

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003485.D
 Acq On : 24 Jun 2018 03:38
 Operator : SY/AP
 Sample : J3670-05
 Misc : 6.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-17-19-180621

Quant Time: Jun 25 02:45:14 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	151325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	247047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	228782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	117456	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	105811	64.55	ug/l	0.00
Spiked Amount			Recovery	=	129.10%	
35) Dibromofluoromethane	7.89	113	85463	55.67	ug/l	0.00
Spiked Amount			Recovery	=	111.34%	
50) Toluene-d8	10.33	98	286750	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.63	95	111862	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	

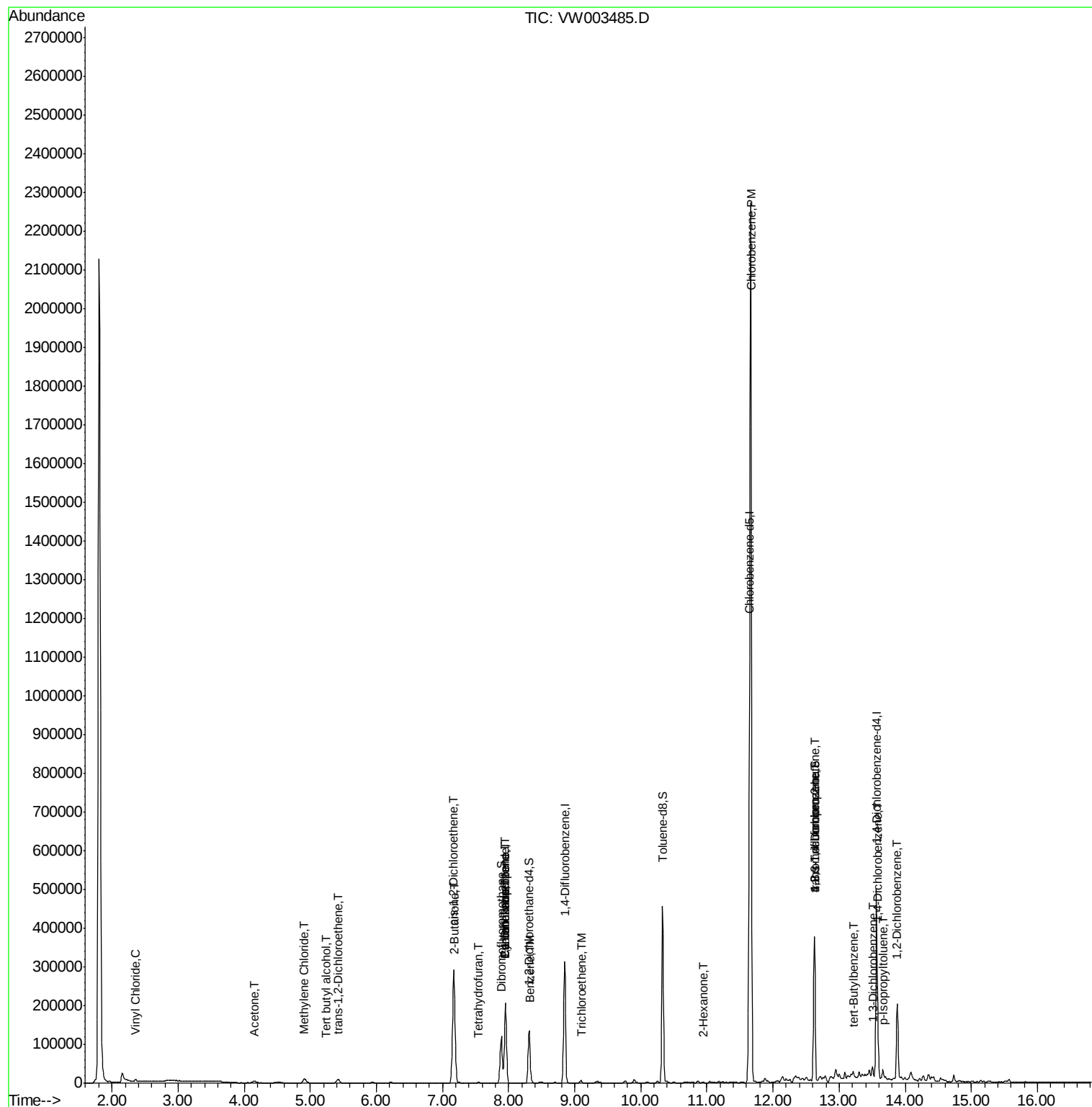
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	4837	2.871	ug/l	91
11) Tert butyl alcohol	5.24	59	262	2.980	ug/l #	84
16) Acetone	4.15	43	10668	31.033	ug/l	97
20) Methylene Chloride	4.91	84	7893	1.872	ug/l #	92
21) trans-1,2-Dichloroethene	5.42	96	5943	3.986	ug/l	90
25) 2-Butanone	7.19	43	824	1.928	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	166011	101.365	ug/l	93
29) Tetrahydrofuran	7.55	42	620	2.373	ug/l #	67
31) Cyclohexane	7.95	56	3900	1.472	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	12336	5.171	ug/l #	51
38) Carbon Tetrachloride	7.95	117	15170	6.482	ug/l #	15
40) Benzene	8.33	78	6680	1.016	ug/l	91
44) Trichloroethene	9.10	130	1751	1.005	ug/l	73
59) 2-Hexanone	10.95	43	1140	1.632	ug/l #	31
65) Chlorobenzene	11.66	112	1157241	242.904	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	61377	61.126	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61377	140.653	ug/l #	9
83) tert-Butylbenzene	13.22	119	6323	1.082	ug/l	95
86) p-Isopropyltoluene	13.66	119	9459	1.235	ug/l	91
87) 1,3-Dichlorobenzene	13.51	146	9936	2.542	ug/l	91
88) 1,4-Dichlorobenzene	13.58	146	31158	8.019	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	67081	19.593	ug/l	98

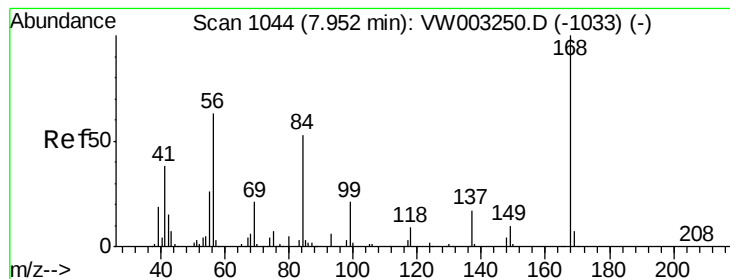
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
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Quant Time: Jun 25 02:45:14 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: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

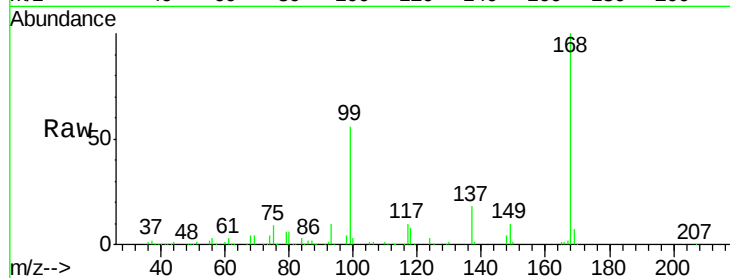
WP021SB487-17-19-180621

Tgt Ion:168 Resp: 151325

Ion Ratio Lower Upper

168 100

99 56.0 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

60000

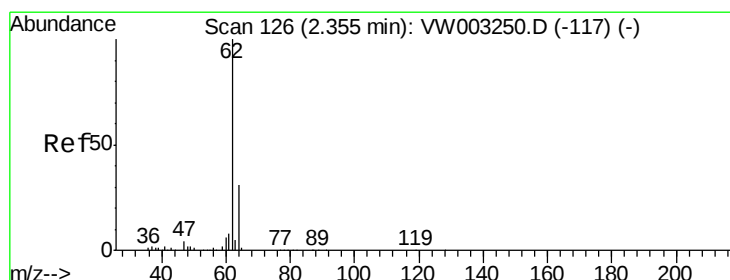
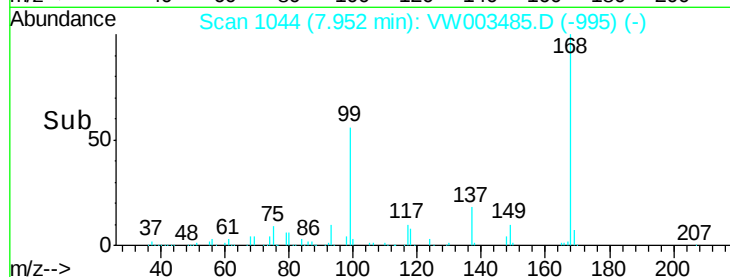
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#4

