

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011661.D
 Acq On : 03 Aug 2019 13:13
 Operator : SY/VA
 Sample : K4145-08
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB203-GW-618-620

Quant Time: Aug 04 01:43:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	142294	61.29	ug/l	0.00
Spiked Amount			Recovery	=	122.58%	
35) Dibromofluoromethane	7.88	113	107755	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
50) Toluene-d8	10.32	98	420729	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.62	95	145705	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

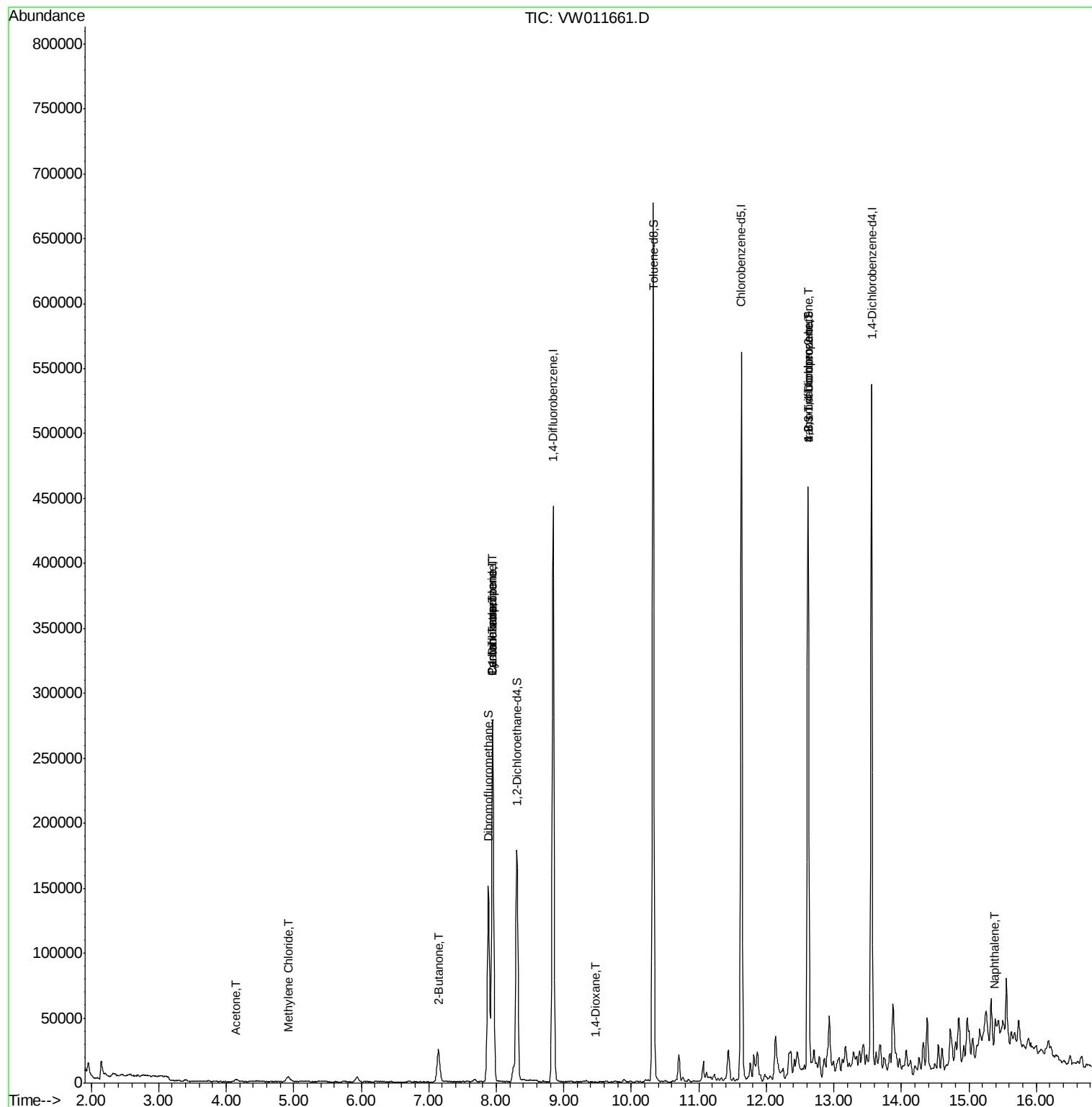
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	180	Below Cal		99
16) Acetone	4.14	43	4011	5.432	ug/l	91
20) Methylene Chloride	4.93	84	2968	1.165	ug/l #	79
25) 2-Butanone	7.15	43	1951	2.019	ug/l #	88
31) Cyclohexane	7.95	56	5609	1.292	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	17735	4.989	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20321	6.677	ug/l #	16
49) 1,4-Dioxane	9.47	88	52	2.953	ug/l #	37
76) 1,2,3-Trichloropropane	12.62	75	77987	57.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77987	131.516	ug/l #	6
95) Naphthalene	15.37	128	1787	2.402	ug/l #	90

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

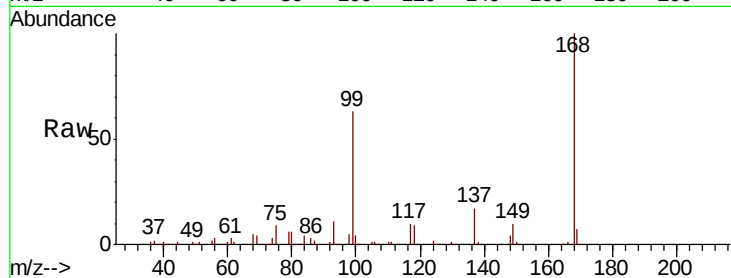
BP-VPB203-GW-618-620

Tgt Ion: 168 Resp: 202173

Ion Ratio Lower Upper

168 100

99 63.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

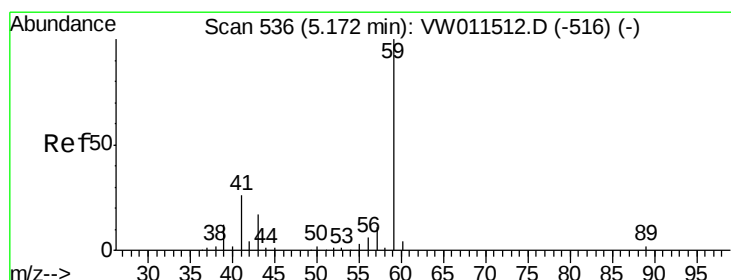
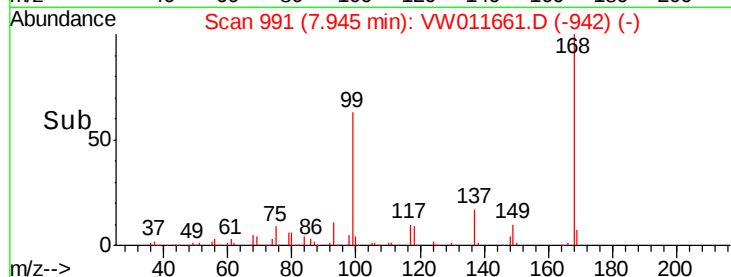
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW011661.D

