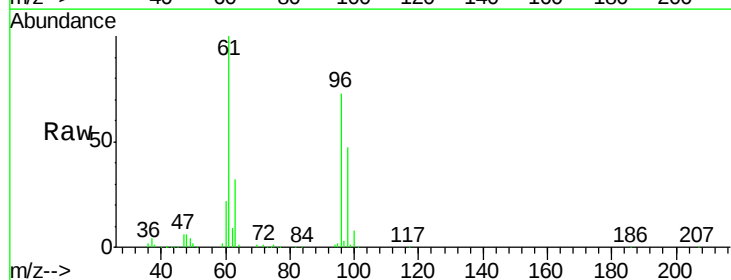
Tgt Ion: 96 Resp: 365000

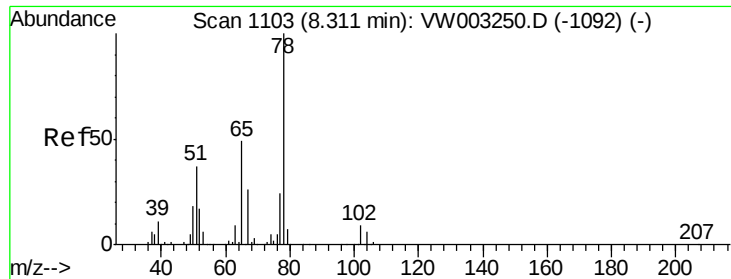
Ion Ratio Lower Upper

96 100

61 137.2 0.0 298.8

98 64.3 0.0 130.4

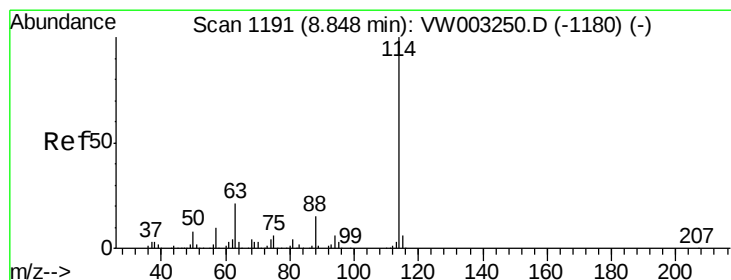
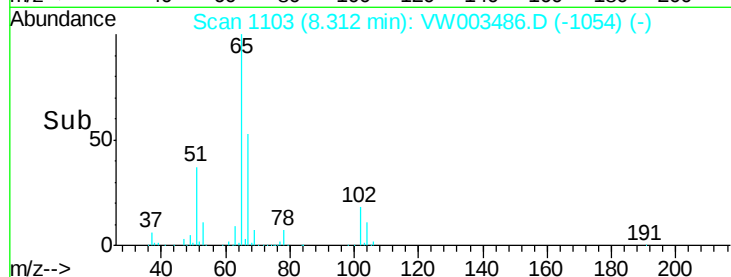
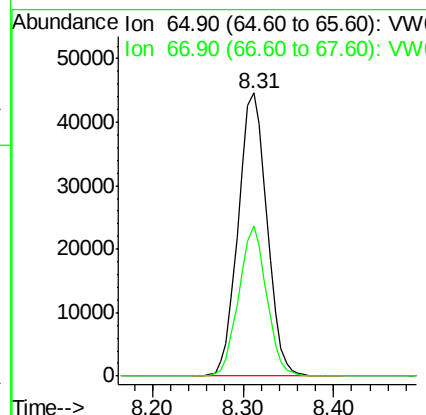
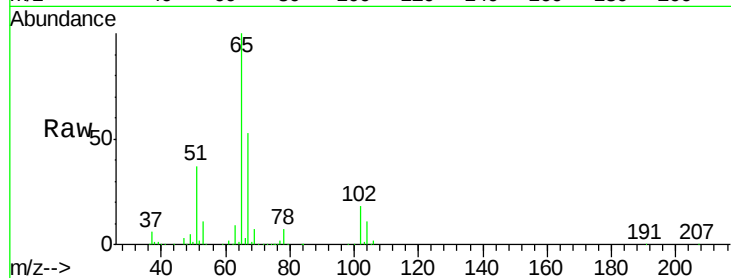




#33
 1,2-Dichloroethane-d4
 Concen: 51.80 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