Vinyl Chloride

Concen: 2.871 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003485.D

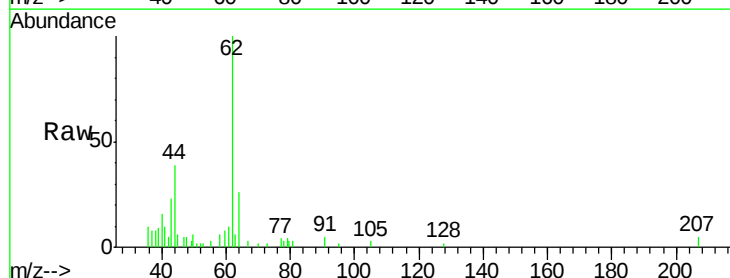
Acq: 24 Jun 2018 03:38

Tgt Ion: 62 Resp: 4837

Ion Ratio Lower Upper

62 100

64 26.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

3000

2500

2000

1500

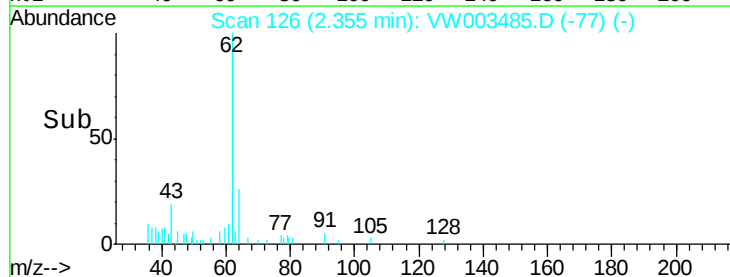
1000

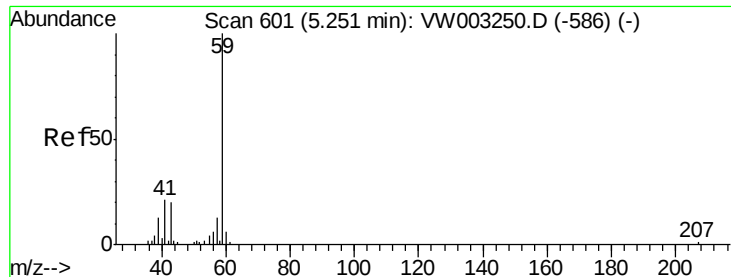
500

0

2.30 2.35 2.40 2.45

Time-->



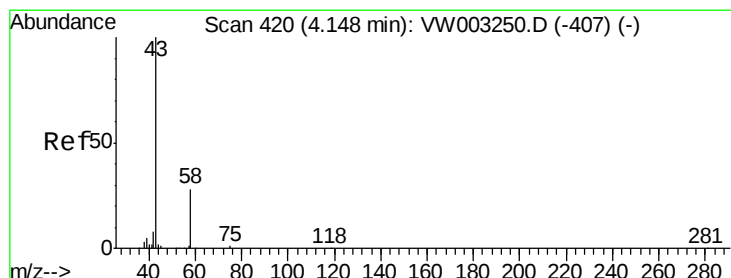
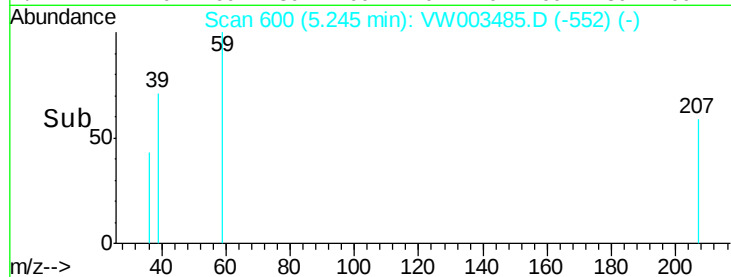
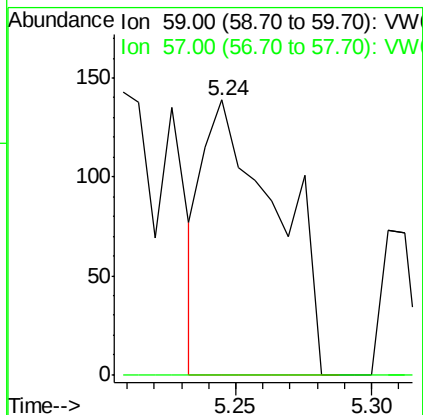
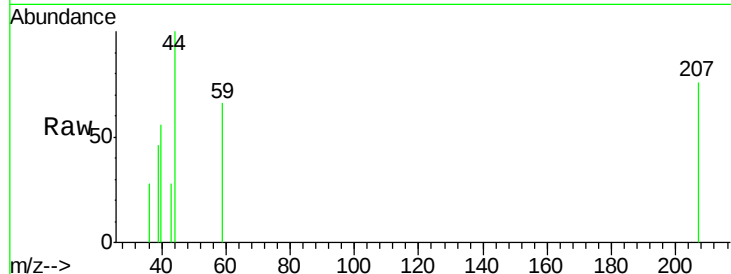


#11

Tert butyl alcohol
 Concen: 2.980 ug/l
 RT: 5.24 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-17-19-180621

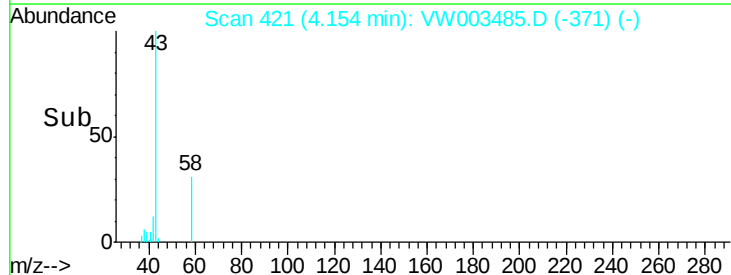
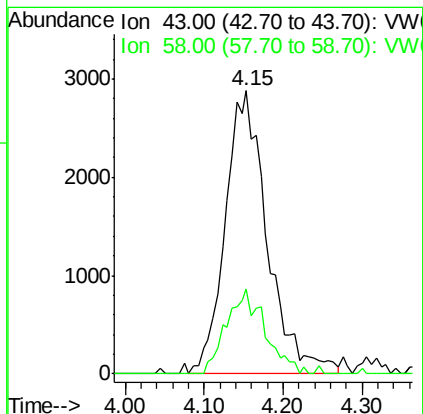
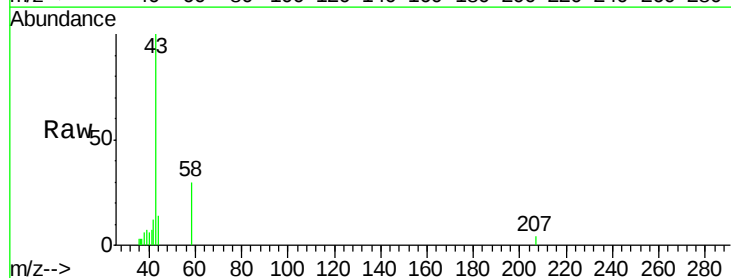
Tgt Ion: 59 Resp: 262
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.2 6.2#

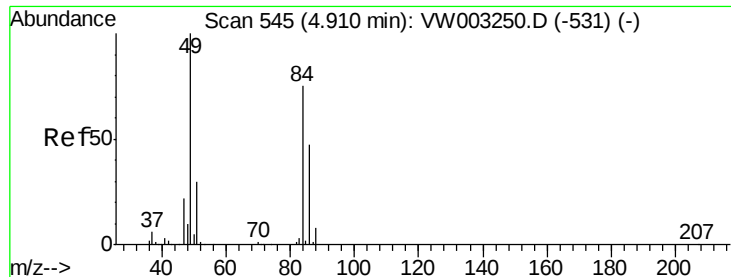


#16

Acetone
 Concen: 31.033 ug/l
 RT: 4.15 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Tgt Ion: 43 Resp: 10668
 Ion Ratio Lower Upper
 43 100
 58 30.1 22.6 34.0

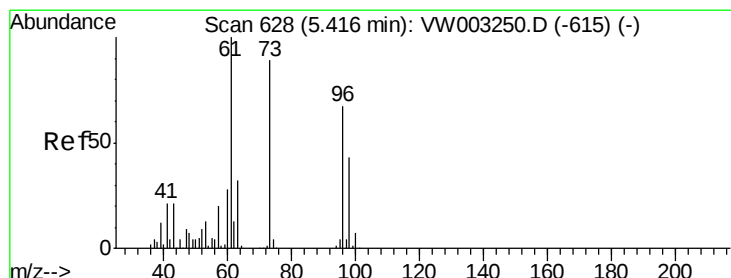
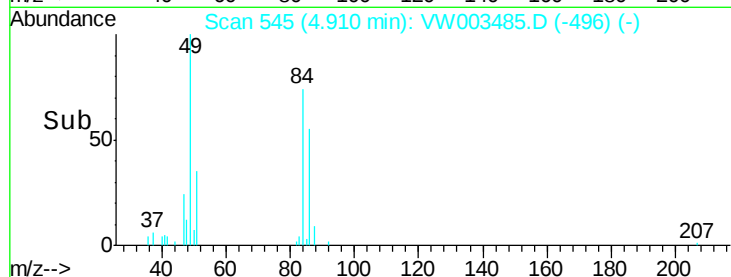
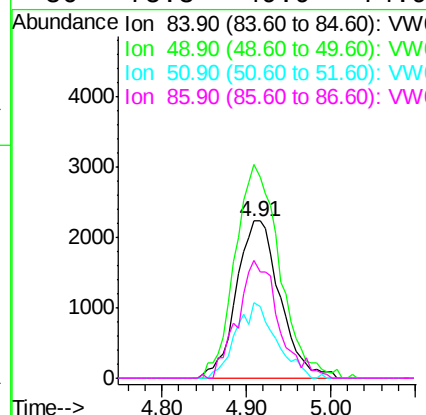
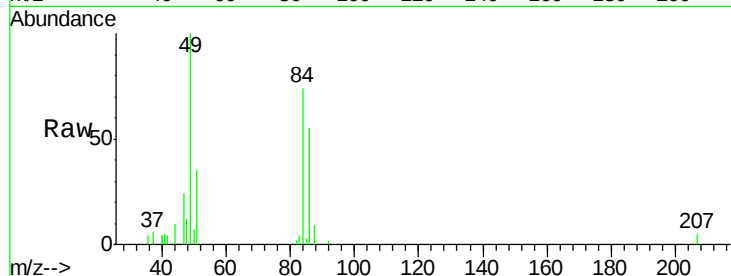




#20
Methylene Chloride
Concen: 1.872 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

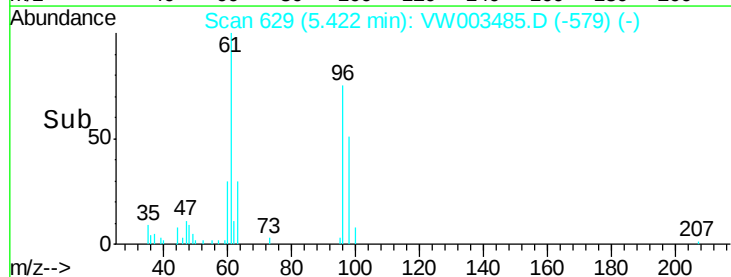
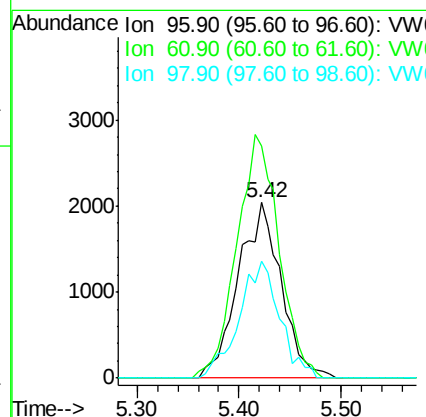
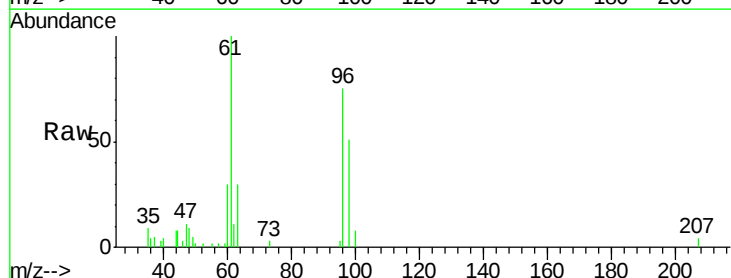
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