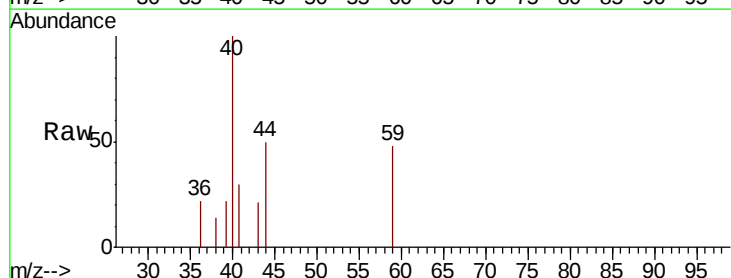
Acq: 03 Aug 2019 13:13

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

59 100

57 11.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

100

50

0

5.15

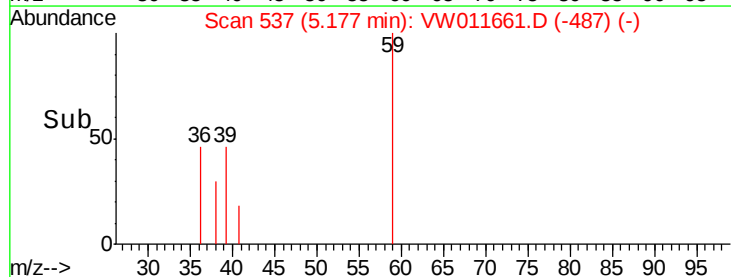
5.16

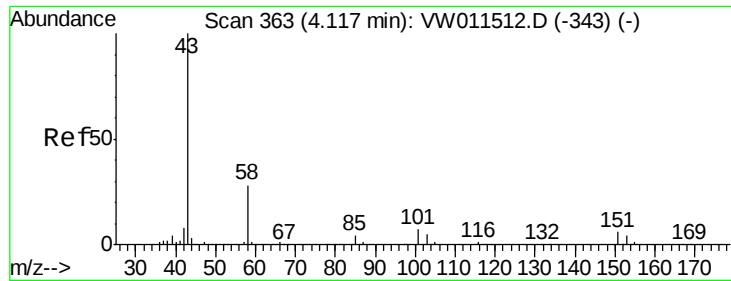
5.17

5.18

5.19

Time-->





#16

Acetone

Concen: 5.432 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

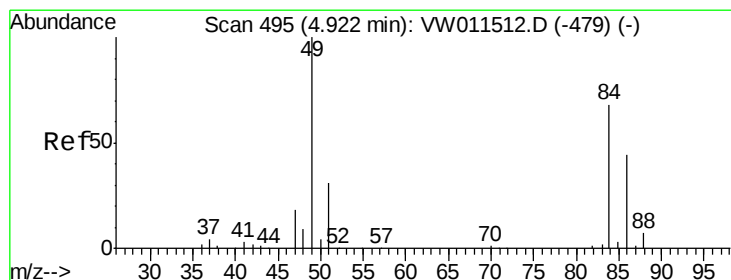
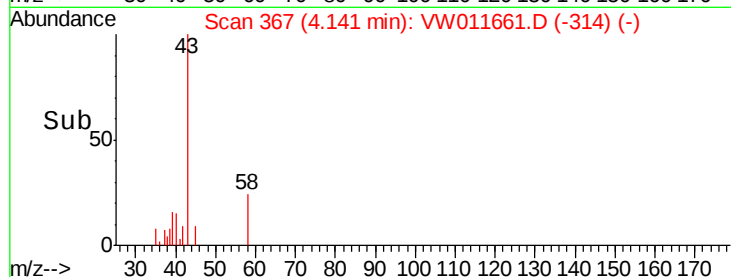
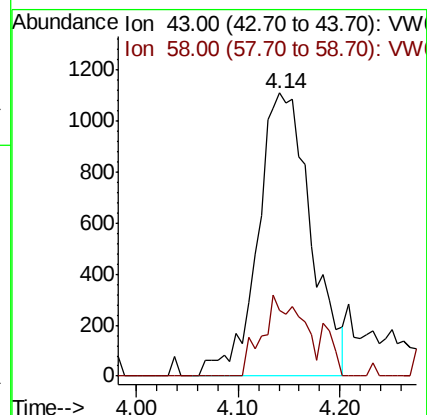
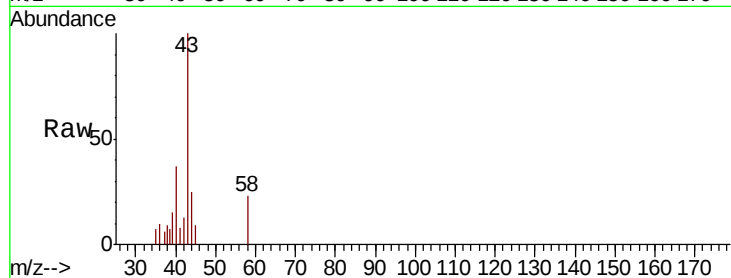
BP-VPB203-GW-618-620

Tgt Ion: 43 Resp: 4011

Ion Ratio Lower Upper

43 100

58 23.2 22.3 33.5



#20

Methylene Chloride

Concen: 1.165 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Tgt Ion: 84 Resp: 2968

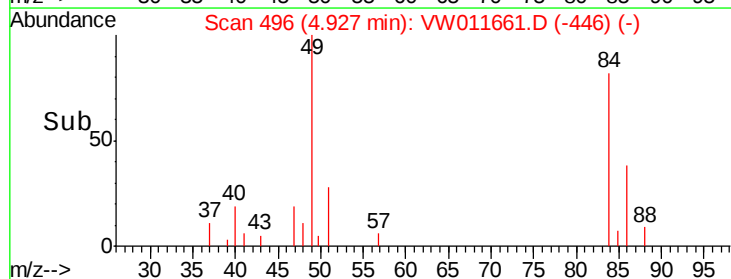
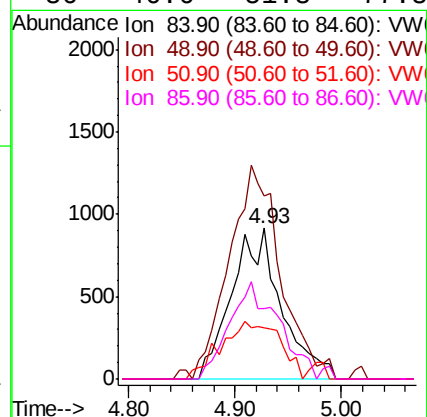
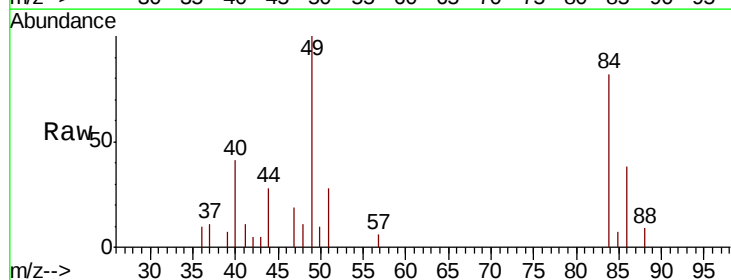
Ion Ratio Lower Upper

