

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009044.D
 Acq On : 07 Mar 2019 17:17
 Operator : SY/VA
 Sample : K1759-08
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB201-GW-625-627

Quant Time: Mar 08 05:43:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157600	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	149163	58.06	ug/l	0.00
Spiked Amount			Recovery	=	116.12%	
35) Dibromofluoromethane	7.88	113	123020	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.32	98	474653	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.62	95	161695	42.04	ug/l	0.00
Spiked Amount			Recovery	=	84.08%	

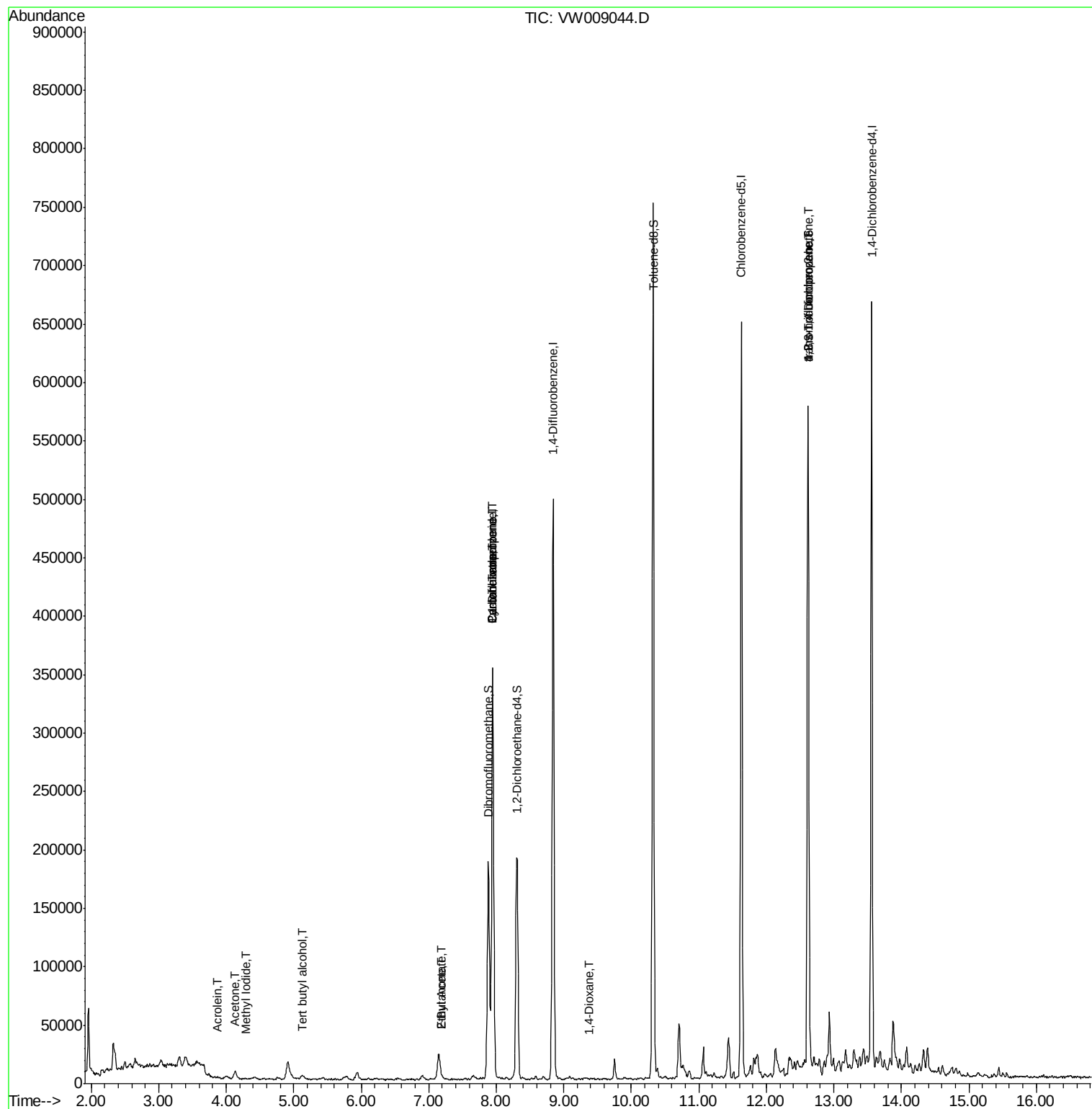
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	22	3.195	ug/l #	40
11) Tert butyl alcohol	5.12	59	3908	19.850	ug/l #	81
13) Acrolein	3.88	56	326	1.505	ug/l #	14
16) Acetone	4.13	43	11766	20.294	ug/l	95
20) Methylene Chloride	4.91	84	10518	Below Cal	#	93
25) 2-Butanone	7.19	43	4327	5.400	ug/l #	89
31) Cyclohexane	7.95	56	6466	1.349	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	20204	4.891	ug/l #	50
37) Ethyl Acetate	7.19	43	4327	2.230	ug/l #	71
38) Carbon Tetrachloride	7.95	117	24972	5.854	ug/l #	16
49) 1,4-Dioxane	9.38	88	29	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	87871	70.569	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	87871	157.845	ug/l #	5

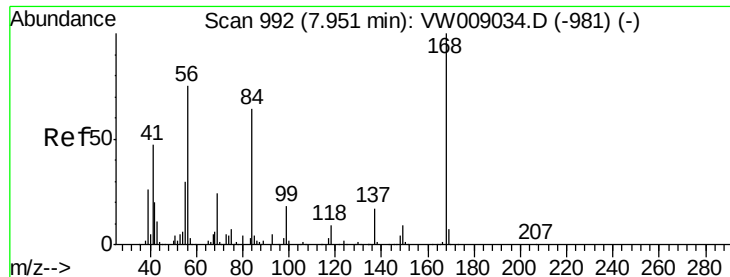
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
Data File : VW009044.D
Acq On : 07 Mar 2019 17:17
Operator : SY/VA
Sample : K1759-08
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB201-GW-625-627