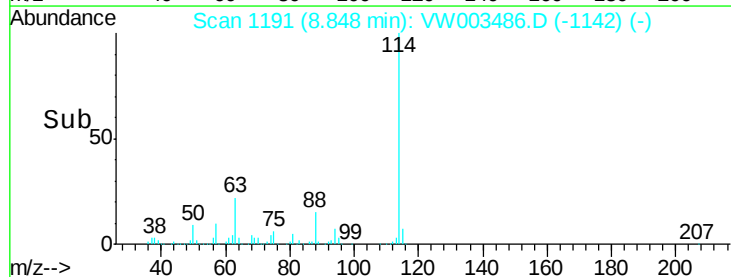
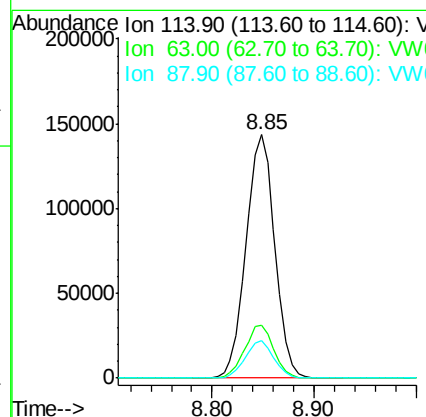
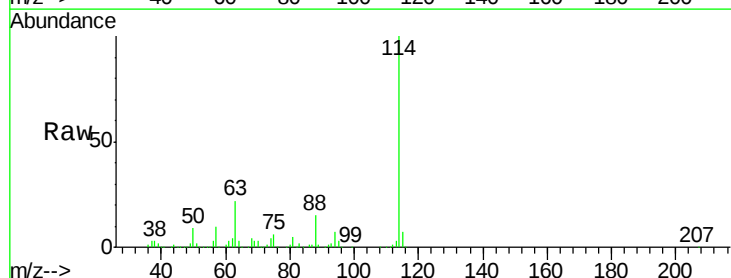
Instrument :
 MSVOA_W
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 WP021SB487-19-21-180621

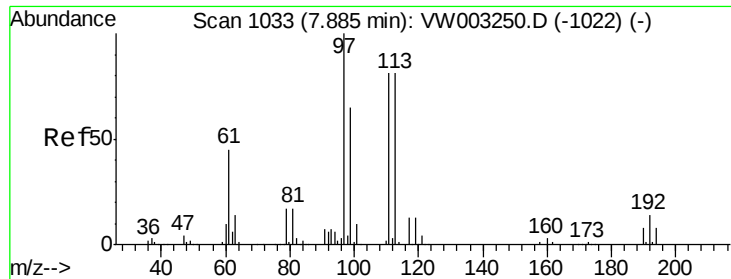
Tot Ion: 65 Resp: 98009
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion: 114 Resp: 280333
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 15.2 0.0 29.6

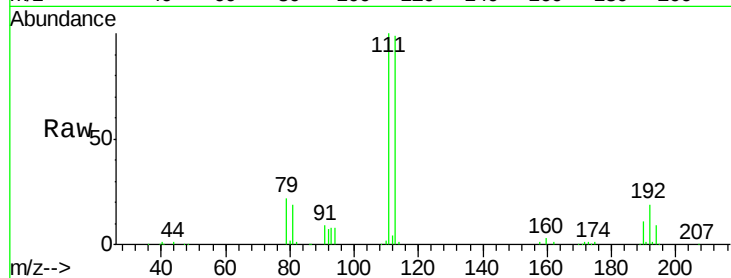




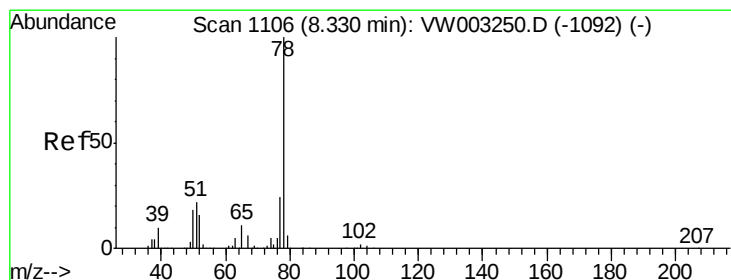
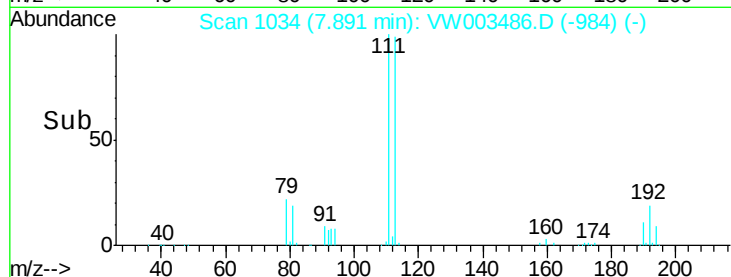
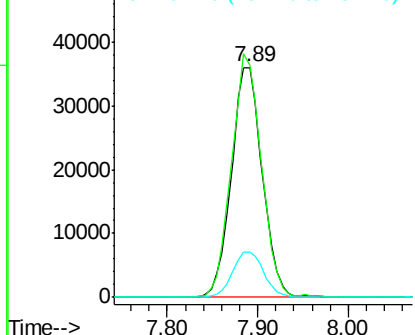
#35
 Dibromofluoromethane
 Concen: 48.84 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