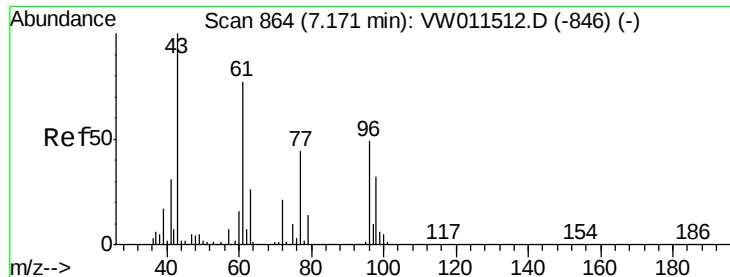
84 100

49 121.7 117.8 176.6

51 33.9 37.0 55.4#

86 46.6 51.8 77.8#





#25

2-Butanone

Concen: 2.019 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

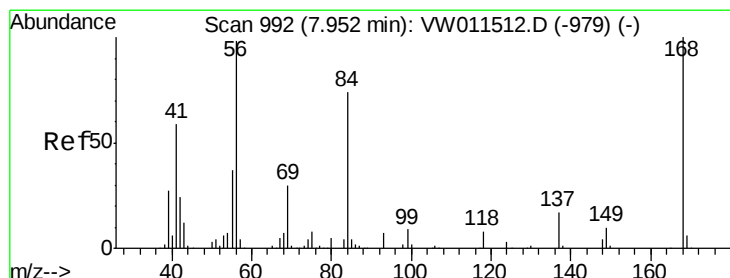
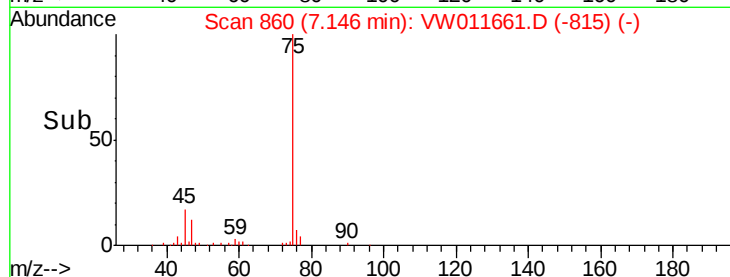
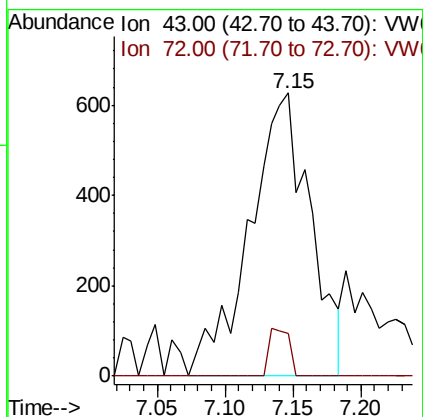
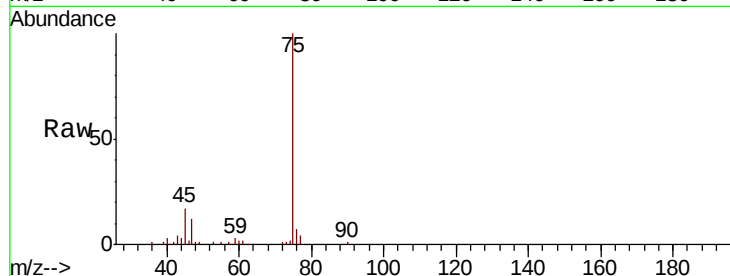
BP-VPB203-GW-618-620

Tgt Ion: 43 Resp: 1951

Ion Ratio Lower Upper

43 100

72 15.0 16.6 24.8#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

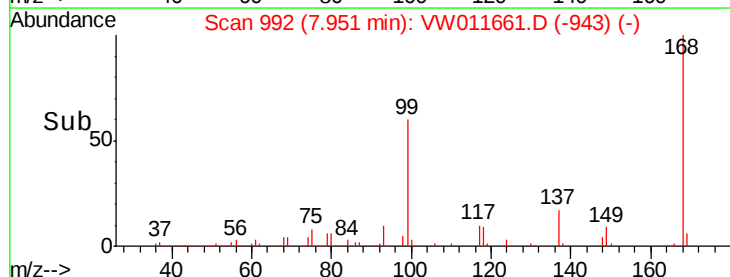
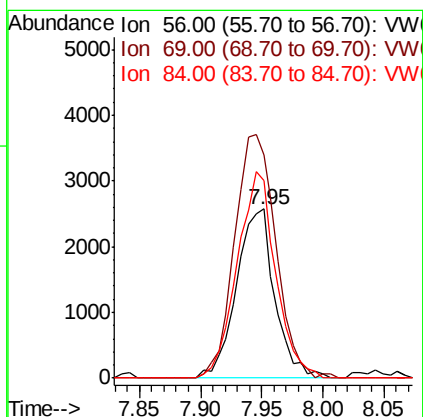
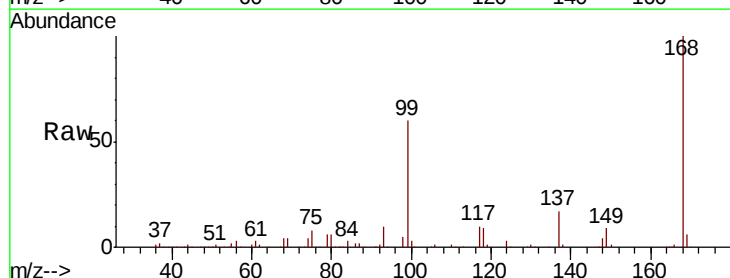
Tgt Ion: 56 Resp: 5609