Quant Time: Mar 08 05:43:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

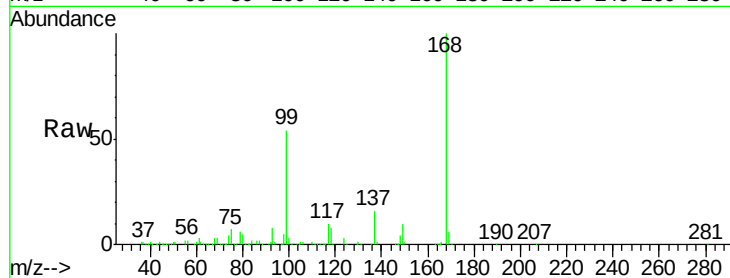
BP-VPB201-GW-625-627

Tgt Ion:168 Resp: 255366

Ion Ratio Lower Upper

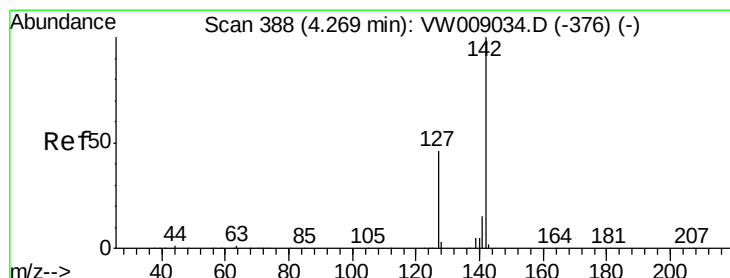
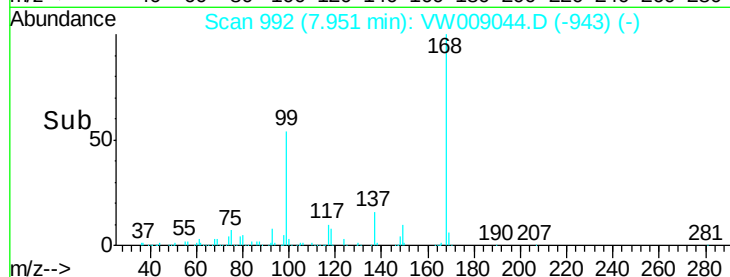
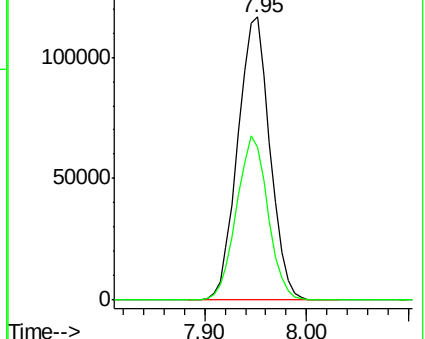
168 100

99 54.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VV



#10

Methyl Iodide

Concen: 3.195 ug/l

RT: 4.30 min Scan# 393

Delta R.T. 0.03 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

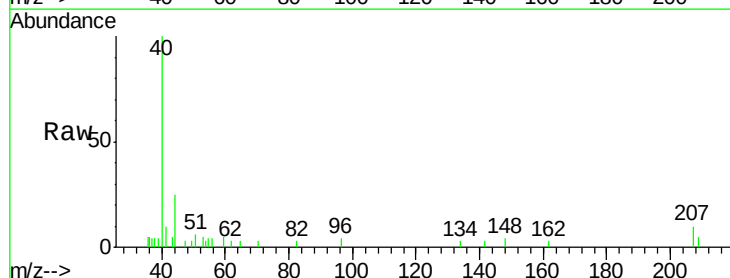
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

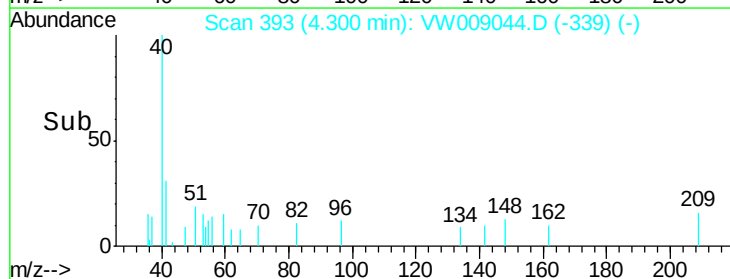
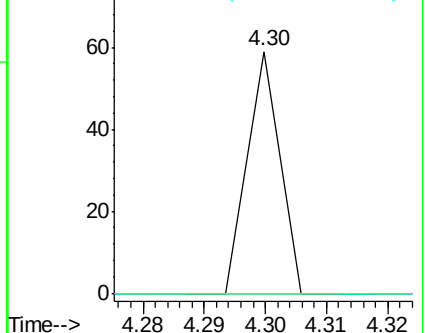
141 0.0 11.8 17.8#

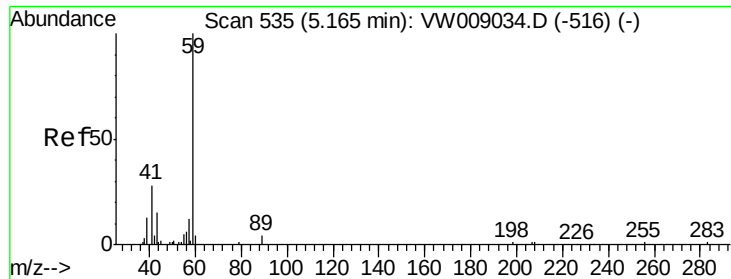


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

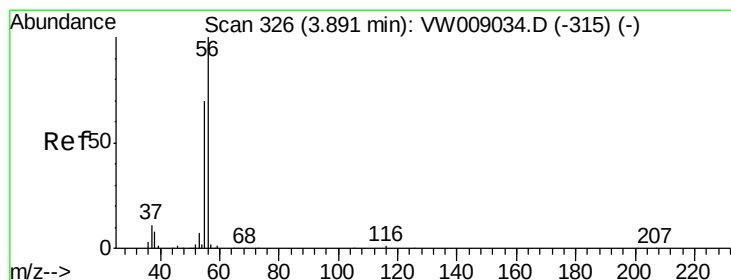
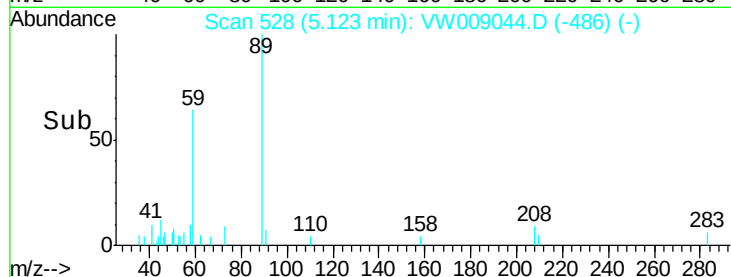
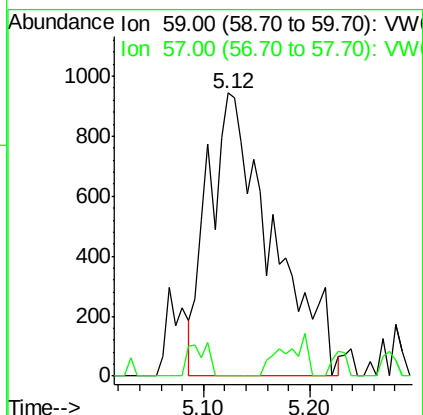
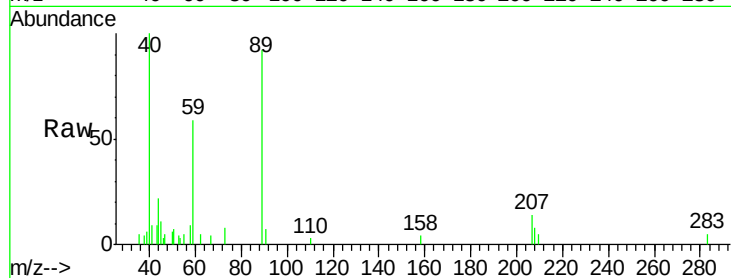




#11
Tert butyl alcohol
Concen: 19.850 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW009044.D
Acq: 07 Mar 2019 17:17