Tot Ion:113 Resp: 85076
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.2
 192 19.8 16.2 24.2

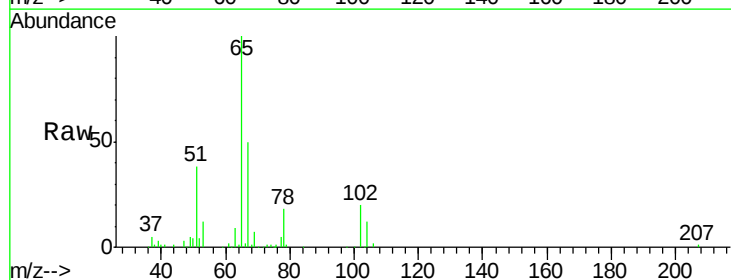


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

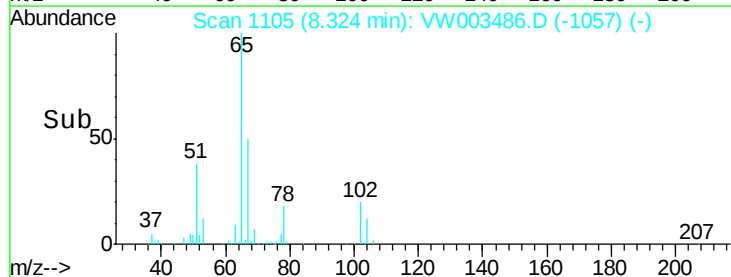
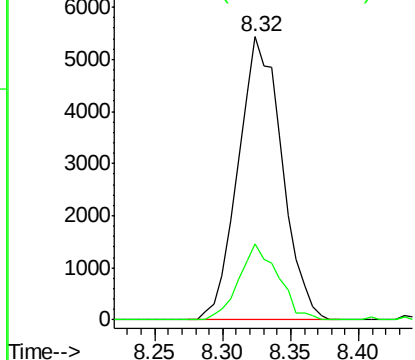


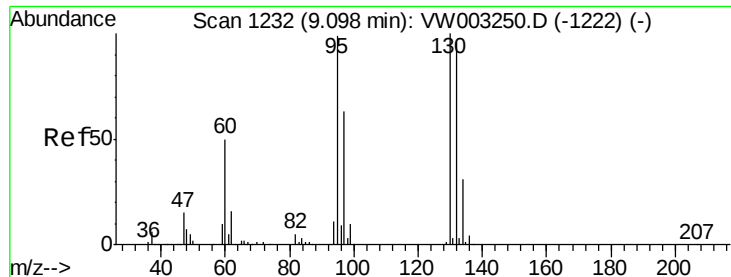
#40
 Benzene
 Concen: 1.64 ug/l
 RT: 8.32 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion: 78 Resp: 12226
 Ion Ratio Lower Upper
 78 100
 77 26.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
 Ion 77.00 (76.70 to 77.70): VW