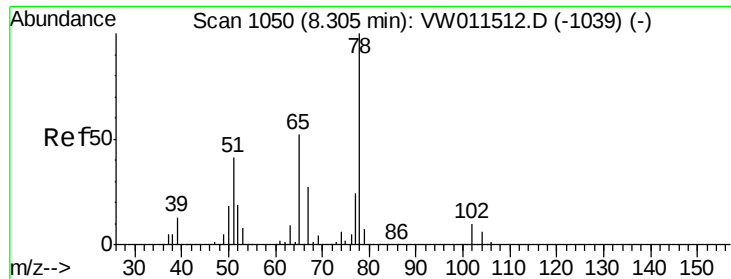
Ion Ratio Lower Upper

56 100

69 132.1 24.3 36.5#

84 116.5 60.4 90.6#

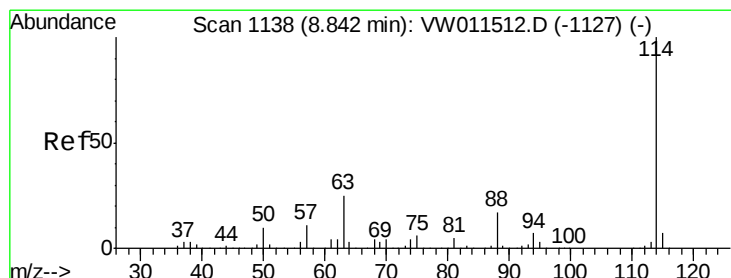
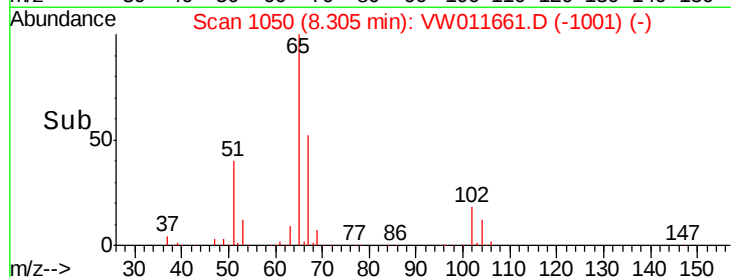
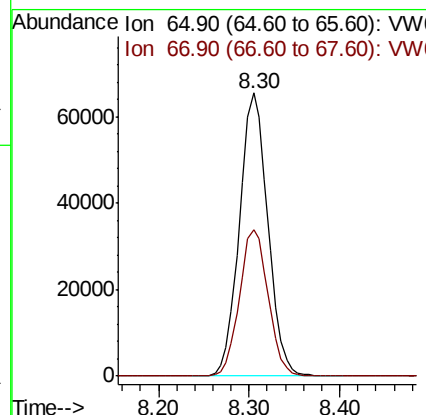
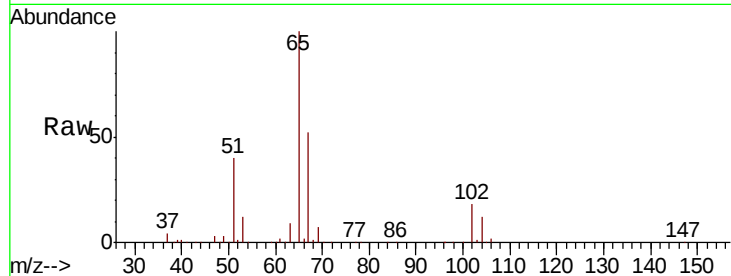




#33
 1,2-Dichloroethane-d4
 Concen: 61.294 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011661.D
 Acq: 03 Aug 2019 13:13

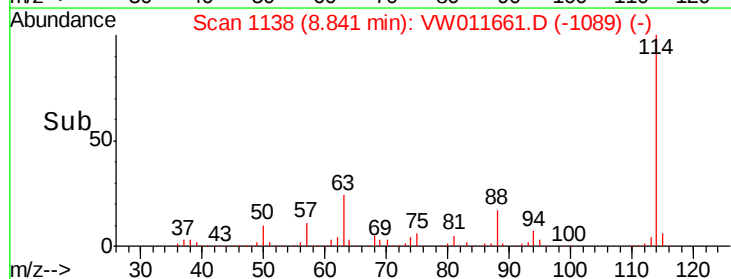
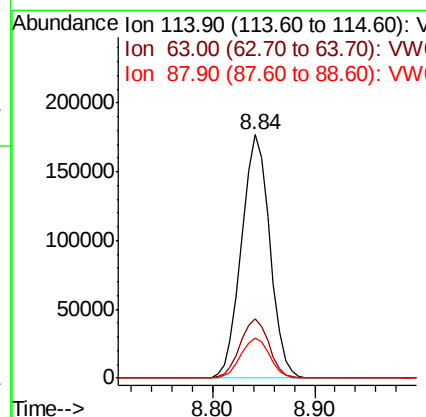
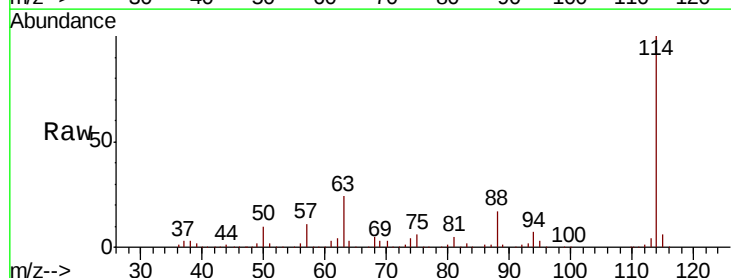
Instrument :
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 ClientSampleId :
 BP-VPB203-GW-618-620

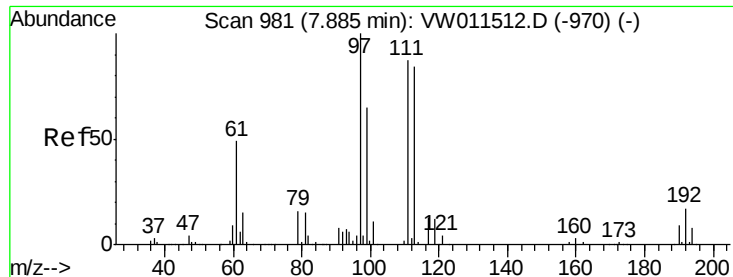
Tgt Ion: 65 Resp: 142294
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011661.D
 Acq: 03 Aug 2019 13:13

Tgt Ion: 114 Resp: 341888
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.7 0.0 33.8