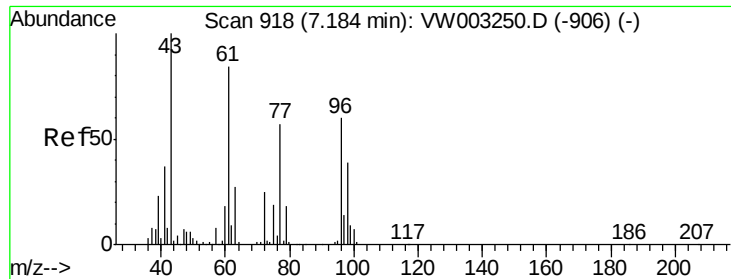
Tgt Ion: 84 Resp: 7893
Ion Ratio Lower Upper
84 100
49 135.7 106.3 159.5
51 47.8 32.0 48.0
86 75.3 49.9 74.9#



#21
trans-1,2-Dichloroethene
Concen: 3.986 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion: 96 Resp: 5943
Ion Ratio Lower Upper
96 100
61 132.5 118.7 178.1
98 66.9 51.0 76.6





#25

2-Butanone

Concen: 1.928 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

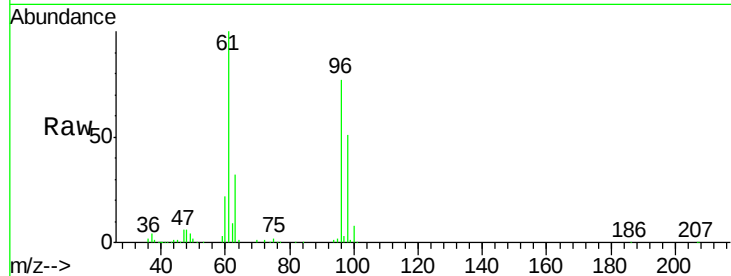
WP021SB487-17-19-180621

Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

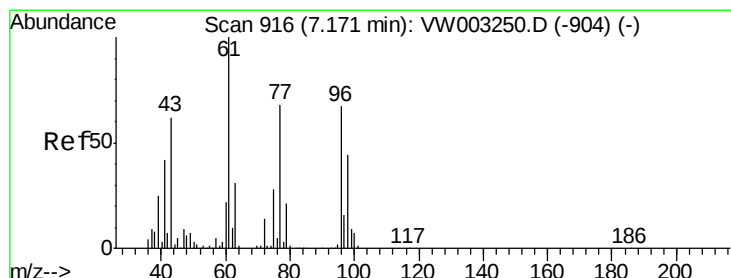
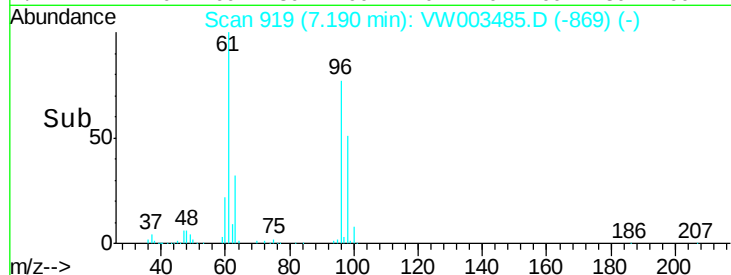
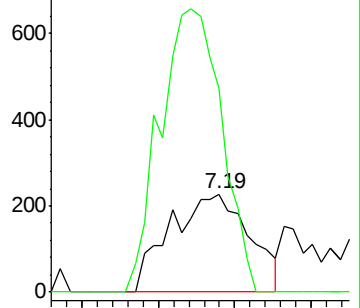
43 100

72 208.8 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: 101.365 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

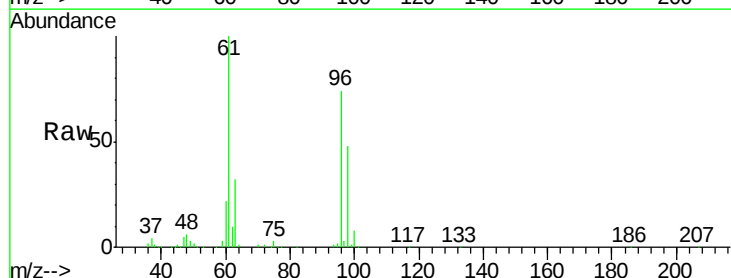
Tgt Ion: 96 Resp: 166011

Ion Ratio Lower Upper

96 100

61 136.6 0.0 298.8

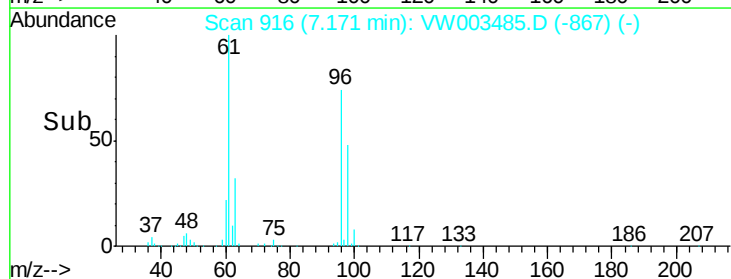
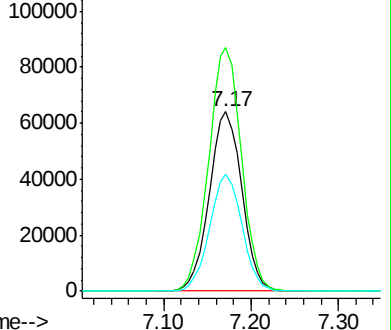
98 64.7 0.0 130.4

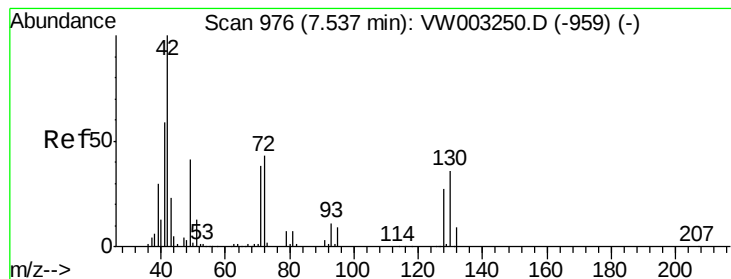


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#29

Tetrahydrofuran

Concen: 2.373 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-17-19-180621

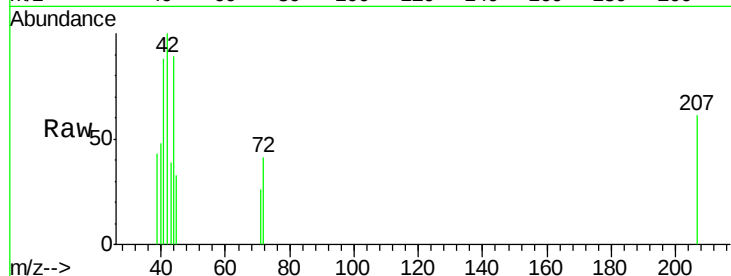
Tgt Ion: 42 Resp: 620

Ion Ratio Lower Upper

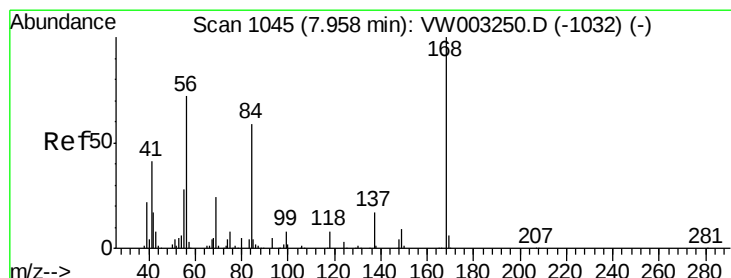
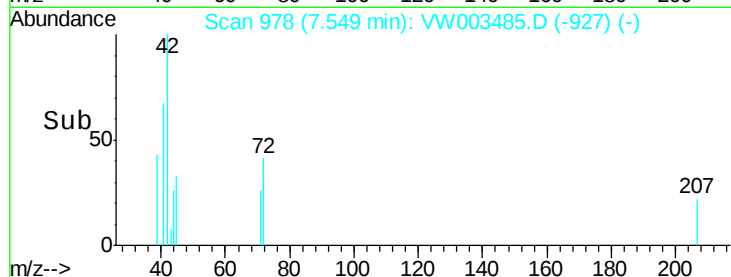
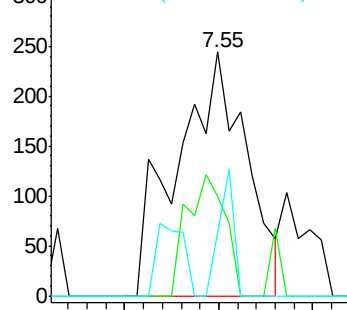
42 100

72 27.4 32.4 48.6#

71 11.3 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.472 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

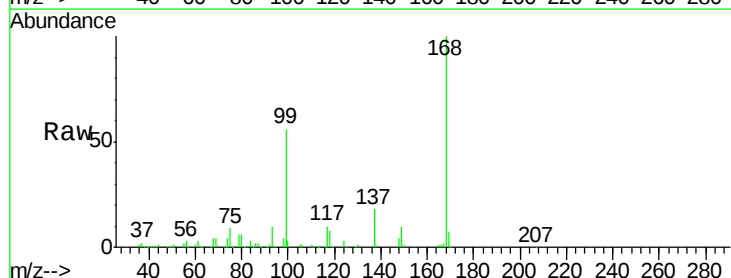
Tgt Ion: 56 Resp: 3900

Ion Ratio Lower Upper

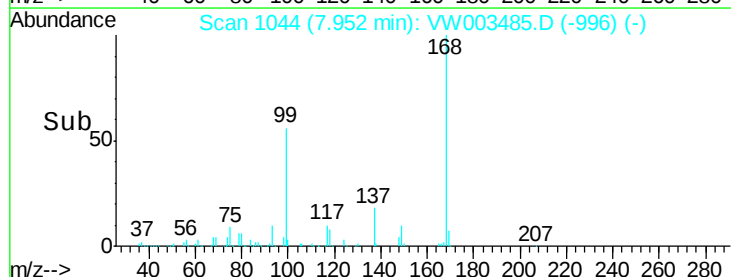
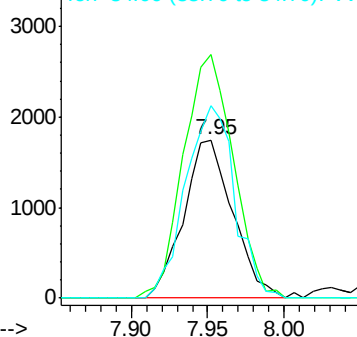
56 100