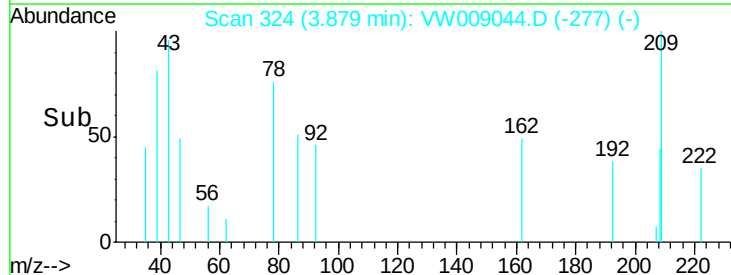
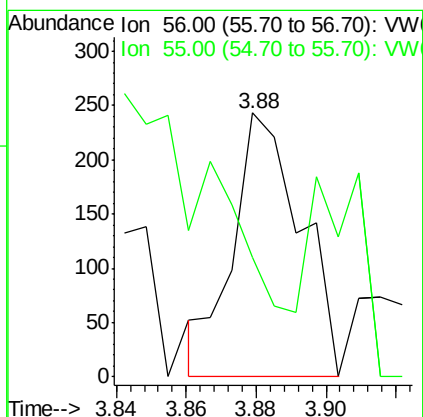
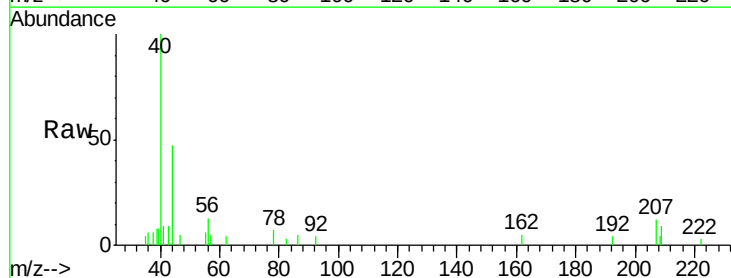
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB201-GW-625-627

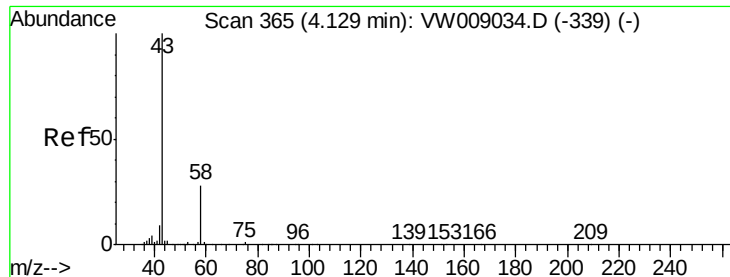
Tgt Ion: 59 Resp: 3908
Ion Ratio Lower Upper
59 100
57 3.6 8.6 12.8#



#13
Acrolein
Concen: 1.505 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW009044.D
Acq: 07 Mar 2019 17:17

Tgt Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#16

Acetone

Concen: 20.294 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

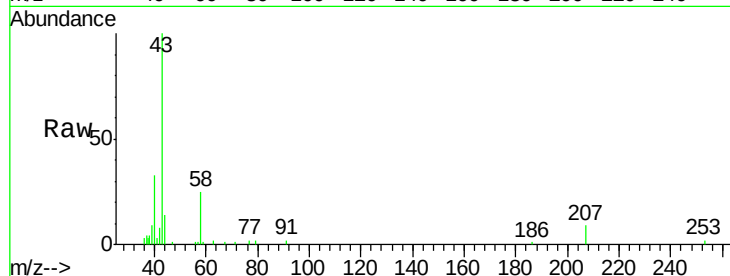
BP-VPB201-GW-625-627

Tgt Ion: 43 Resp: 11766

Ion Ratio Lower Upper

43 100

58 25.2 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

5000

4000

3000

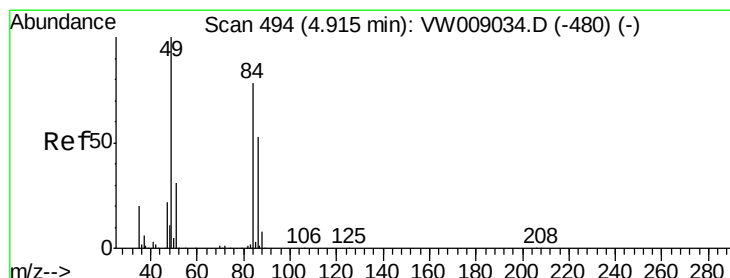
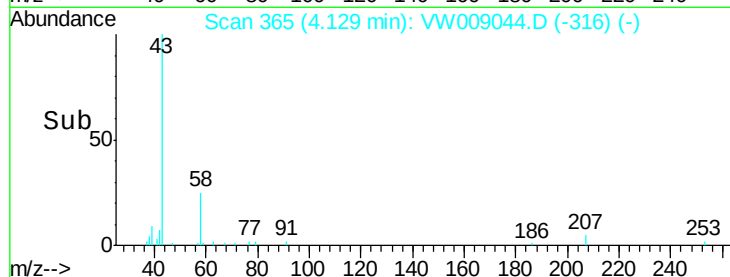
2000

1000

0

Time-->

4.00 4.10 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Tgt Ion: 84 Resp: 10518

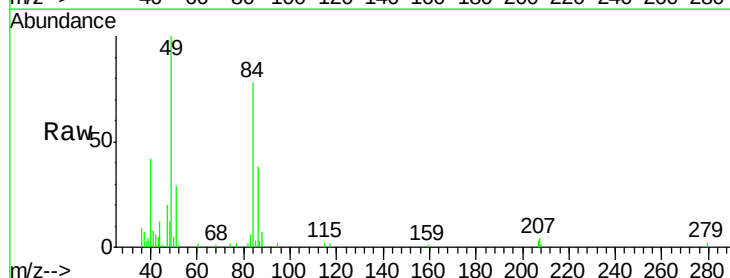
Ion Ratio Lower Upper

84 100

49 128.3 102.4 153.6

51 37.4 31.6 47.4

86 49.2 54.5 81.7#



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

6000

5000

4000

3000

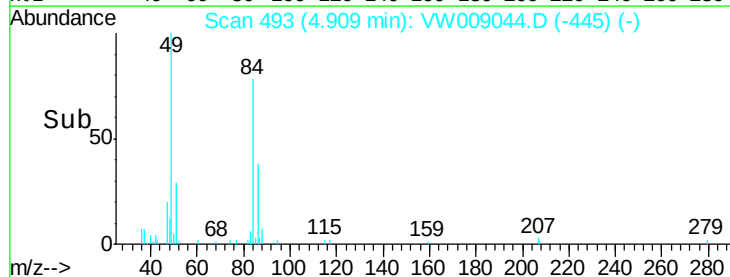
2000

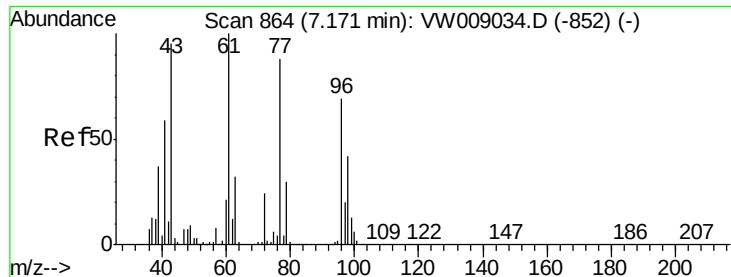
1000

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 5.400 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