#44

Trichloroethene

Concen: 2.22 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

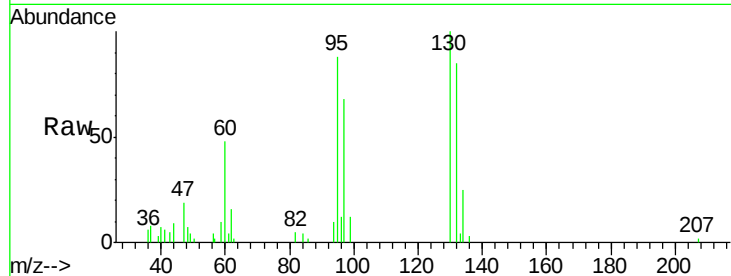
WP021SB487-19-21-180621

Tot Ion:130 Resp: 4391

Ion Ratio Lower Upper

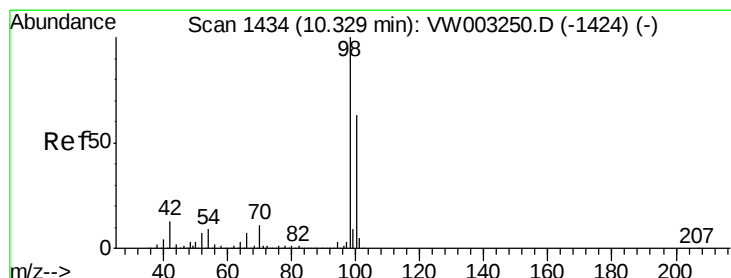
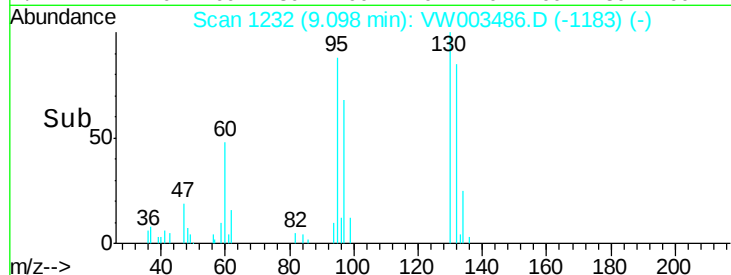
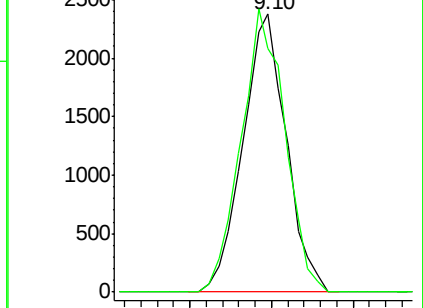
130 100

95 87.8 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: 43.07 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003486.D

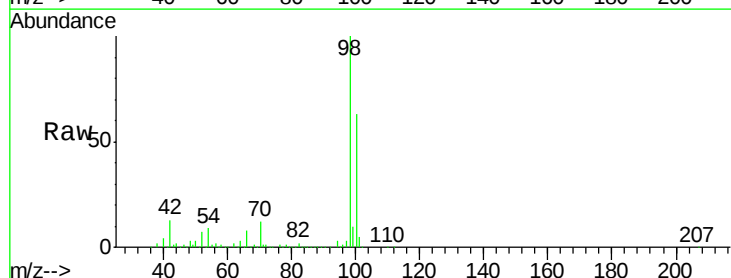
Acq: 24 Jun 2018 04:04

Tgt Ion: 98 Resp: 297477

Ion Ratio Lower Upper

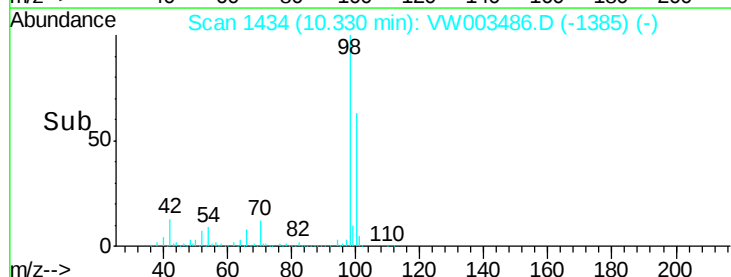
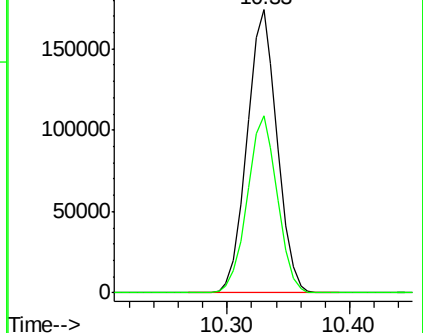
98 100

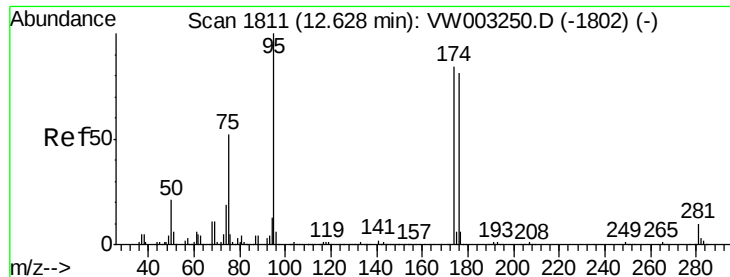
100 62.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.80 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

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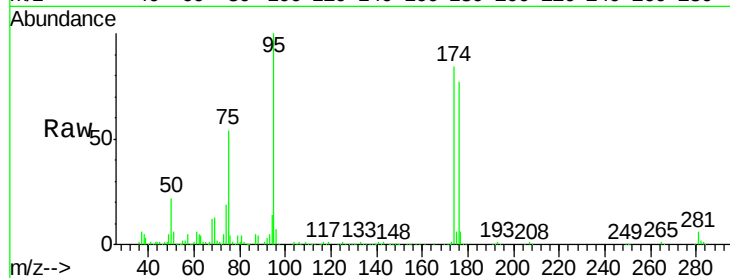
Tot Ion: 95 Resp: 114395