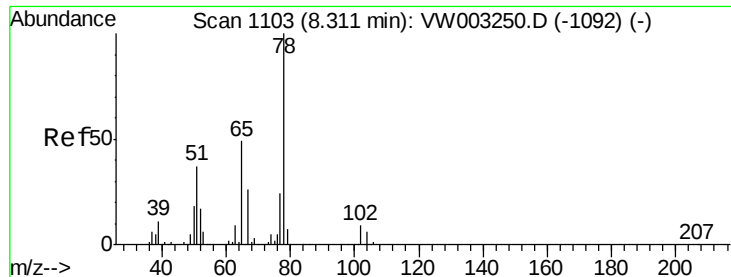
69 154.0 26.3 39.5#

84 121.9 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: 64.555 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

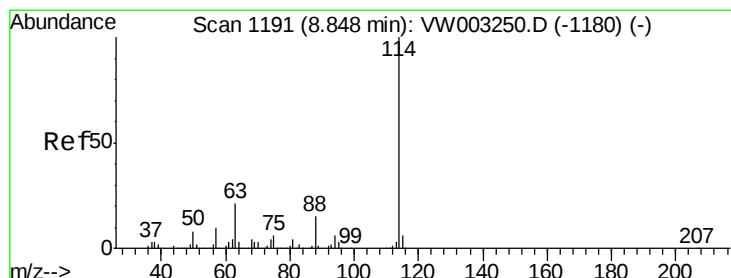
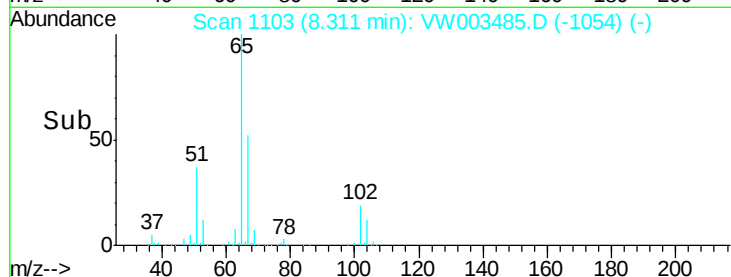
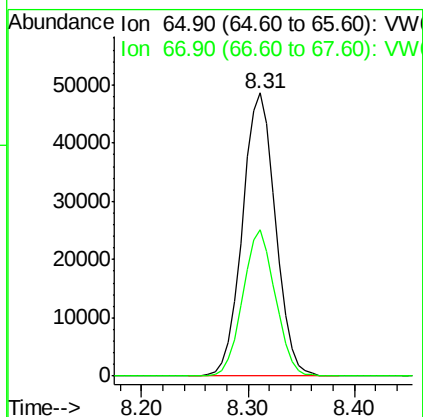
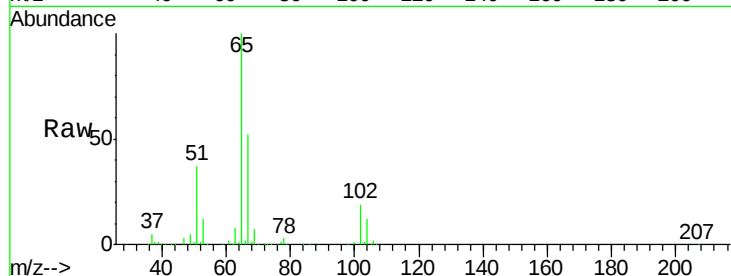
WP021SB487-17-19-180621

Tgt Ion: 65 Resp: 105811

Ion Ratio Lower Upper

65 100

67 50.9 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: VW003485.D

Acq: 24 Jun 2018 03:38

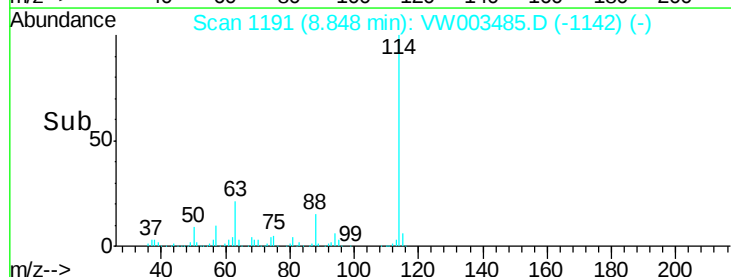
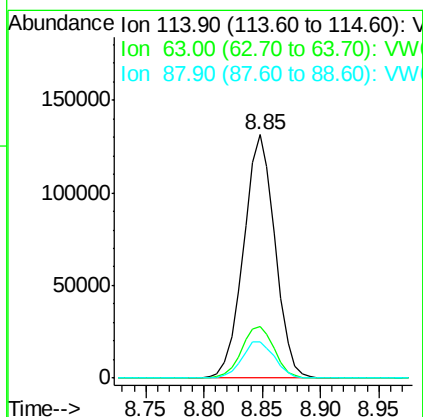
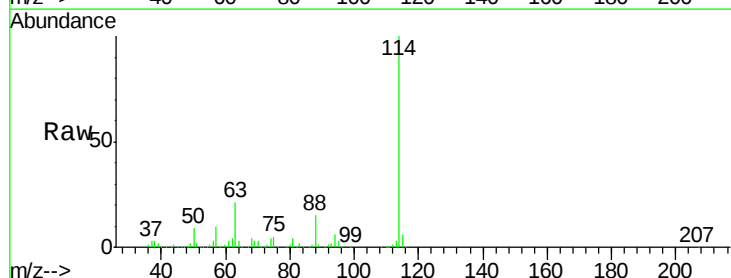
Tgt Ion: 114 Resp: 247047

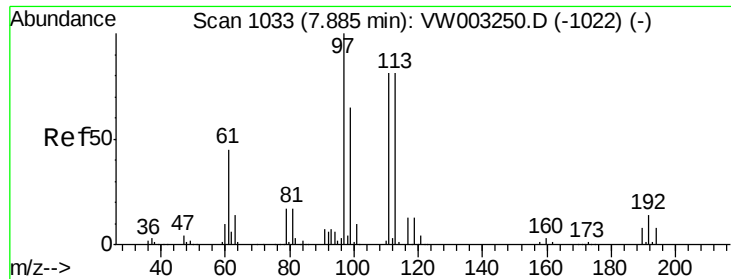
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 14.7 0.0 29.6

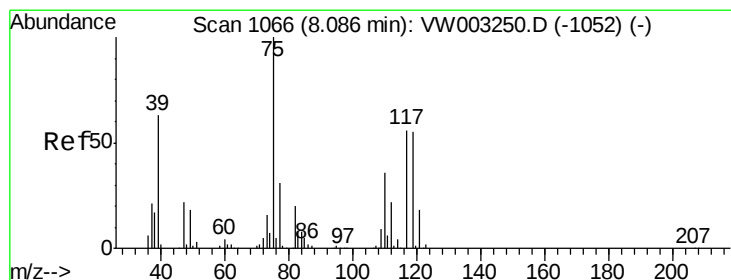
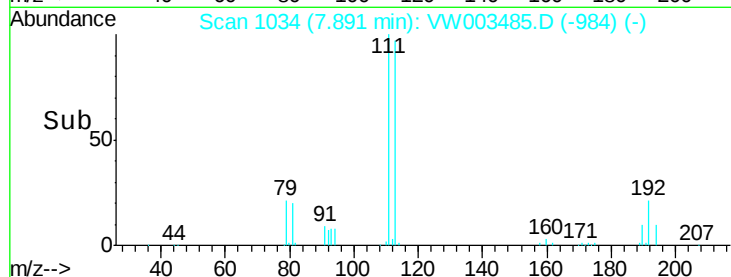
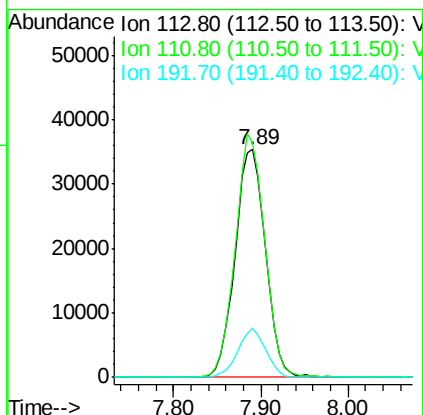
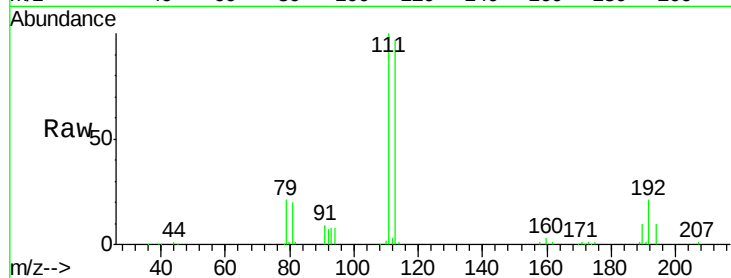




#35
Dibromofluoromethane
Concen: 55.673 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

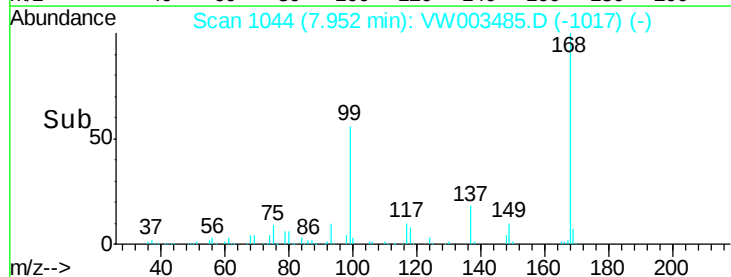
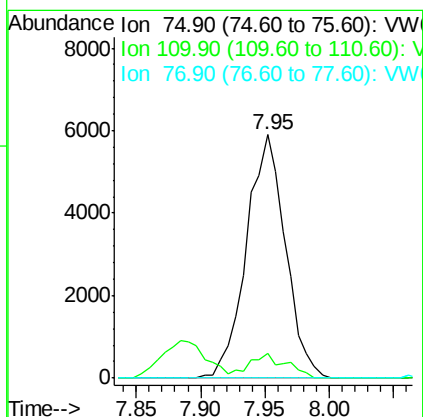
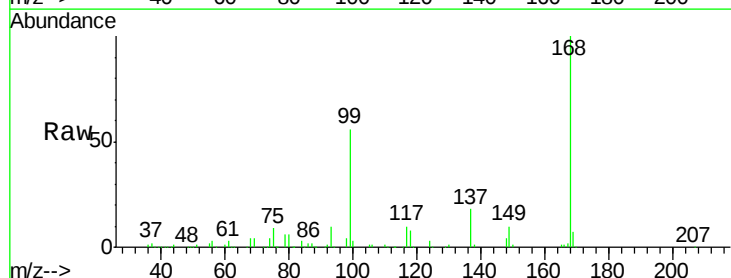
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