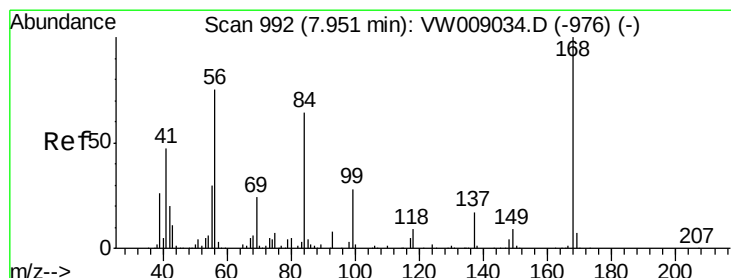
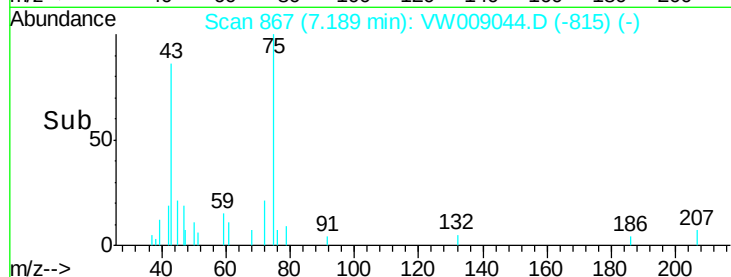
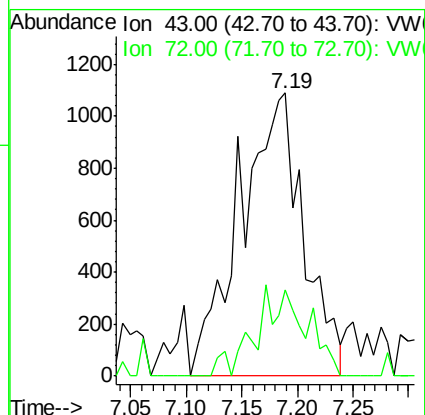
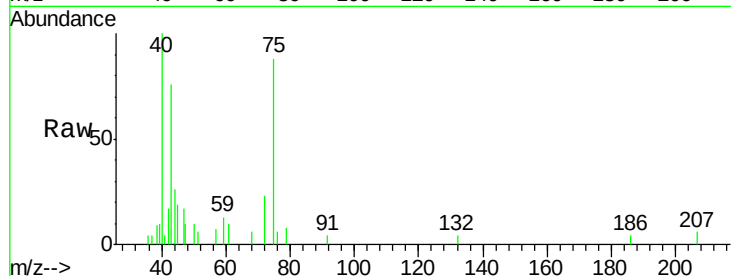
BP-VPB201-GW-625-627

Tgt Ion: 43 Resp: 4327

Ion Ratio Lower Upper

43 100

72 30.7 20.0 30.0#



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

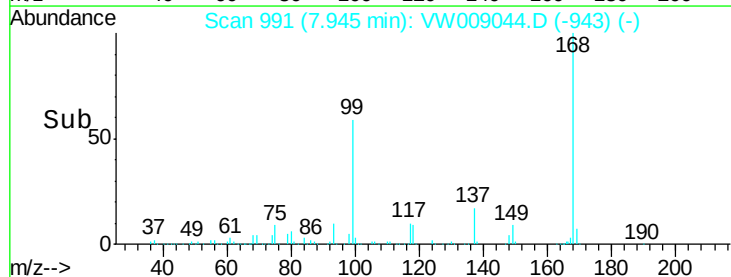
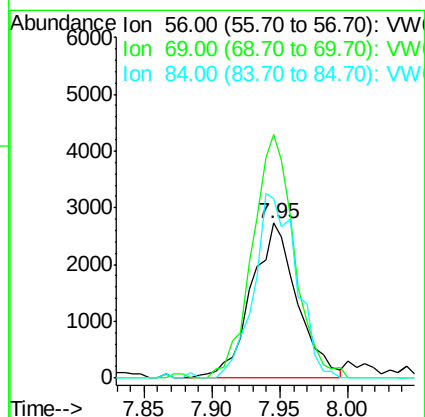
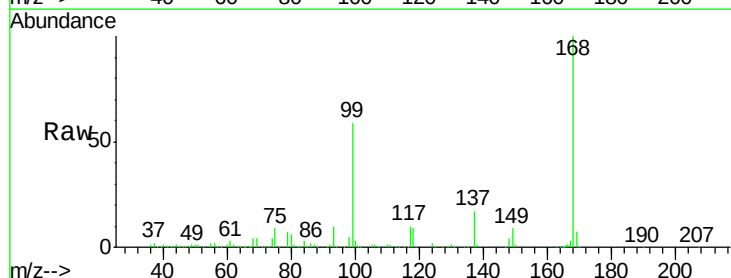
Tgt Ion: 56 Resp: 6466

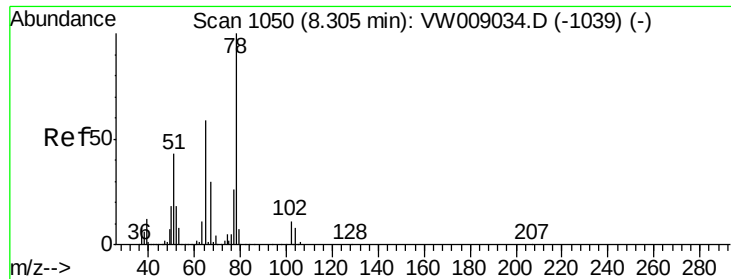
Ion Ratio Lower Upper

56 100

69 157.2 25.5 38.3#

84 115.7 68.6 103.0#

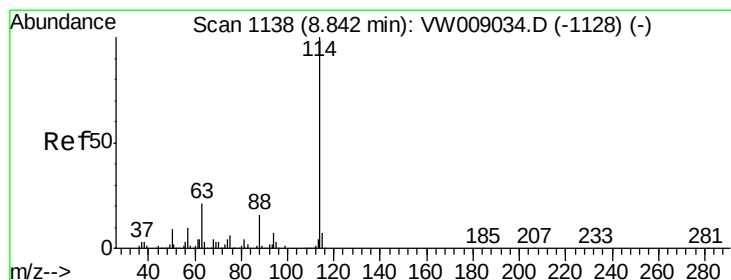
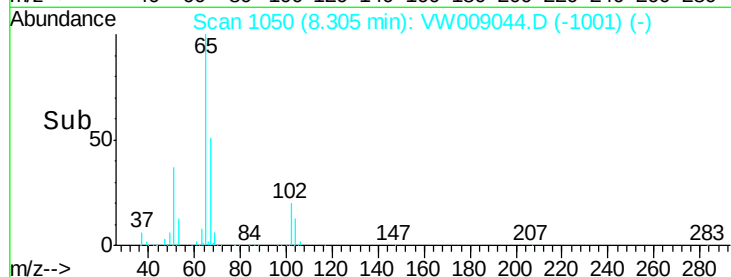
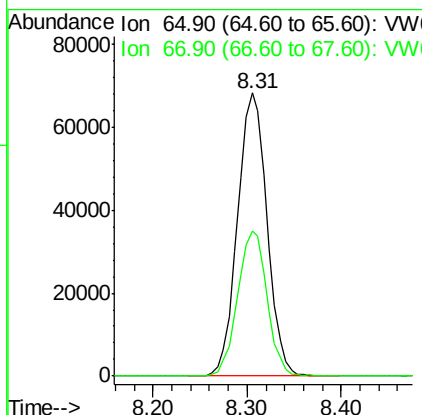
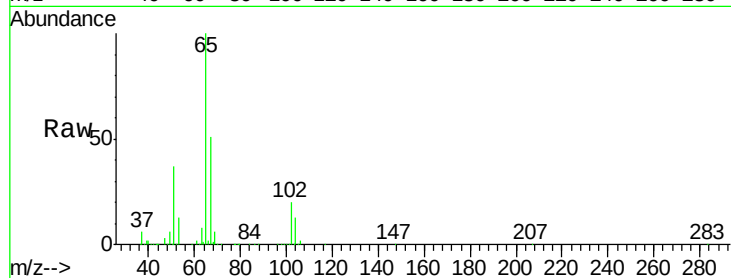




#33
 1,2-Dichloroethane-d4
 Concen: 58.057 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009044.D
 Acq: 07 Mar 2019 17:17