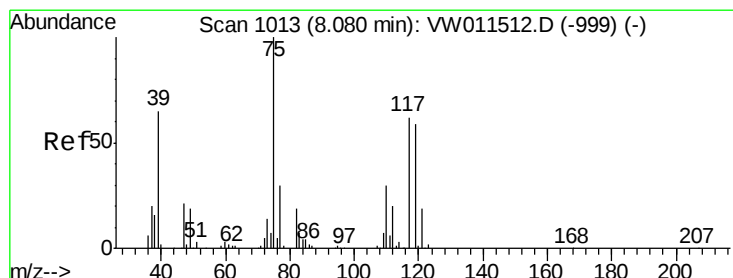
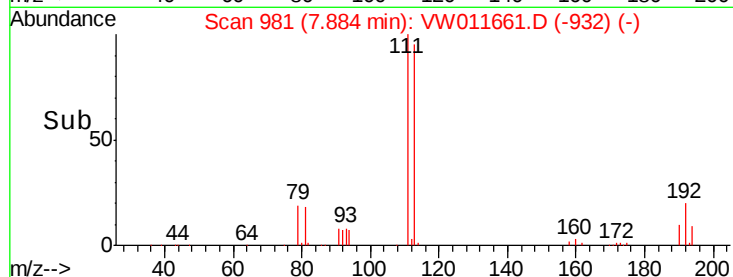
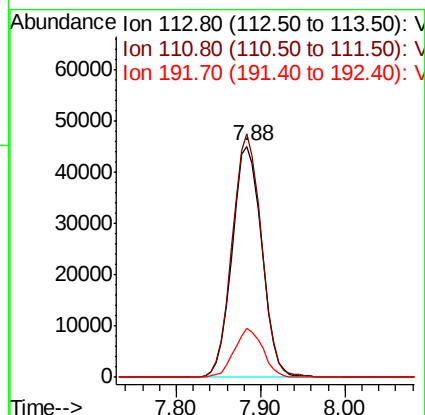
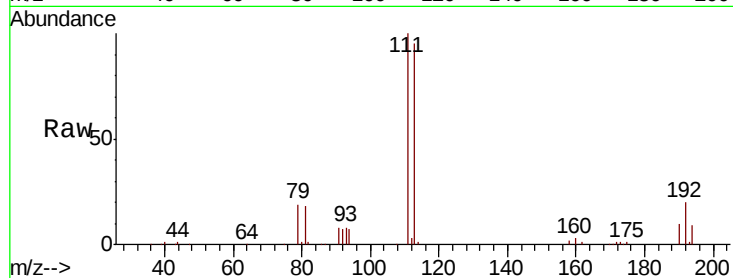




#35
 Dibromofluoromethane
 Concen: 56.179 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011661.D
 Acq: 03 Aug 2019 13:13

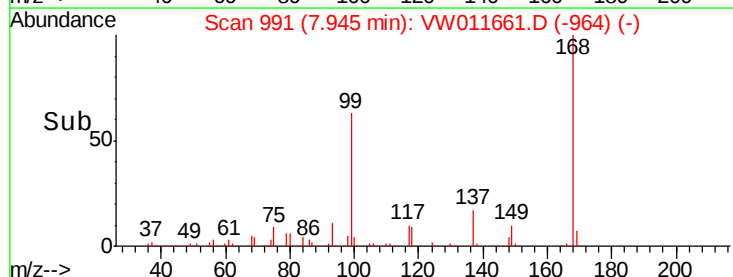
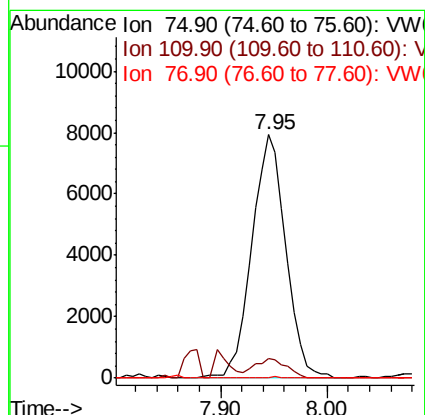
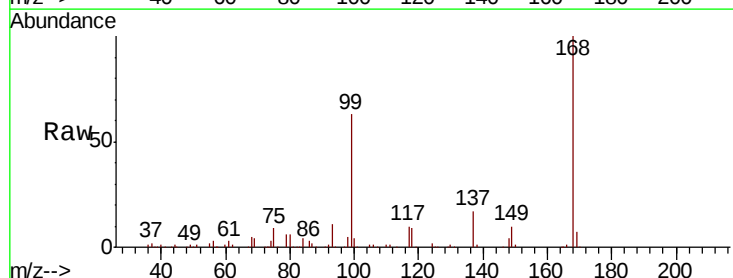
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 BP-VPB203-GW-618-620

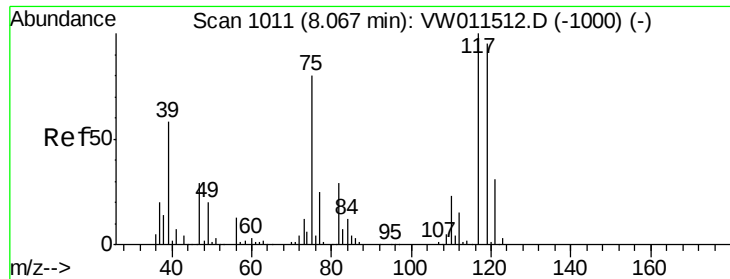
Tgt Ion: 113 Resp: 107755
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.3 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.989 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011661.D
 Acq: 03 Aug 2019 13:13

Tgt Ion: 75 Resp: 17735
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.6 46.8#
 77 0.1 24.3 36.5#

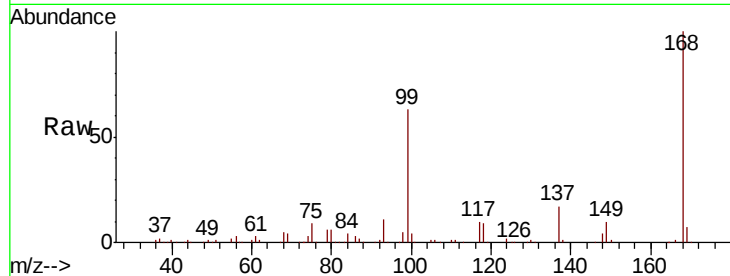




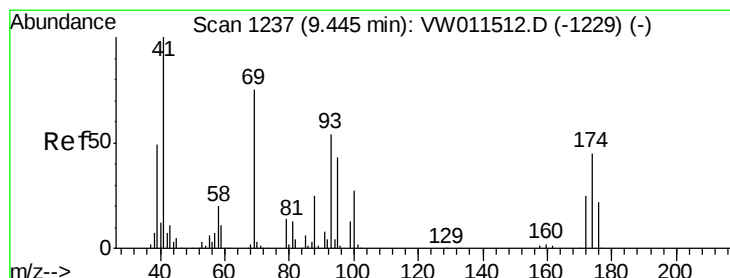
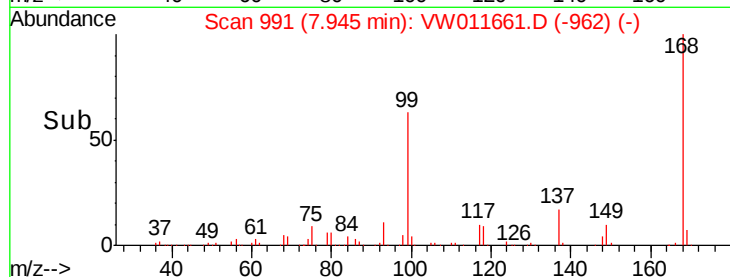
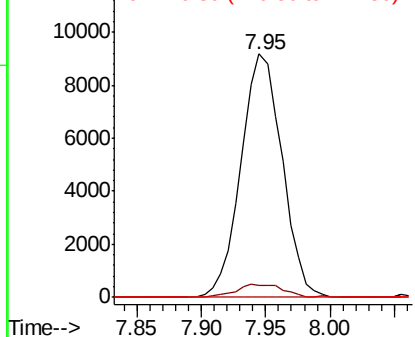
#38
Carbon Tetrachloride
Concen: 6.677 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011661.D
Acq: 03 Aug 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB203-GW-618-620