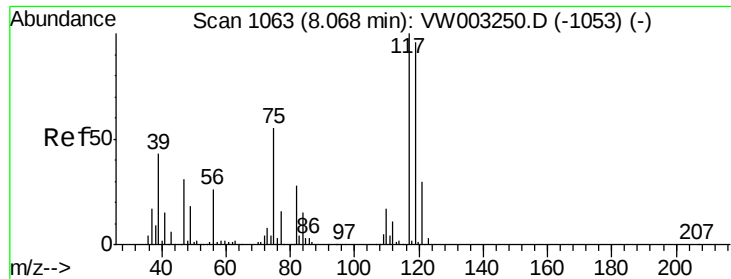
Tgt Ion:113 Resp: 85463
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.171 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.13 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion: 75 Resp: 12336
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.3#
77 0.0 24.9 37.3#

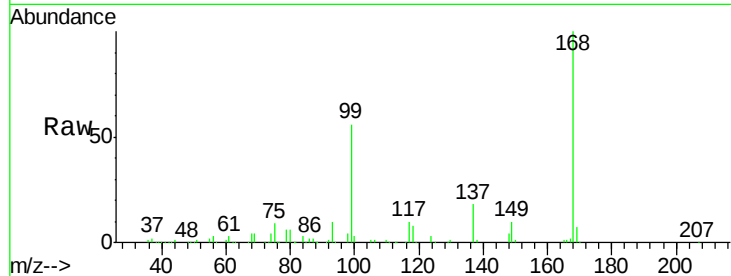




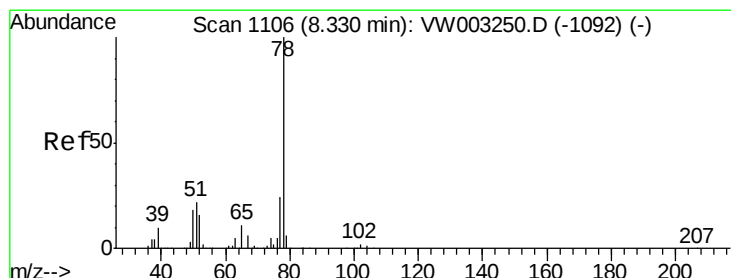
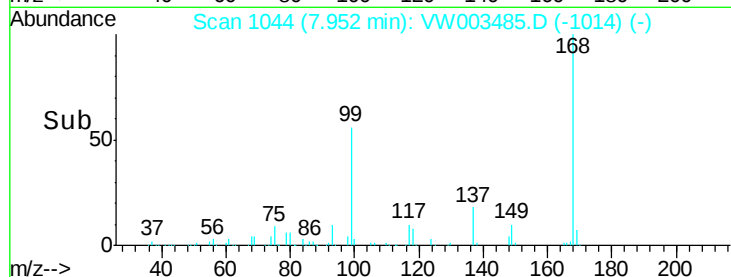
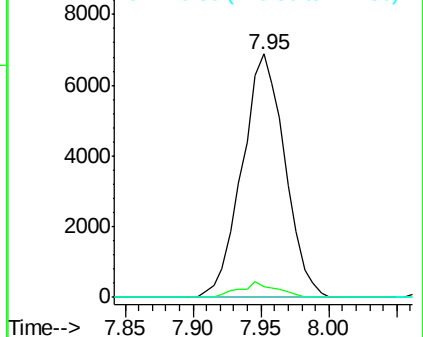
#38
Carbon Tetrachloride
Concen: 6.482 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

Tgt Ion:117 Resp: 15170
Ion Ratio Lower Upper
117 100
119 4.1 76.6 115.0#
121 0.0 23.9 35.9#

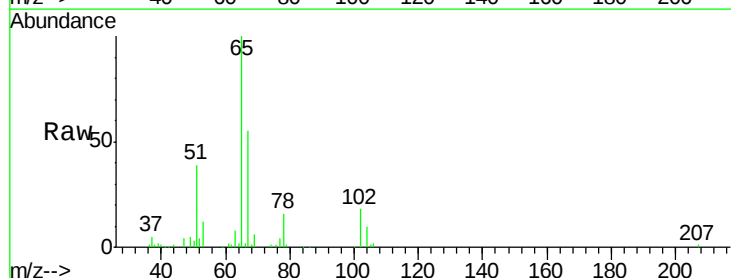


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

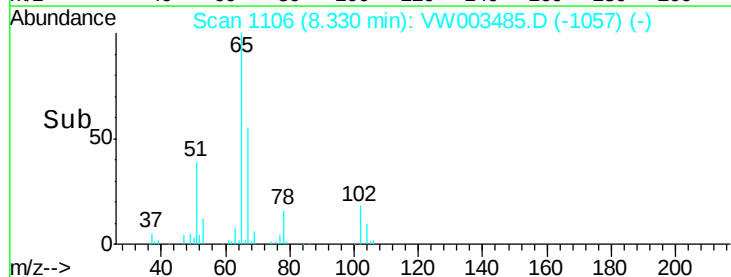
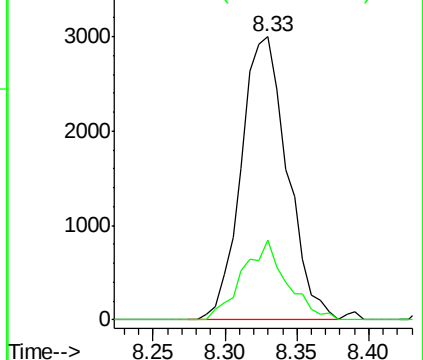


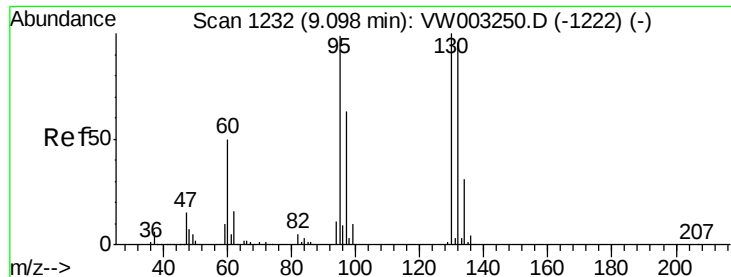
#40
Benzene
Concen: 1.016 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion: 78 Resp: 6680
Ion Ratio Lower Upper
78 100
77 28.1 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: 1.005 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

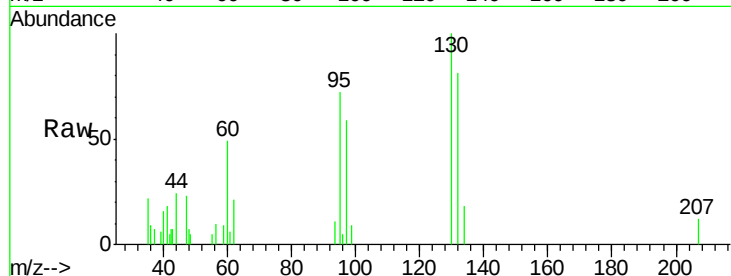
WP021SB487-17-19-180621

Tgt Ion:130 Resp: 1751

Ion Ratio Lower Upper

130 100

95 72.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.10

1200

1000

800

600

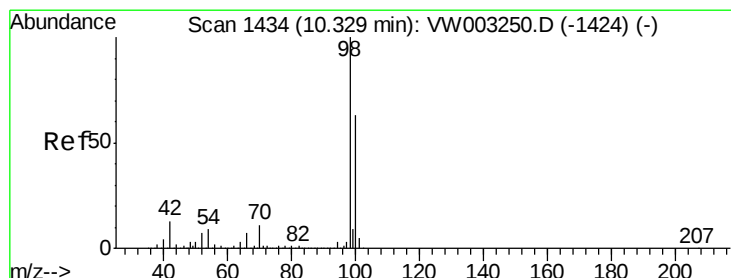
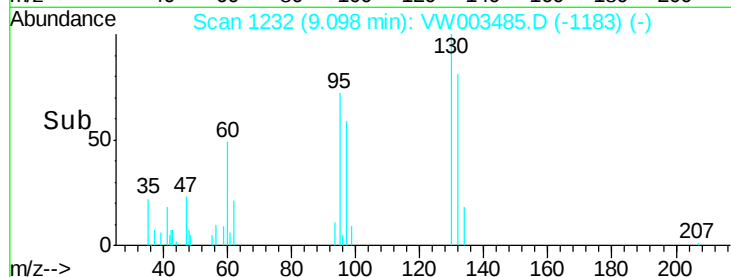
400