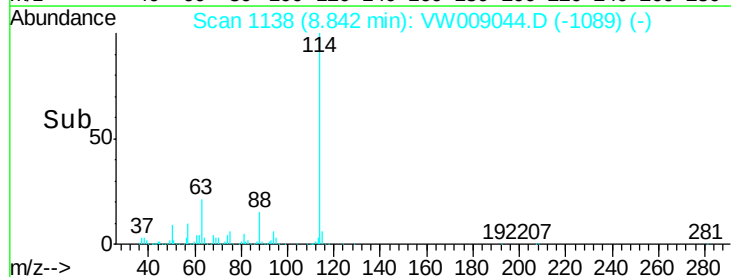
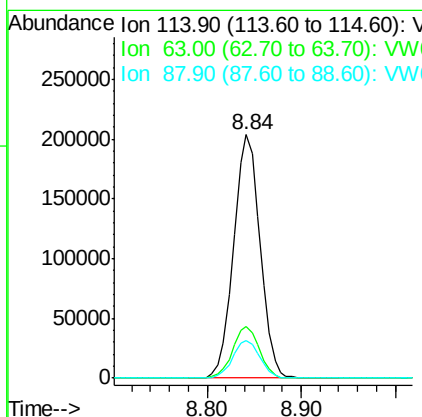
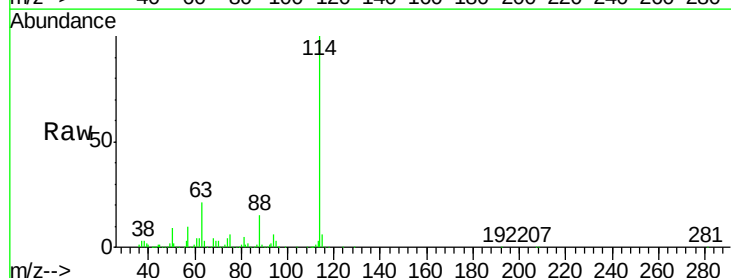
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB201-GW-625-627

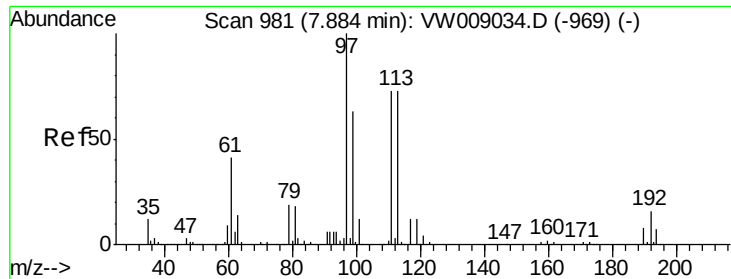
Tgt Ion: 65 Resp: 149163
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009044.D
 Acq: 07 Mar 2019 17:17

Tgt Ion: 114 Resp: 395060
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.2
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.719 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB201-GW-625-627

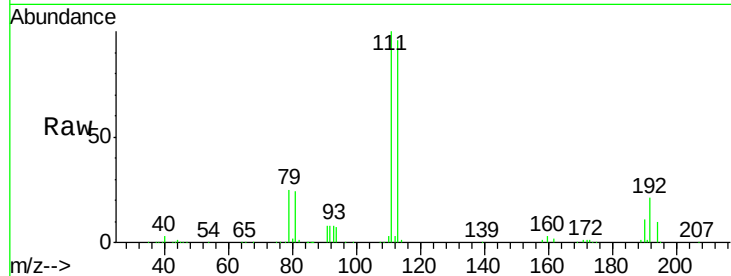
Tgt Ion:113 Resp: 123020

Ion Ratio Lower Upper

113 100

111 105.8 81.0 121.4

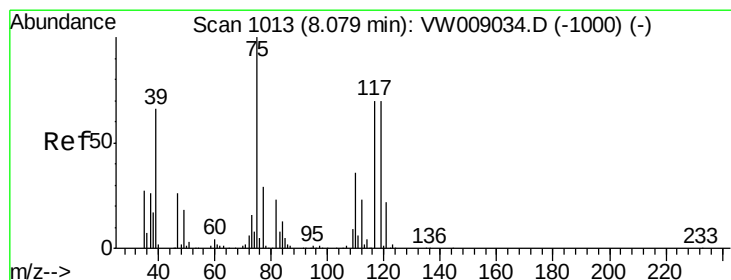
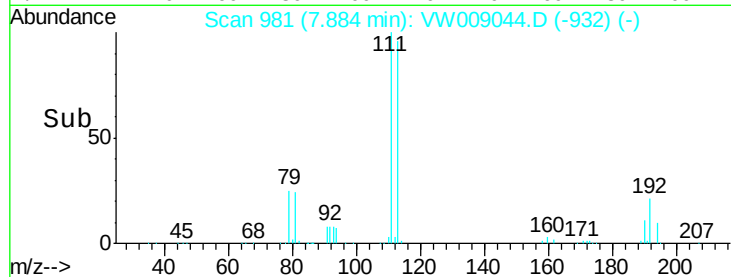
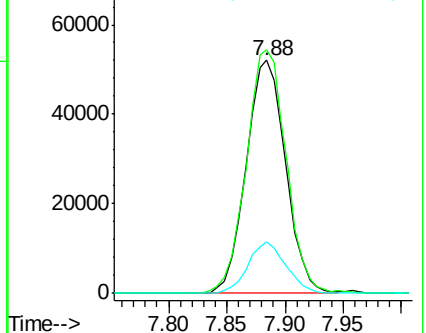
192 21.2 17.1 25.7



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: 4.891 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

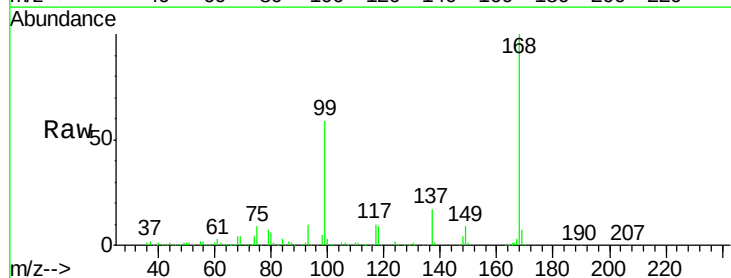
Tgt Ion: 75 Resp: 20204

Ion Ratio Lower Upper

75 100

110 9.7 17.6 52.9#

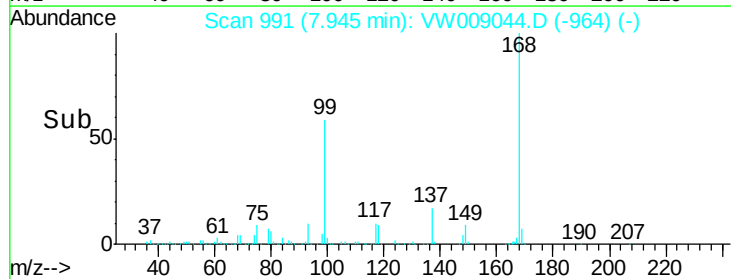
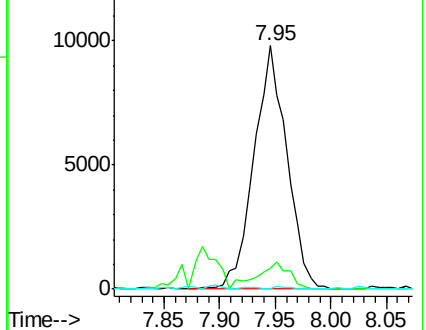
77 0.5 25.1 37.7#