Ion Ratio Lower Upper

95 100

174 81.7 0.0 166.4

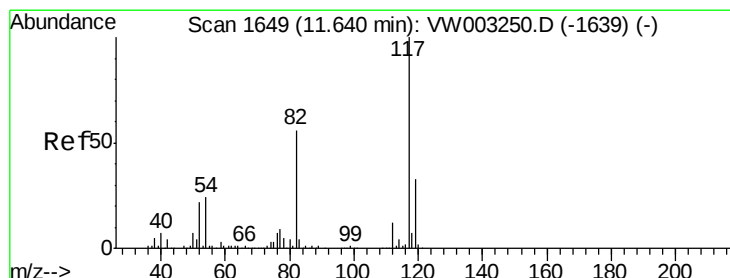
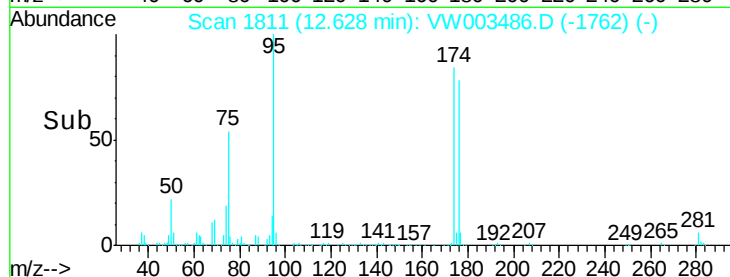
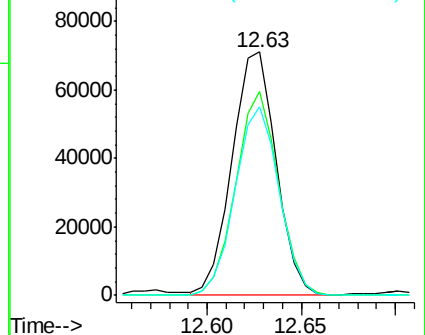
176 77.7 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

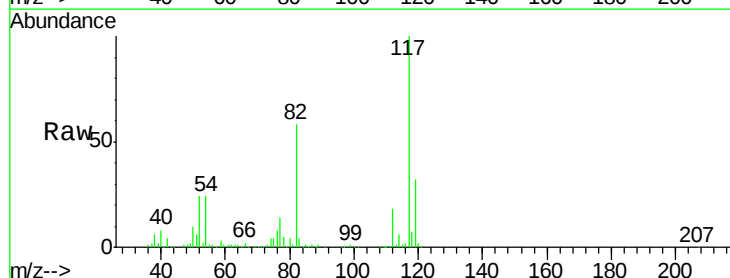
Tgt Ion: 117 Resp: 254252

Ion Ratio Lower Upper

117 100

82 57.8 44.6 67.0

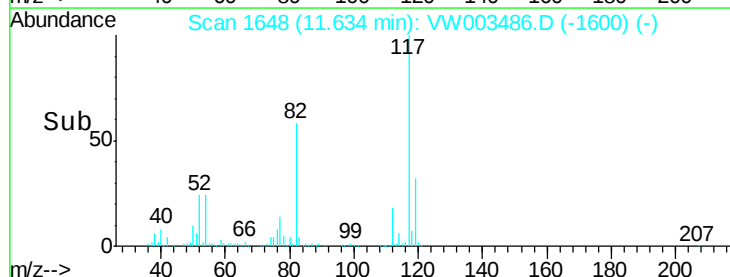
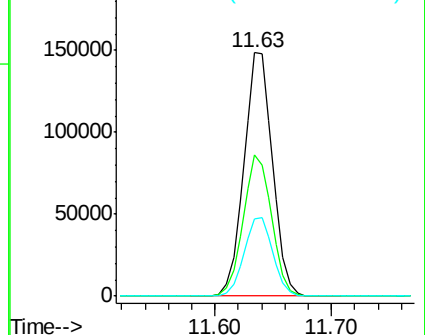
119 31.8 26.7 40.1

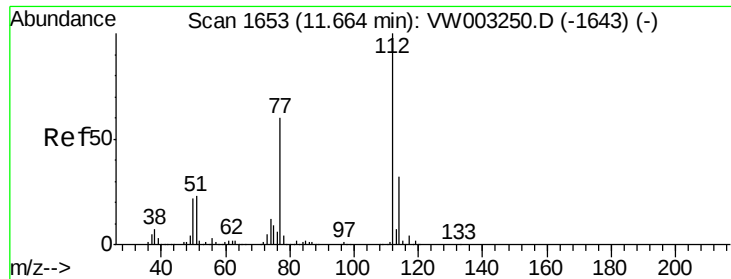


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#65

Chlorobenzene

Concen: 253.34 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003486.D

Acq: 24 Jun 2018 04:04

Instrument :

MSVOA_W

ClientSampleId :