200

0

Time-->

9.05 9.10 9.15



#50

Toluene-d8

Concen: 47.109 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003485.D

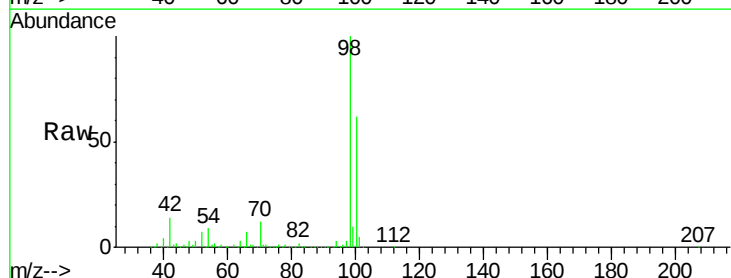
Acq: 24 Jun 2018 03:38

Tgt Ion: 98 Resp: 286750

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

200000

150000

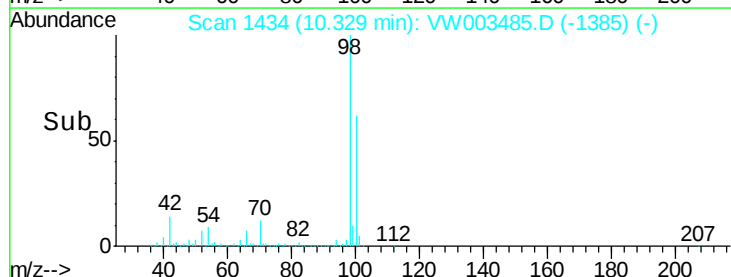
100000

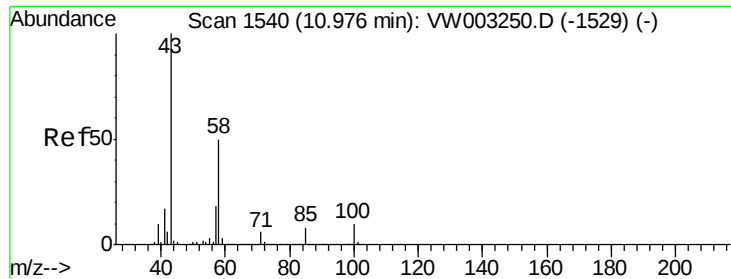
50000

0

Time-->

10.30 10.40

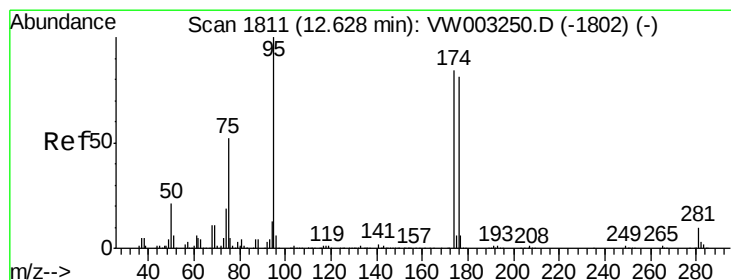
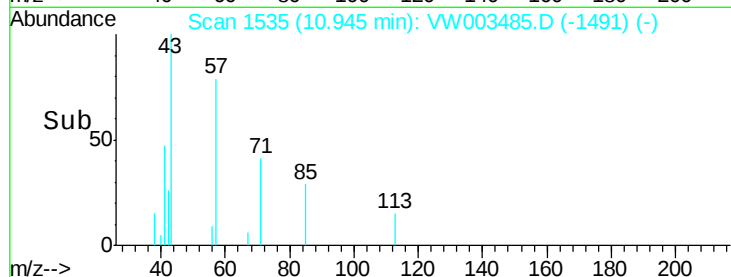
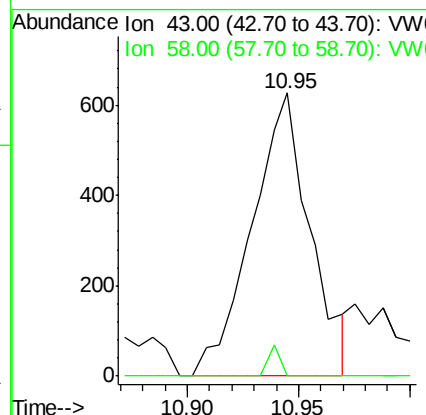
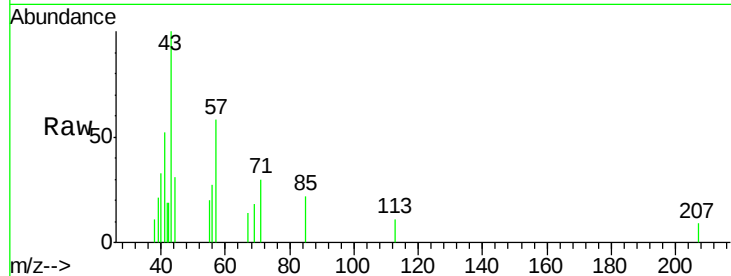




#59
2-Hexanone
Concen: 1.632 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.03 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

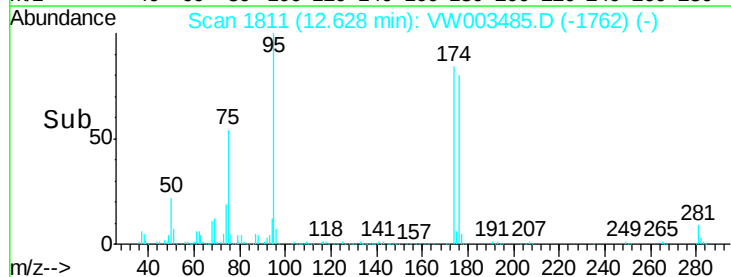
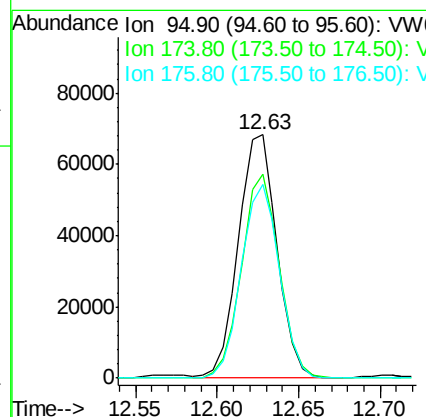
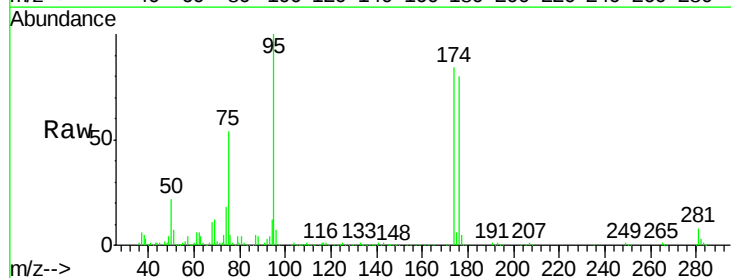
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

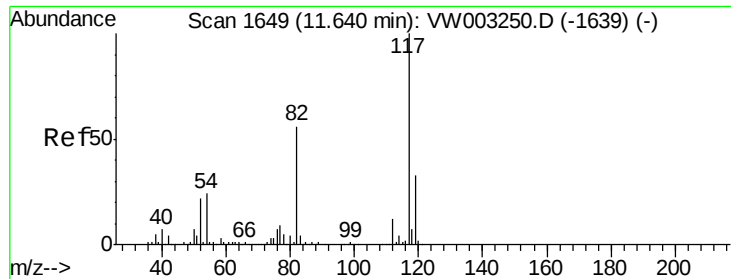
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
58 2.3 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 51.930 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion: 95 Resp: 111862
Ion Ratio Lower Upper
95 100
174 82.4 0.0 166.4
176 79.1 0.0 162.0

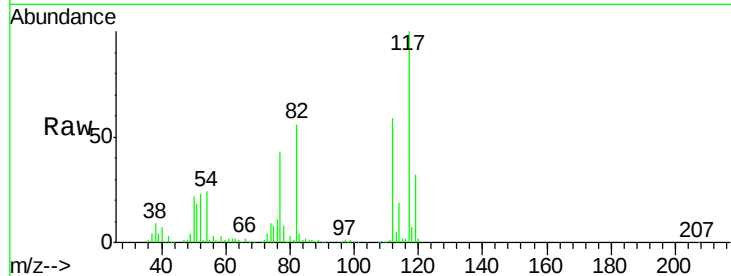




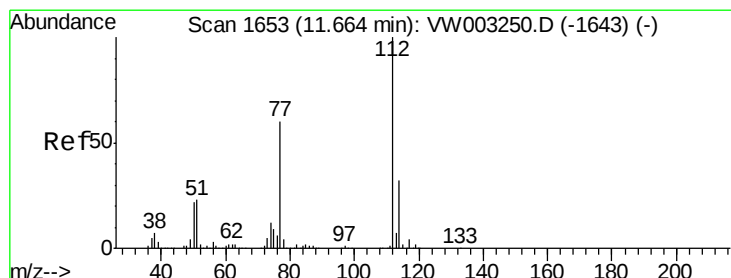
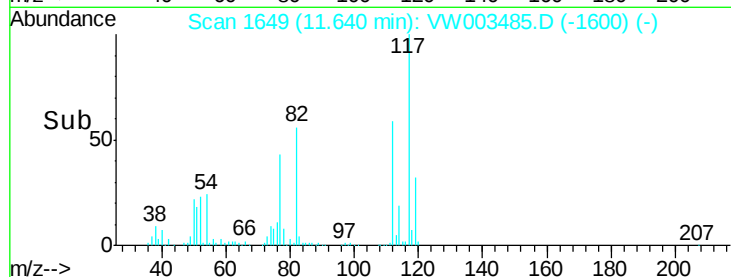
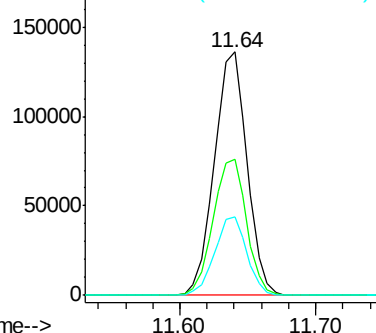
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

Tgt Ion:117 Resp: 228782
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 32.5 26.7 40.1

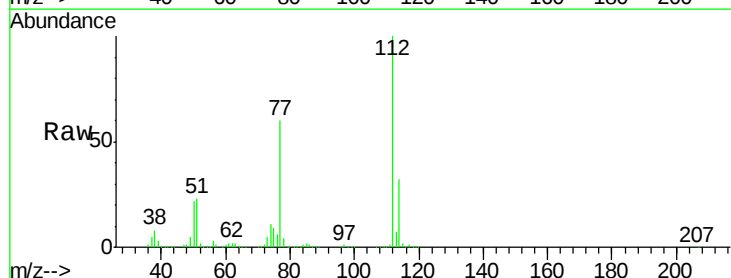


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

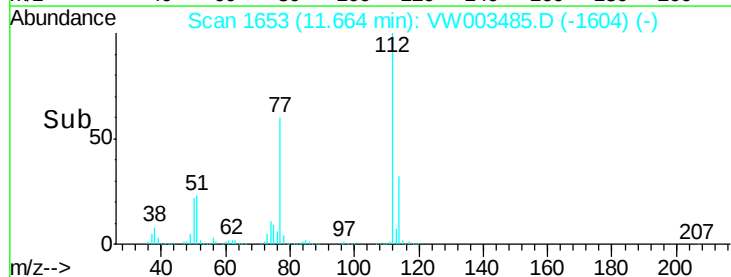
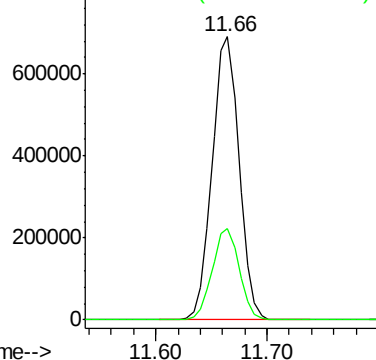