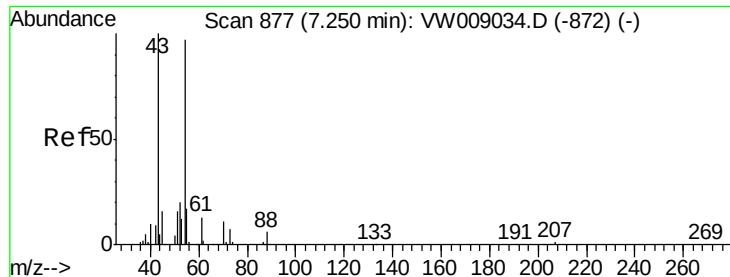


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

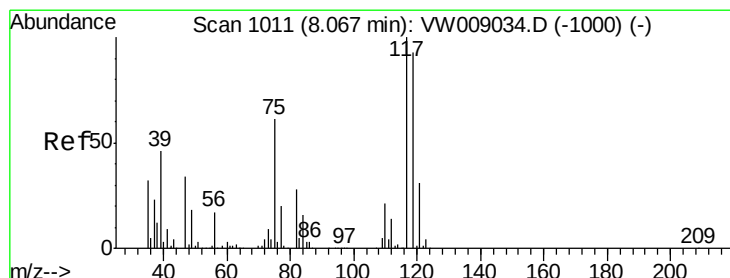
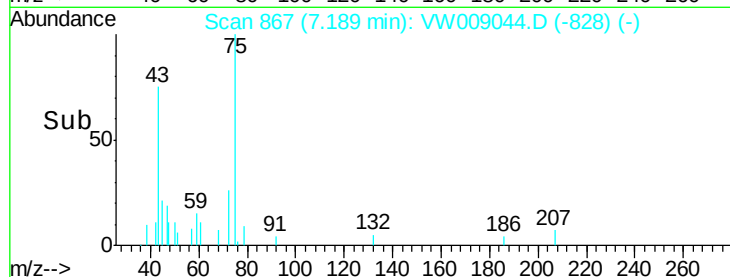
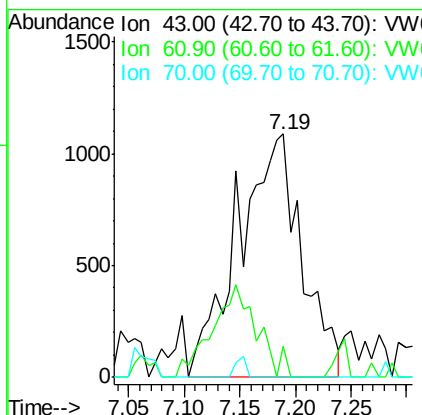
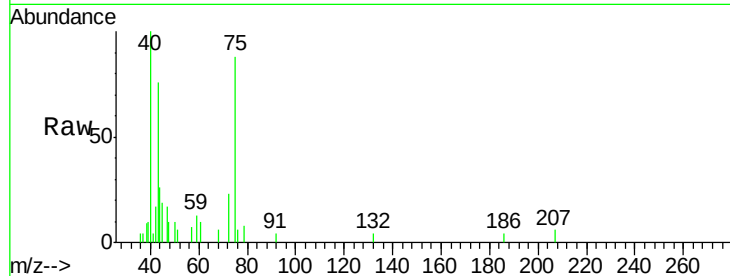




#37
Ethyl Acetate
Concen: 2.230 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.06 min
Lab File: VW009044.D
Acq: 07 Mar 2019 17:17

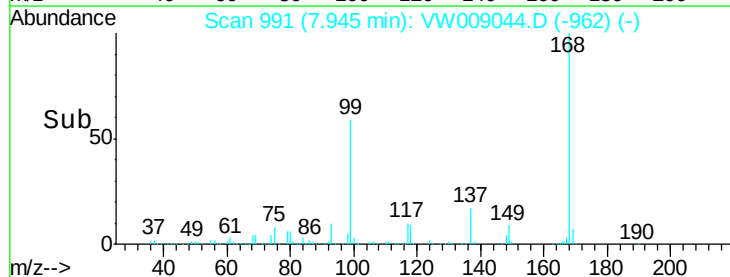
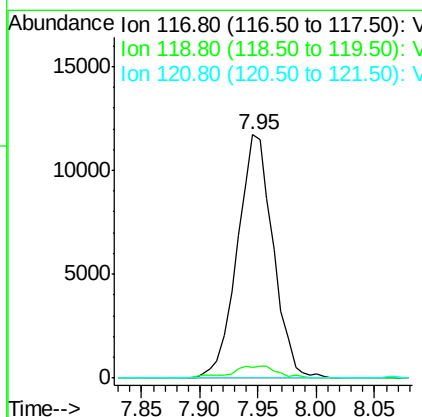
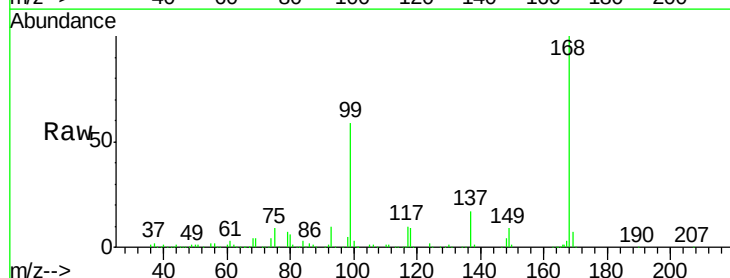
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB201-GW-625-627

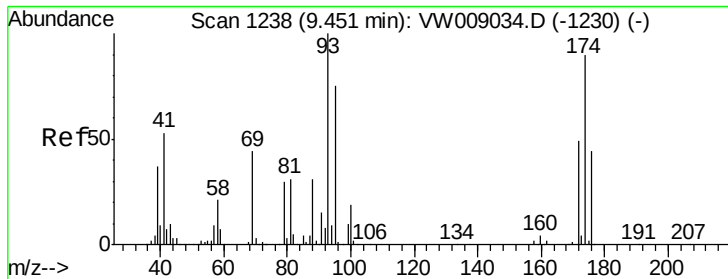
Tgt Ion: 43 Resp: 4327
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.6#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009044.D
Acq: 07 Mar 2019 17:17

Tgt Ion: 117 Resp: 24972
Ion Ratio Lower Upper
117 100
119 4.4 74.6 112.0#
121 0.0 24.7 37.1#

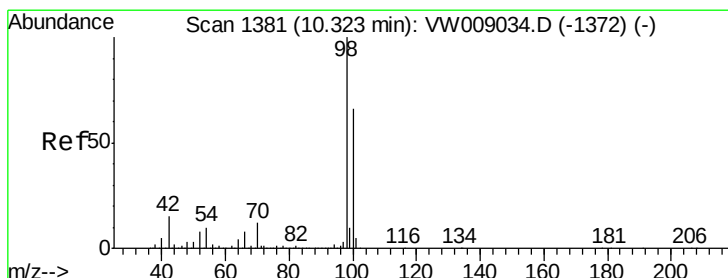
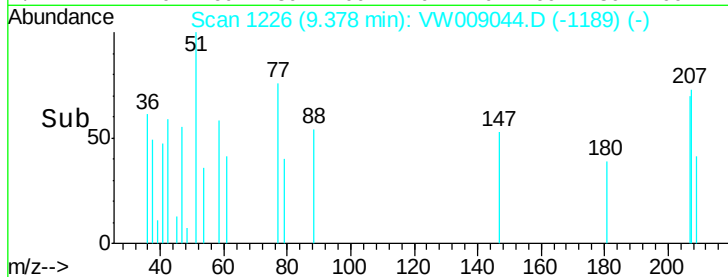
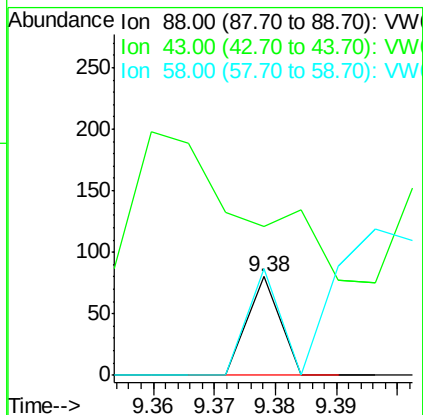
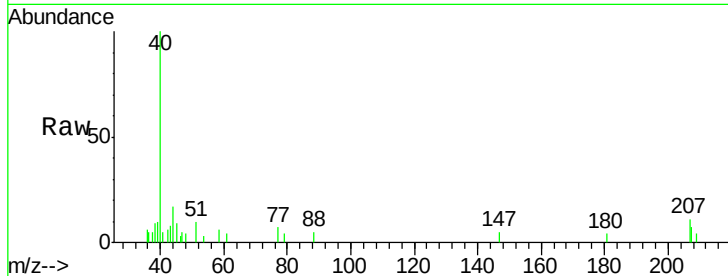