Tgt Ion: 117 Resp: 20321
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.7 37.1#

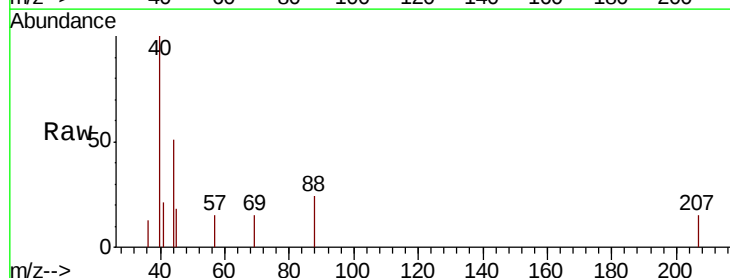


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

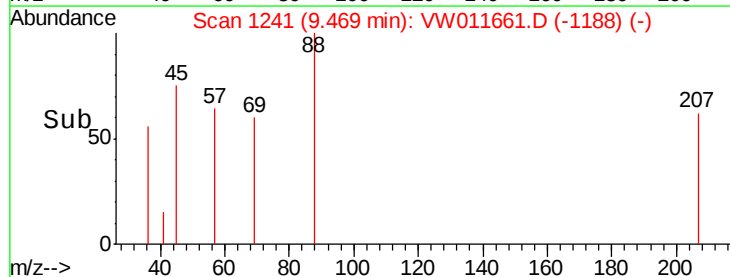
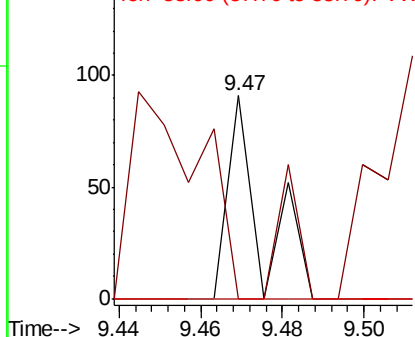


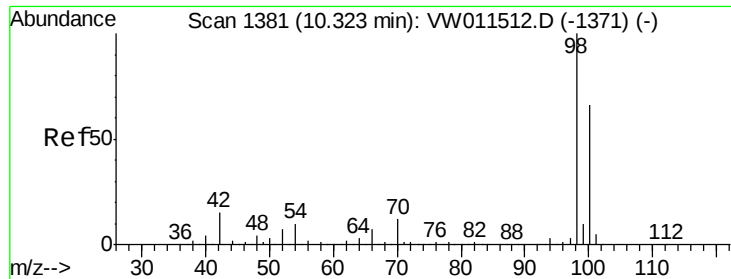
#49
1,4-Dioxane
Concen: 2.953 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW011661.D
Acq: 03 Aug 2019 13:13

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 42.3 34.0 51.0
58 0.0 69.7 104.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.575 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

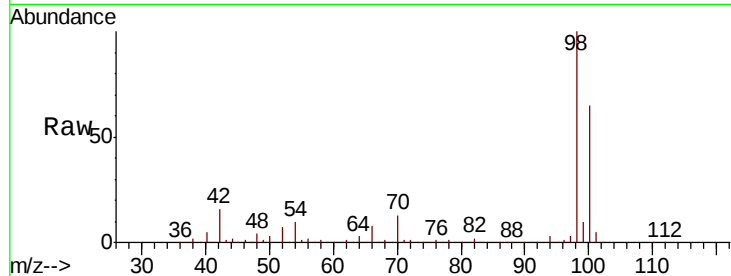
BP-VPB203-GW-618-620

Tgt Ion: 98 Resp: 420729

Ion Ratio Lower Upper

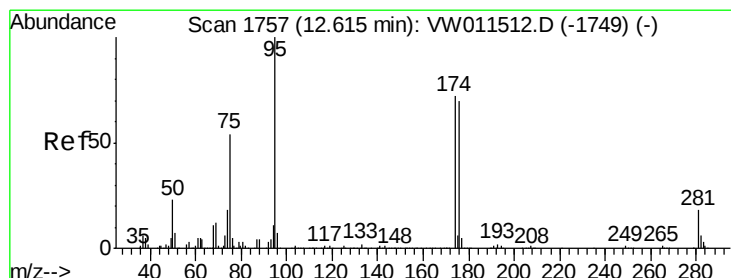
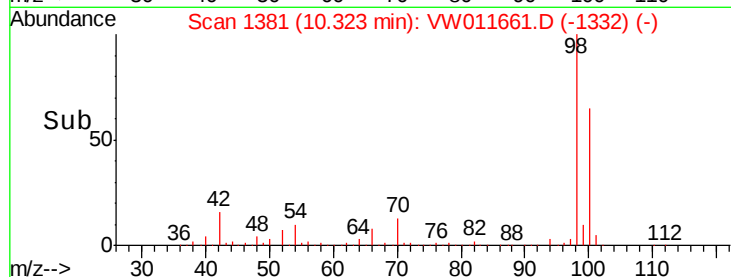
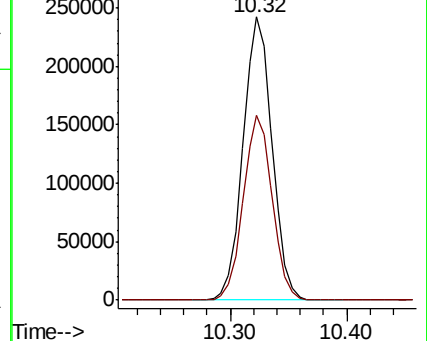
98 100

100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 52.042 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