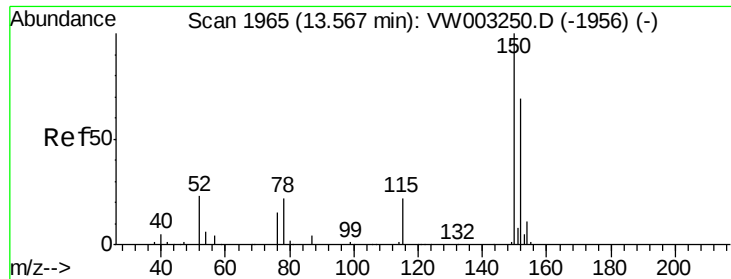
#65
Chlorobenzene
Concen: 242.904 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion:112 Resp: 1157241
Ion Ratio Lower Upper
112 100
114 32.4 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: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-17-19-180621

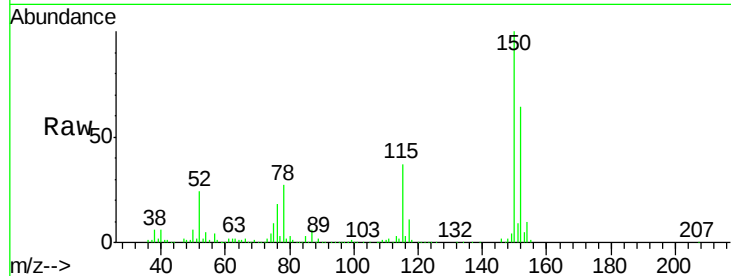
Tgt Ion:152 Resp: 117456

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

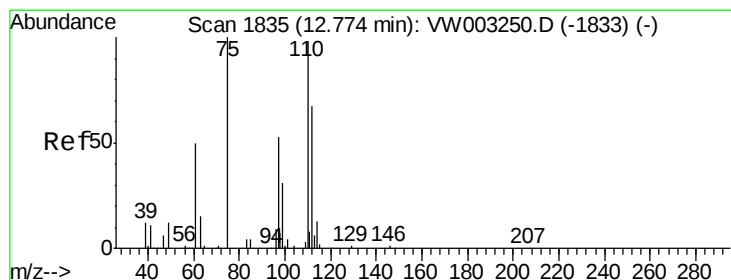
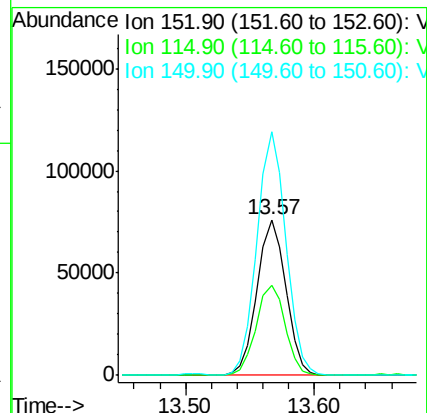
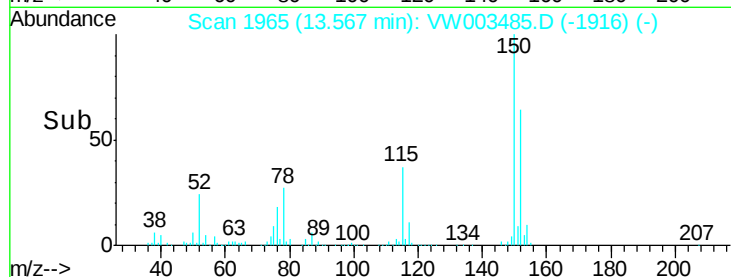
150 157.4 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 61.126 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003485.D

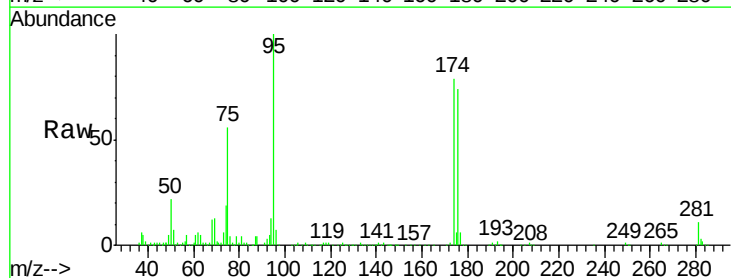
Acq: 24 Jun 2018 03:38

Tgt Ion: 75 Resp: 61377

Ion Ratio Lower Upper

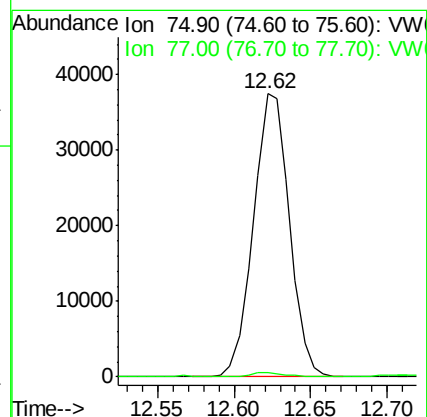
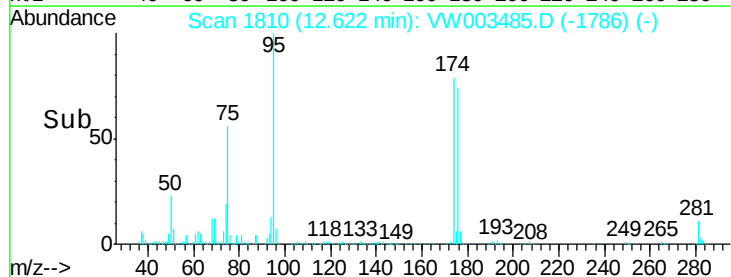
75 100

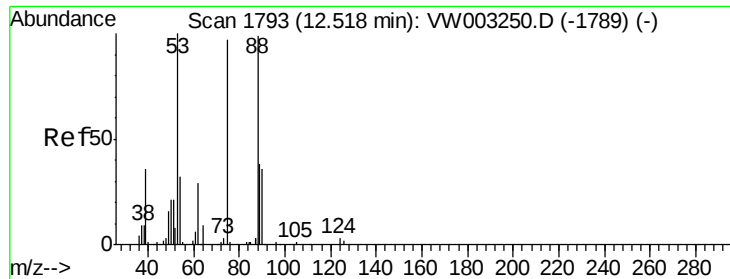
77 1.6 0.0 0.0#



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: 140.653 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-17-19-180621

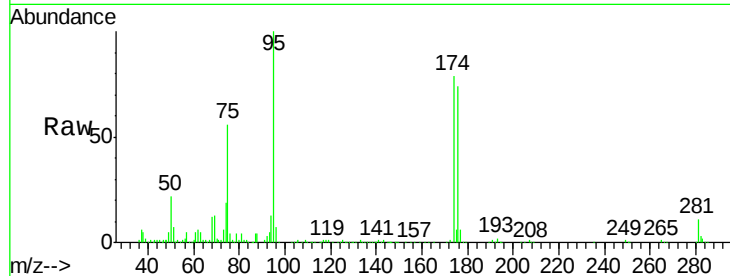
Tgt Ion: 75 Resp: 61377

Ion Ratio Lower Upper

75 100

53 1.1 82.9 124.3#

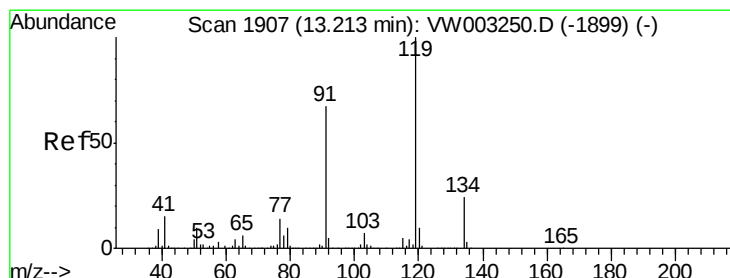
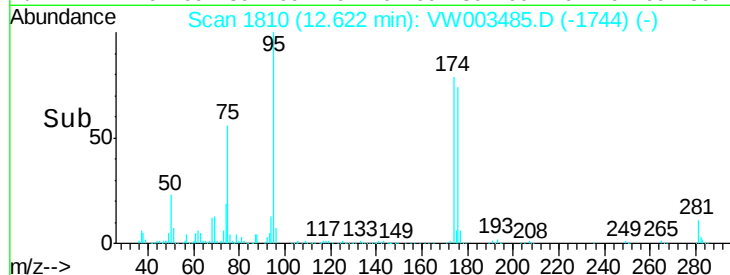
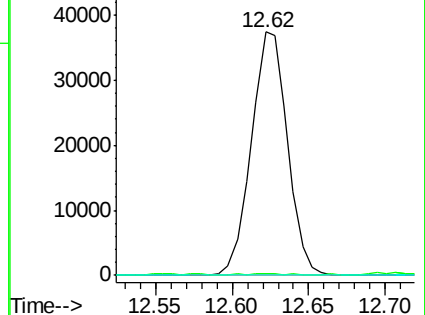
89 0.0 36.7 55.1#



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



#83

tert-Butylbenzene

Concen: 1.082 ug/l

RT: 13.22 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VW003485.D

Acq: 24 Jun 2018 03:38

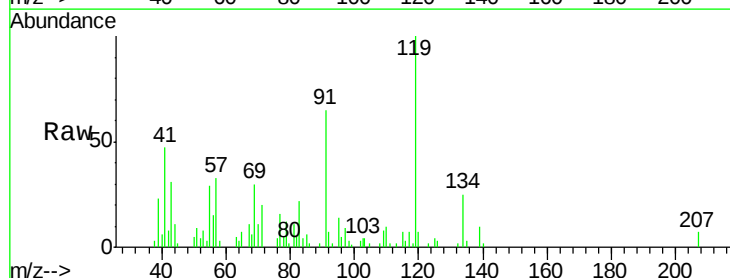
Tgt Ion: 119 Resp: 6323

Ion Ratio Lower Upper

119 100

91 71.8 33.9 101.7

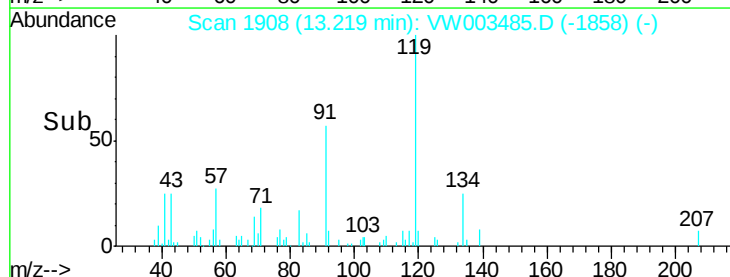
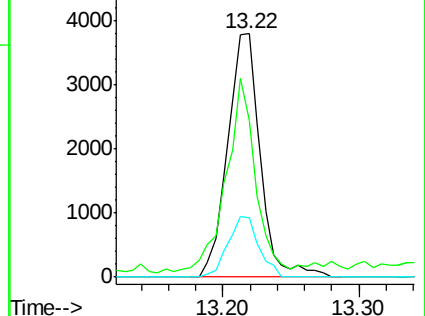
134 23.4 13.4 40.1