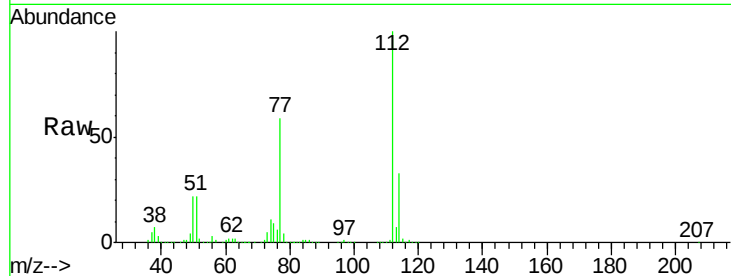
WP021SB487-19-21-180621

Tot Ion:112 Resp: 1341351

Ion Ratio Lower Upper

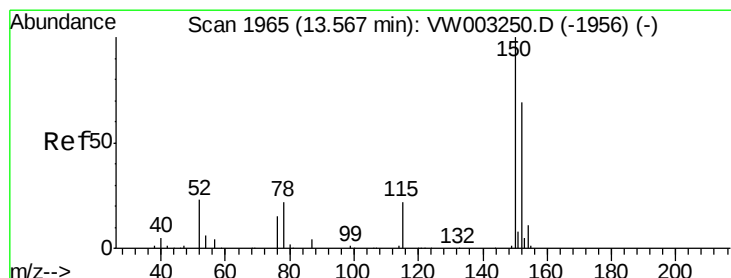
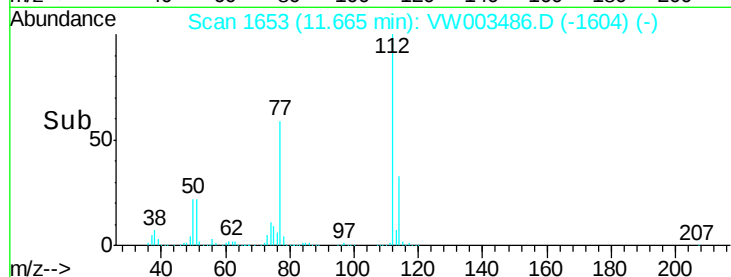
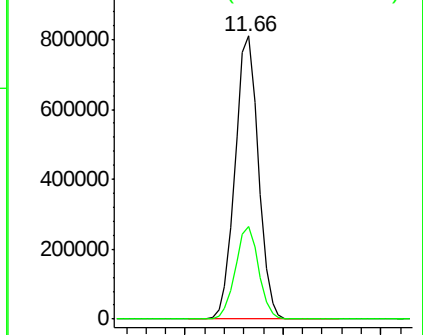
112 100

114 32.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VW003486.D

Acq: 24 Jun 2018 04:04

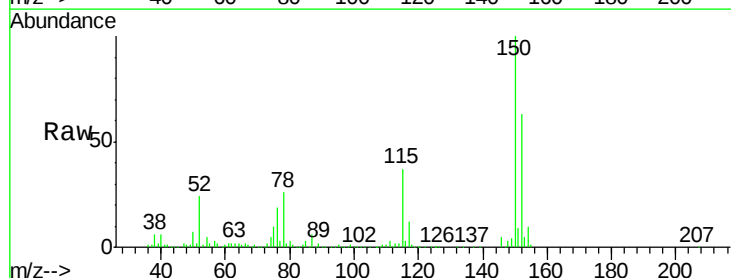
Tgt Ion:152 Resp: 129745

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

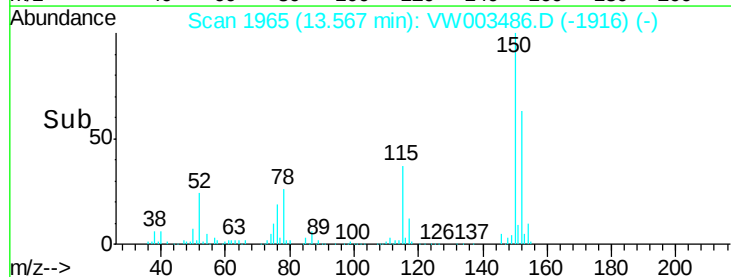
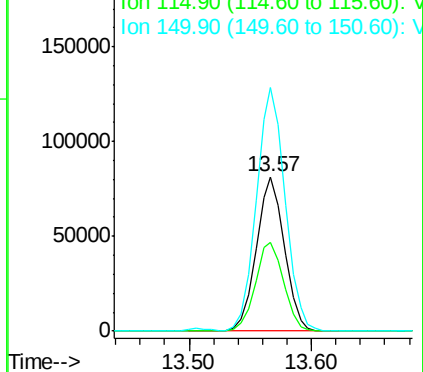
150 162.0 0.0 349.6