#49
1,4-Dioxane
Concen: 1.343 ug/l
RT: 9.38 min Scan# 1226
Delta R.T. -0.07 min
Lab File: VW009044.D
Acq: 07 Mar 2019 17:17

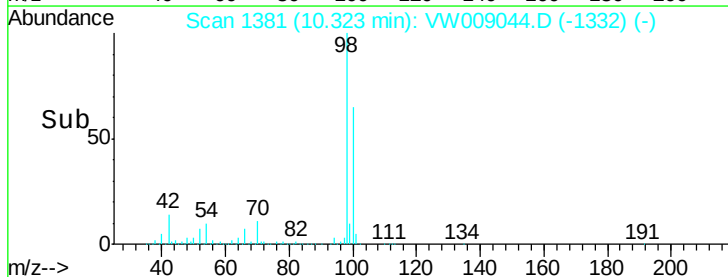
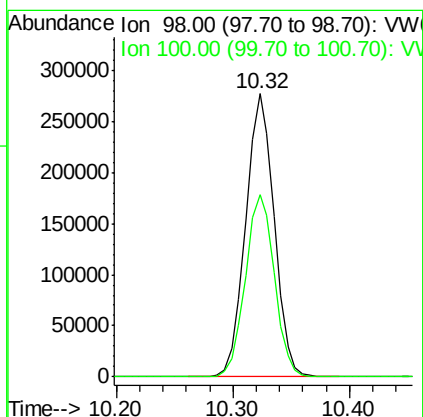
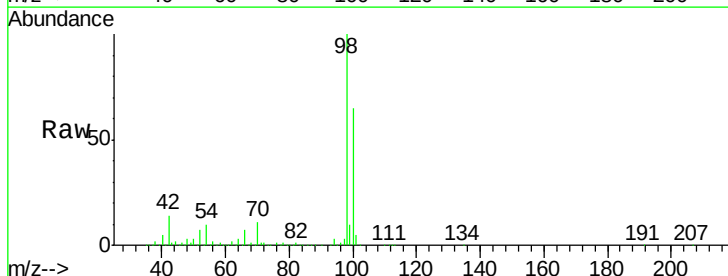
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB201-GW-625-627

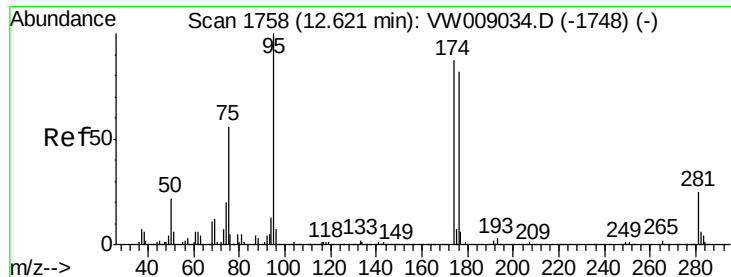
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 510.3 59.2 88.8#



#50
Toluene-d8
Concen: 48.586 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009044.D
Acq: 07 Mar 2019 17:17

Tgt Ion: 98 Resp: 474653
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 42.045 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB201-GW-625-627

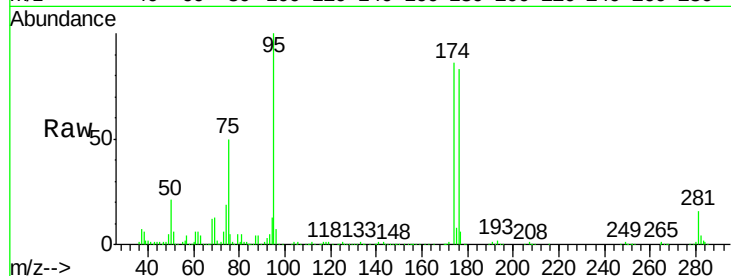
Tgt Ion: 95 Resp: 161695

Ion Ratio Lower Upper

95 100

174 85.5 0.0 167.0

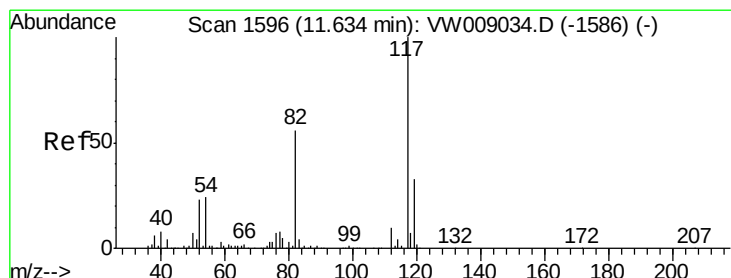
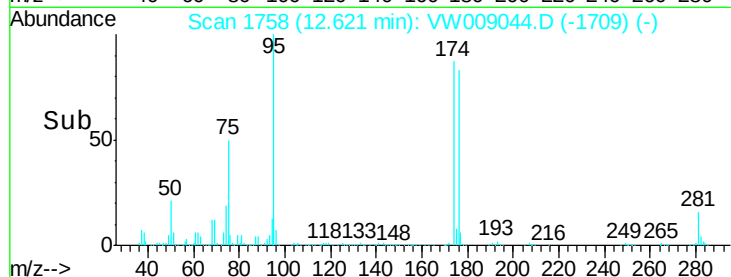
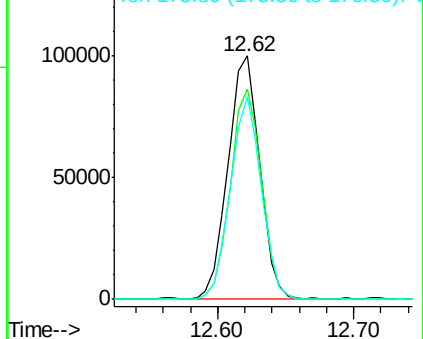
176 81.9 0.0 159.4