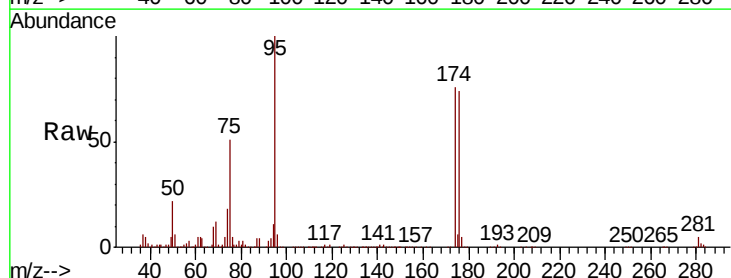
Tgt Ion: 95 Resp: 145705

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

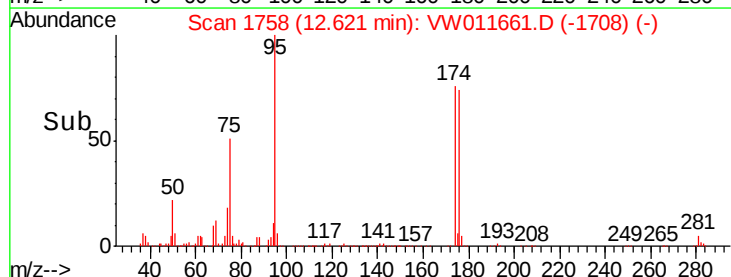
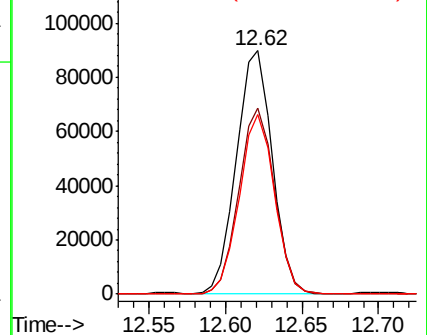
176 72.8 0.0 144.4

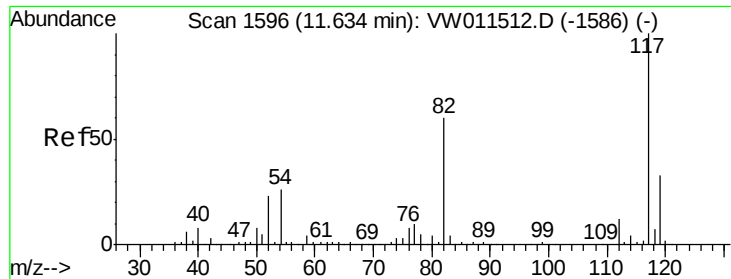


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

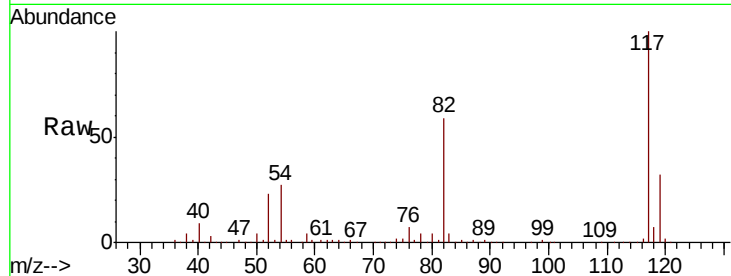




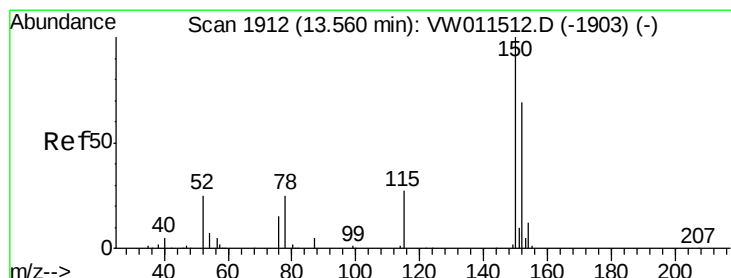
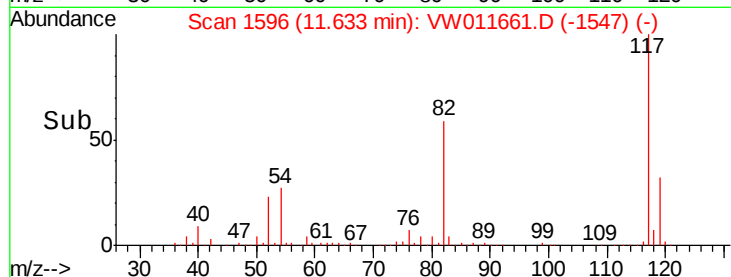
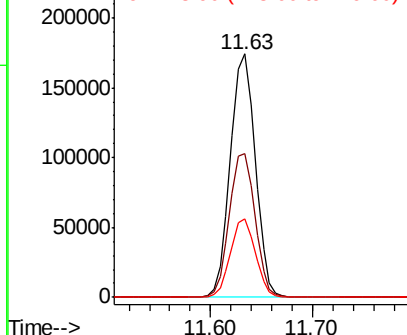
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011661.D
Acq: 03 Aug 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB203-GW-618-620

Tgt Ion:117 Resp: 295094
Ion Ratio Lower Upper
117 100
82 59.2 47.9 71.9
119 32.0 26.2 39.2

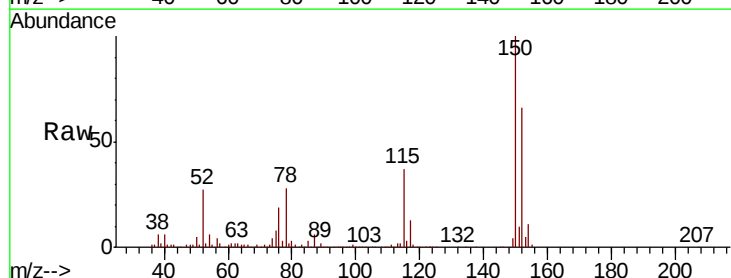


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

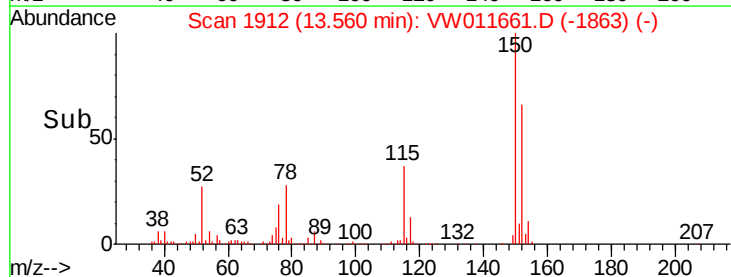
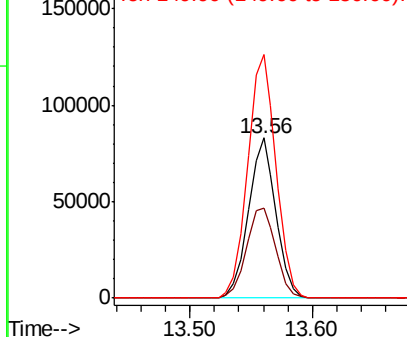