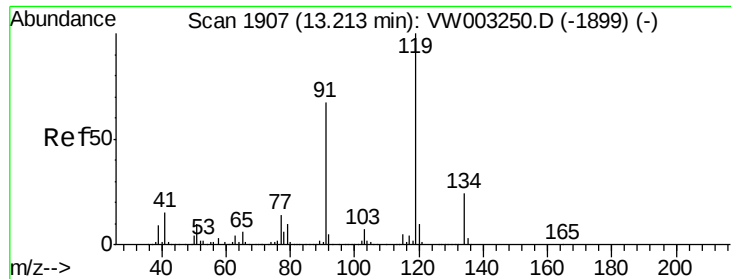


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

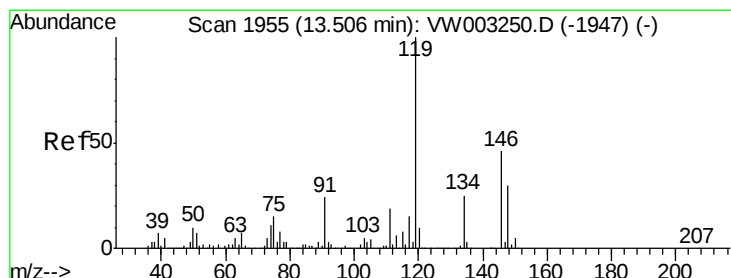
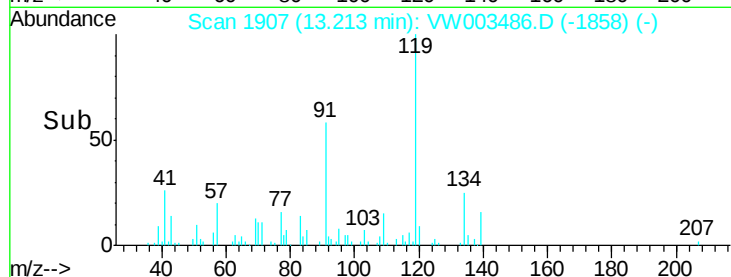
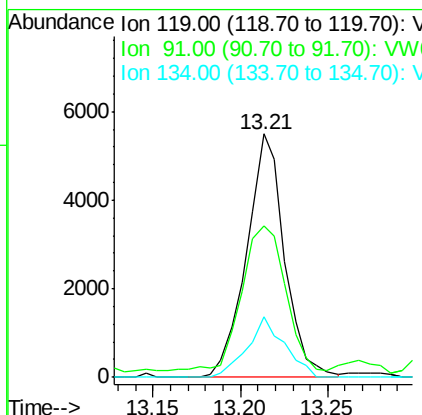
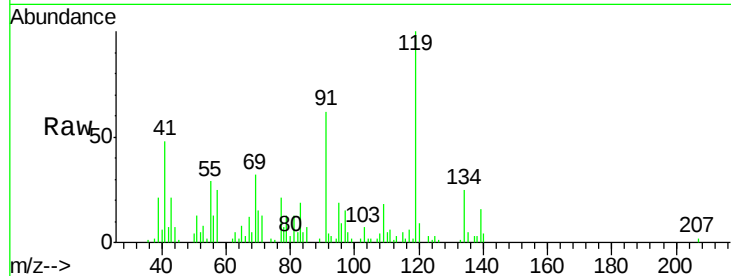




#83
tert-Butylbenzene
Concen: 1.28 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

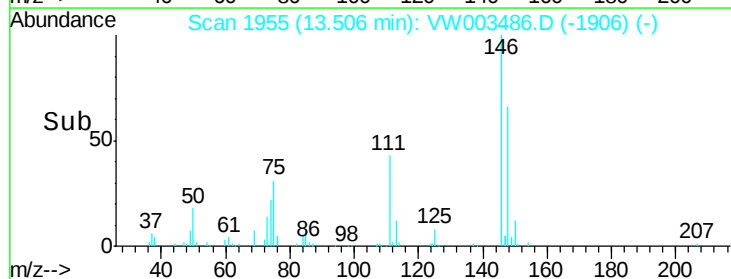
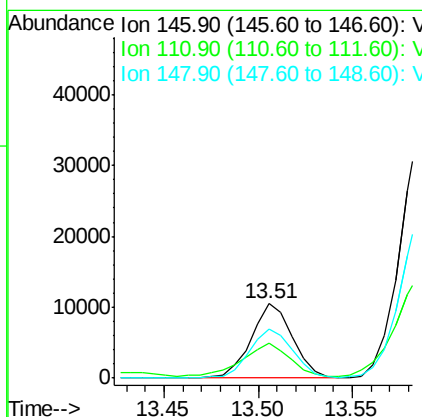
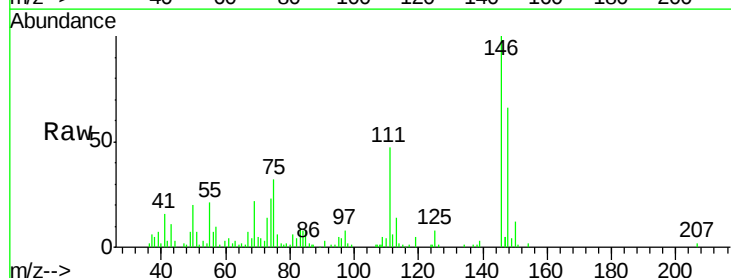
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-19-21-180621