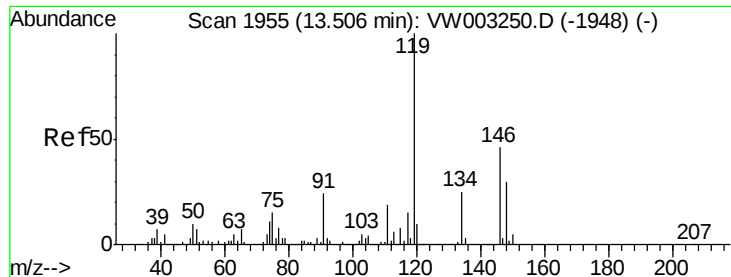


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

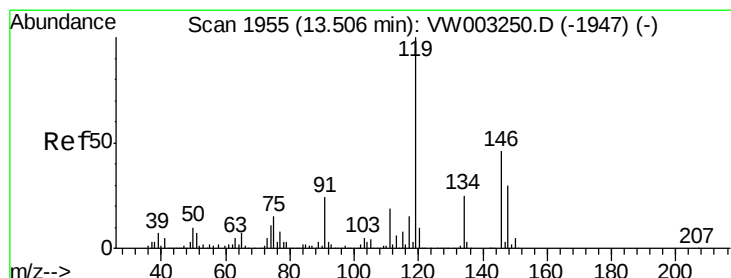
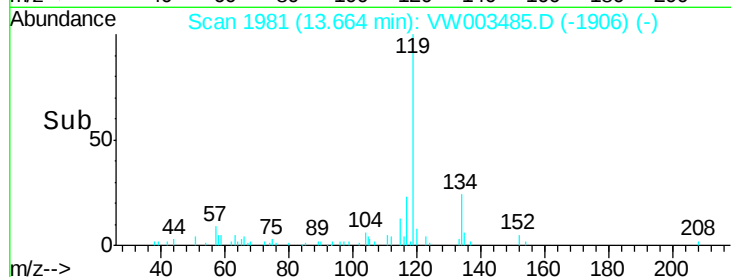
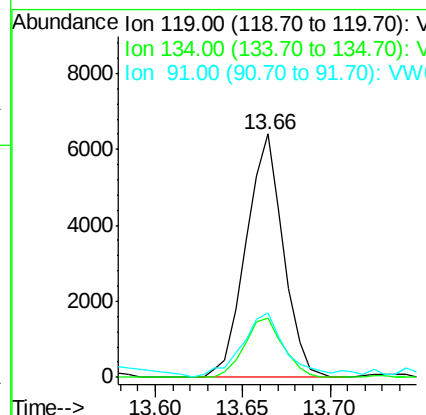
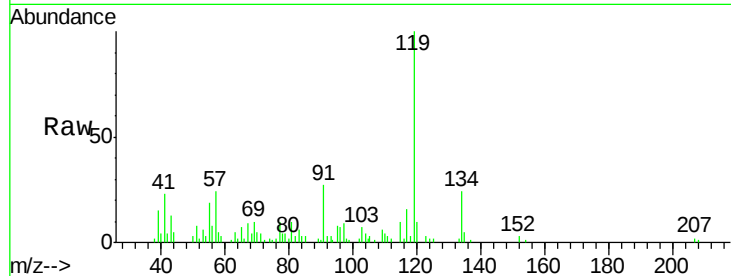




#86
p-Isopropyltoluene
Concen: 1.235 ug/l
RT: 13.66 min Scan# 1981
Delta R.T. 0.16 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

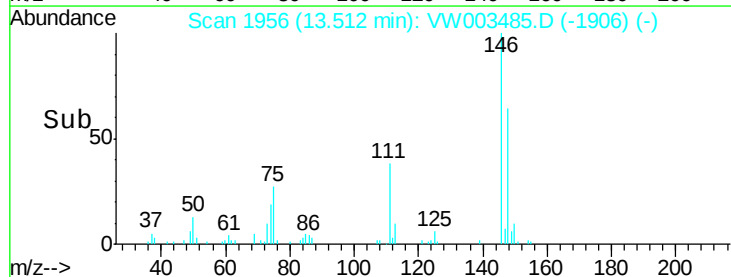
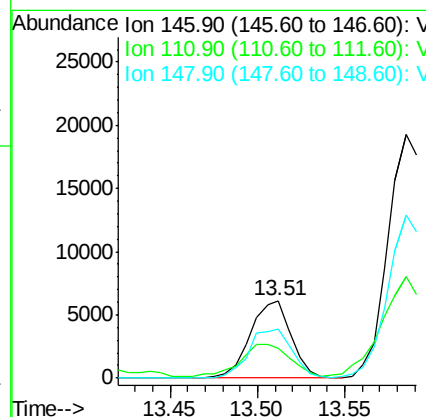
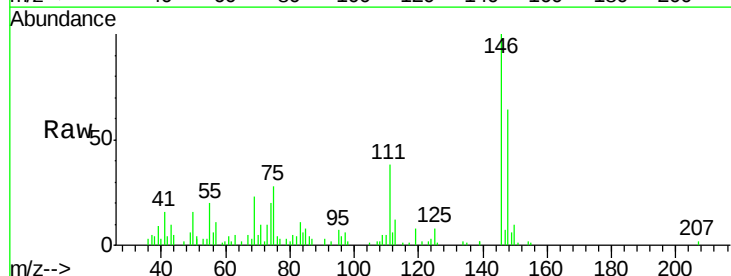
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-17-19-180621

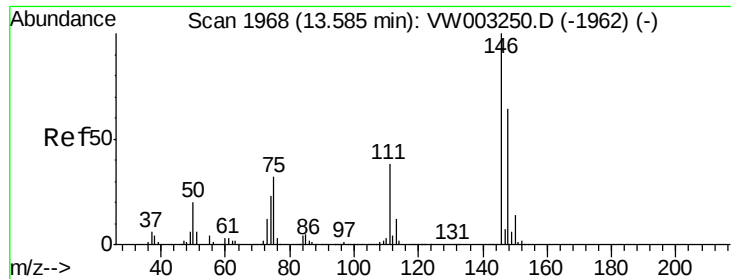
Tgt Ion:119 Resp: 9459
Ion Ratio Lower Upper
119 100
134 25.3 12.9 38.7
91 32.3 11.8 35.3



#87
1,3-Dichlorobenzene
Concen: 2.542 ug/l
RT: 13.51 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW003485.D
Acq: 24 Jun 2018 03:38

Tgt Ion:146 Resp: 9936
Ion Ratio Lower Upper
146 100
111 49.3 19.8 59.4
148 67.5 32.1 96.5

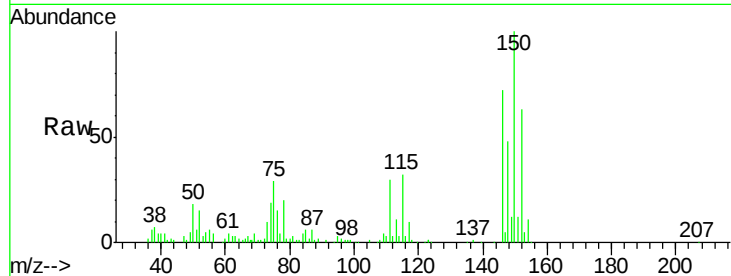




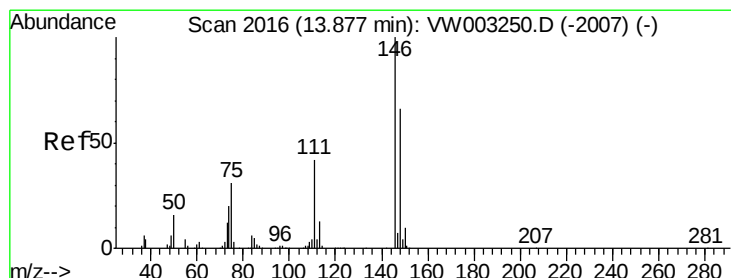
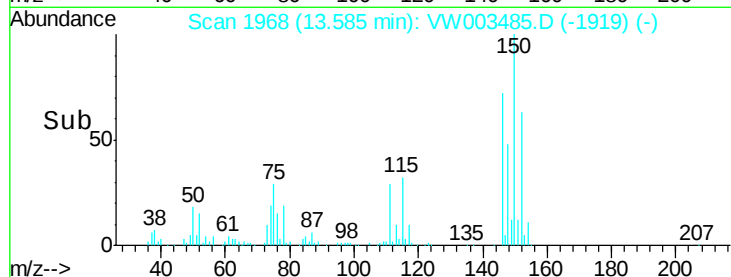
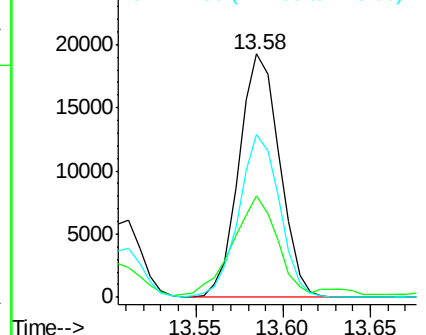
#88
 1,4-Dichlorobenzene
 Concen: 8.019 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-17-19-180621

Tgt Ion:146 Resp: 31158
 Ion Ratio Lower Upper
 146 100
 111 44.0 19.2 57.6
 148 67.2 31.8 95.4

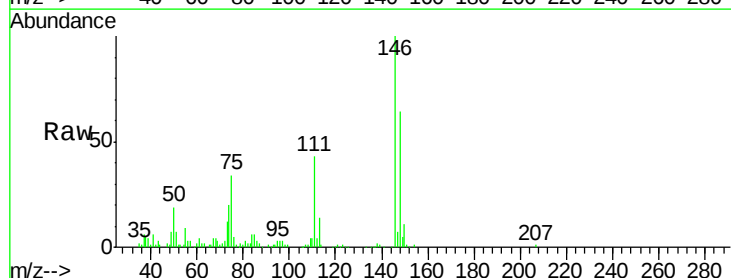


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 19.593 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003485.D
 Acq: 24 Jun 2018 03:38

Tgt Ion:146 Resp: 67081
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.3 61.0
 148 64.4 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