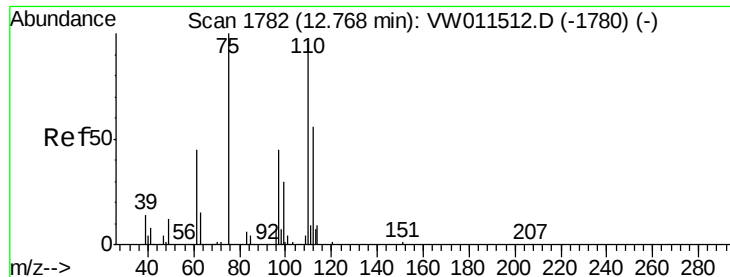
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011661.D
Acq: 03 Aug 2019 13:13

Tgt Ion:152 Resp: 129157
Ion Ratio Lower Upper
152 100
115 60.1 30.5 91.5
150 156.8 0.0 352.6



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: 57.065 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

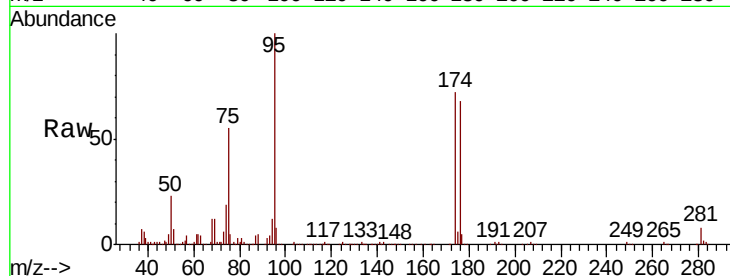
BP-VPB203-GW-618-620

Tgt Ion: 75 Resp: 77987

Ion Ratio Lower Upper

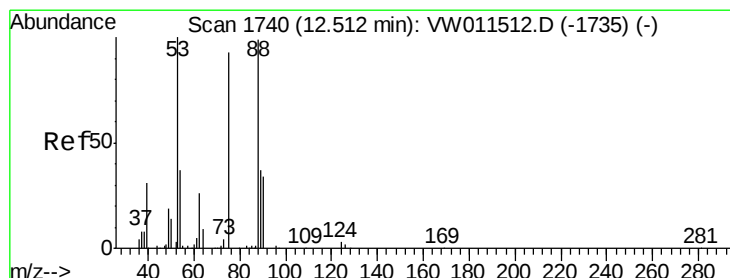
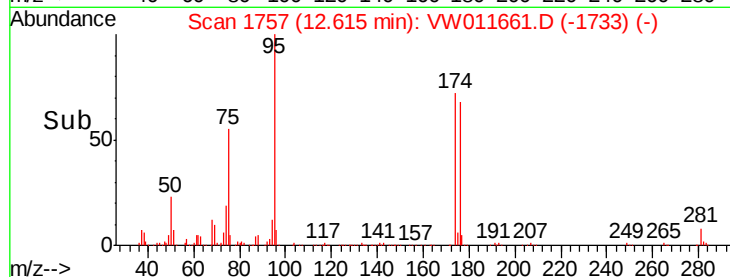
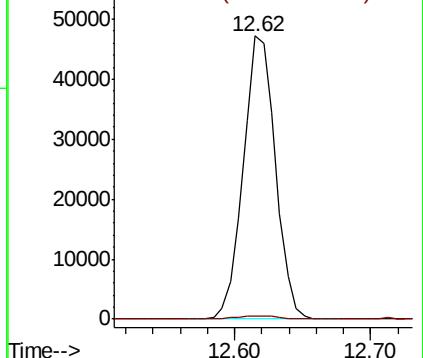
75 100

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: 131.516 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

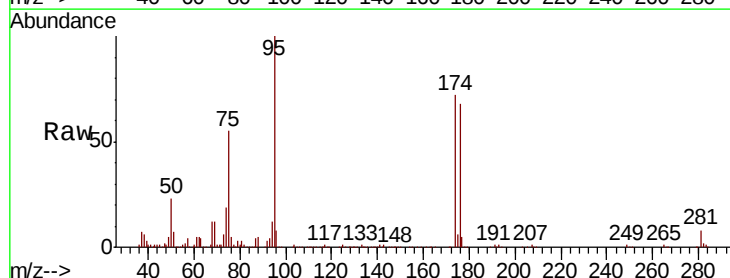
Tgt Ion: 75 Resp: 77987

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

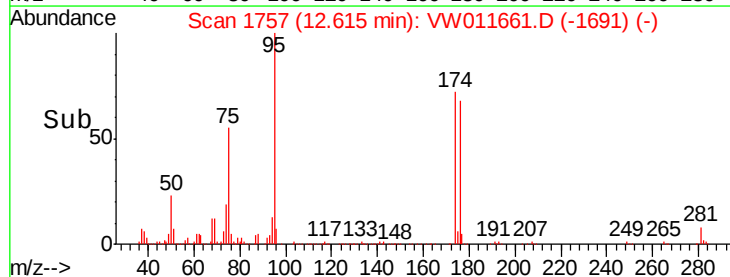
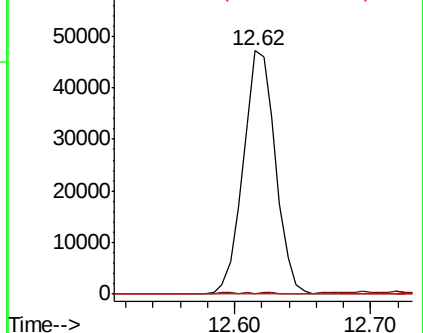
89 0.1 35.3 52.9#

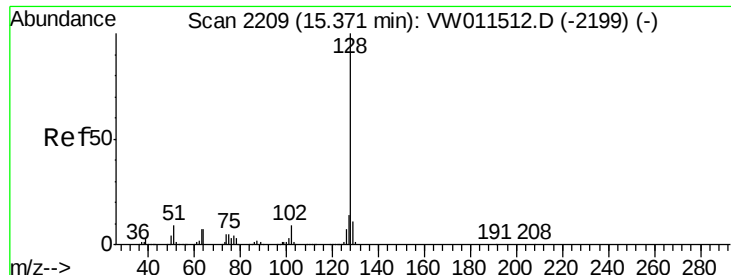


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

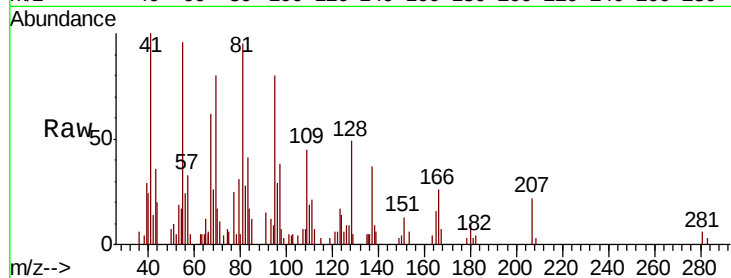




#95
Naphthalene
Concen: 2.402 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011661.D
Acq: 03 Aug 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB203-GW-618-620

Tgt Ion:128 Resp: 1787
Ion Ratio Lower Upper
128 100
127 6.7 10.6 16.0#
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