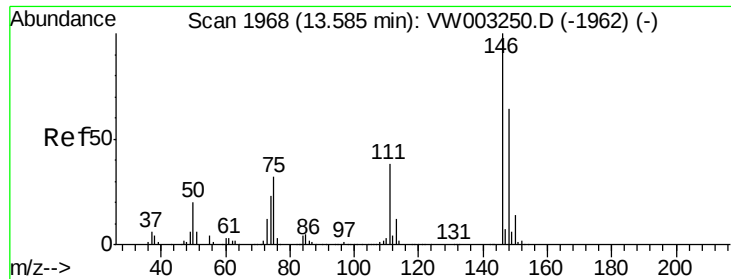
Tot Ion:119 Resp: 8281
Ion Ratio Lower Upper
119 100
91 68.7 33.9 101.7
134 24.2 13.4 40.1



#87
1,3-Dichlorobenzene
Concen: 3.70 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003486.D
Acq: 24 Jun 2018 04:04

Tgt Ion:146 Resp: 15972
Ion Ratio Lower Upper
146 100
111 50.6 19.8 59.4
148 69.0 32.1 96.5

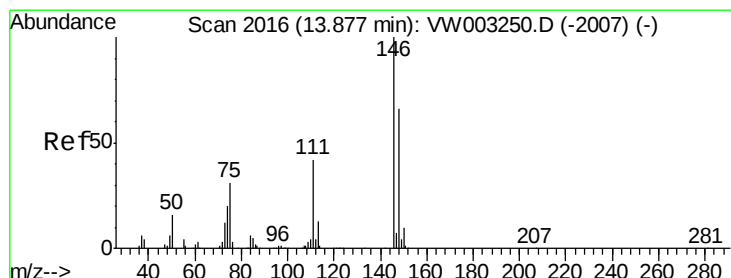
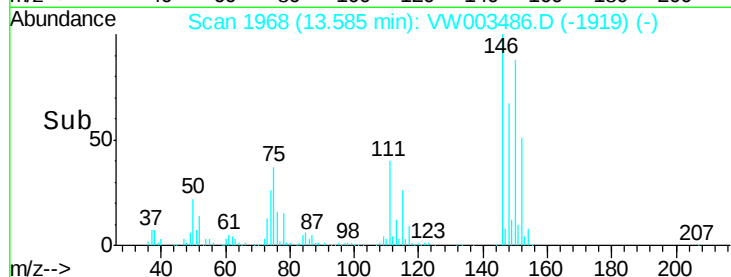
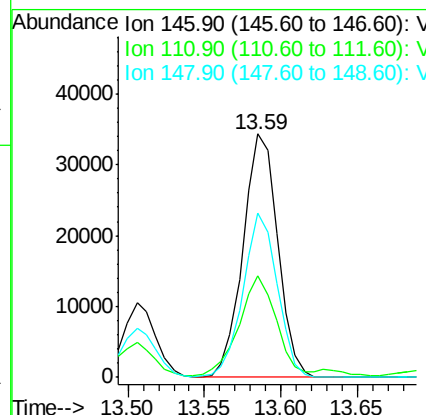
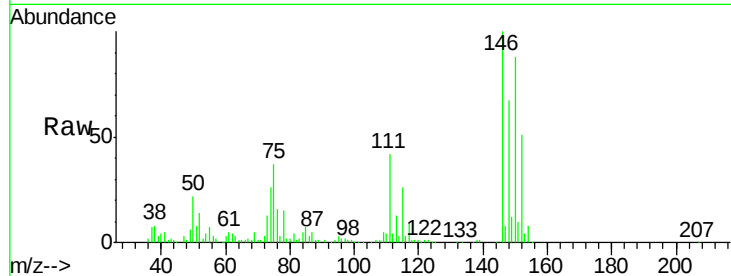




#88
 1,4-Dichlorobenzene
 Concen: 12.67 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-19-21-180621

Tot Ion:146 Resp: 54394
 Ion Ratio Lower Upper
 146 100
 111 44.0 19.2 57.6
 148 66.4 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 35.68 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003486.D
 Acq: 24 Jun 2018 04:04

Tgt Ion:146 Resp: 134950
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 61.0
 148 63.2 32.3 96.9