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

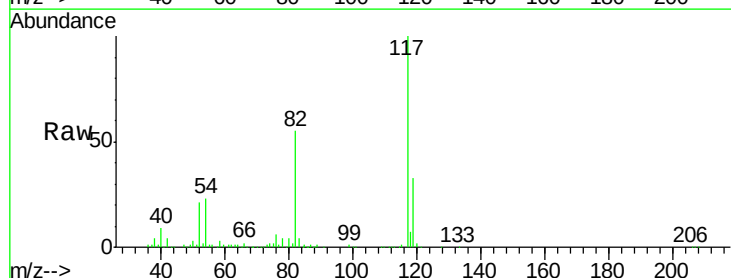
Tgt Ion: 117 Resp: 352153

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.6

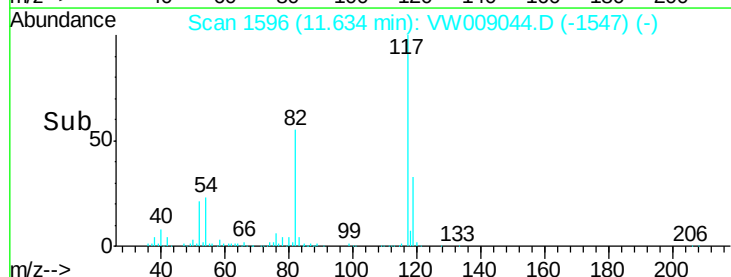
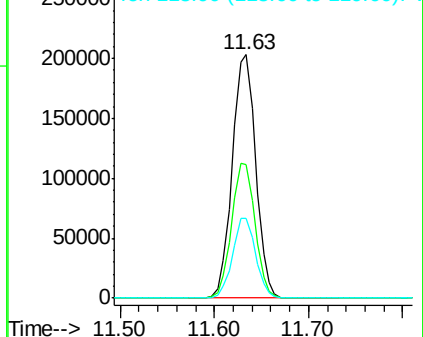
119 32.6 26.6 39.8

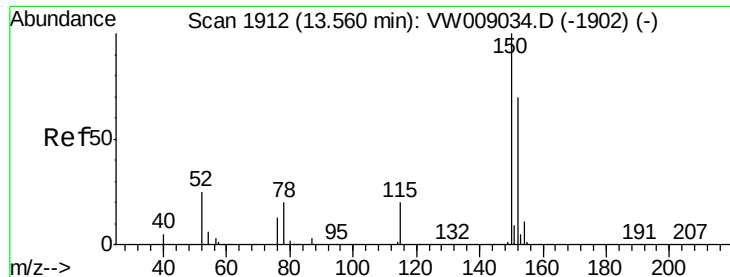


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009044.D

Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB201-GW-625-627

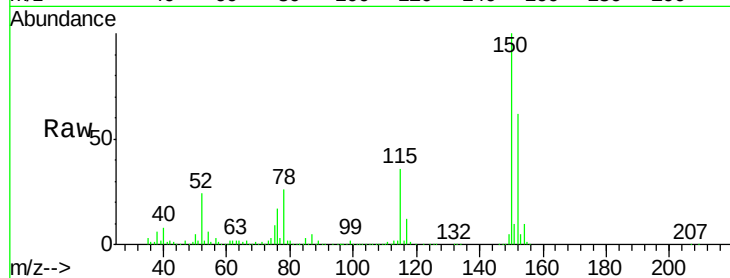
Tgt Ion:152 Resp: 157600

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

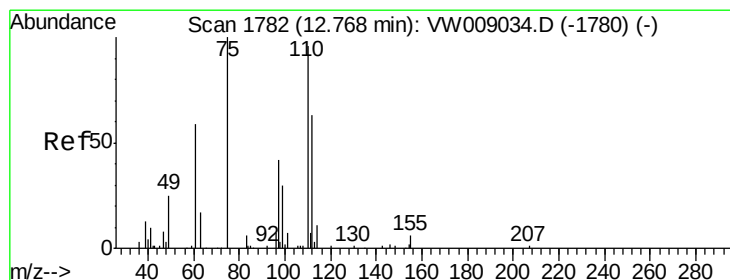
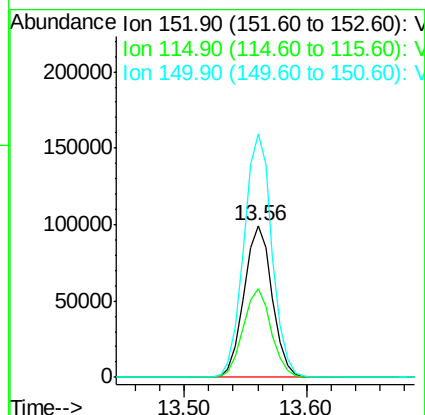
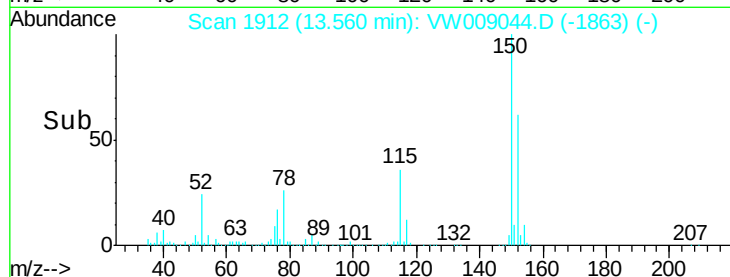
150 160.7 0.0 349.2



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: 70.569 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009044.D

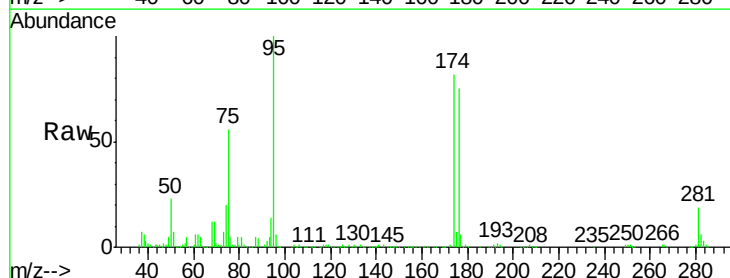
Acq: 07 Mar 2019 17:17

Tgt Ion: 75 Resp: 87871

Ion Ratio Lower Upper

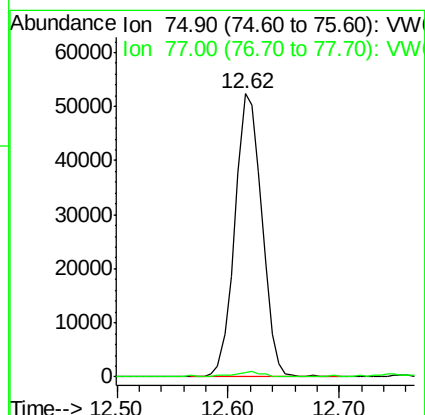
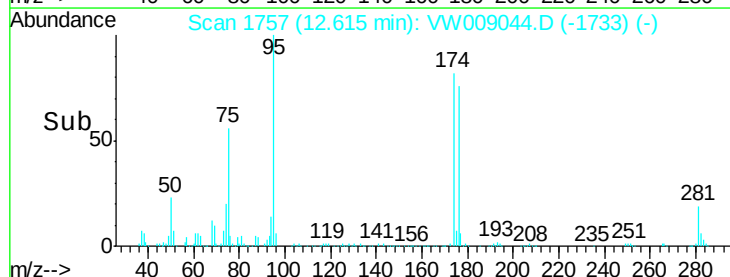
75 100

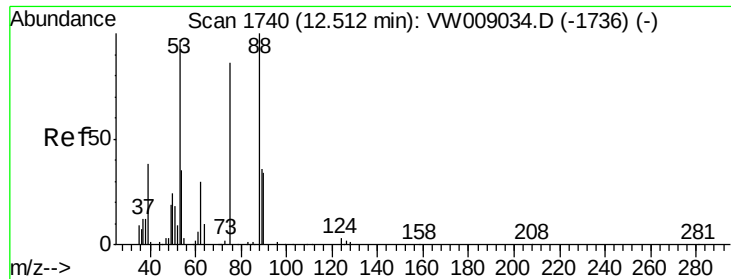
77 2.0 186.7 560.0#



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: 157.845 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009044.D

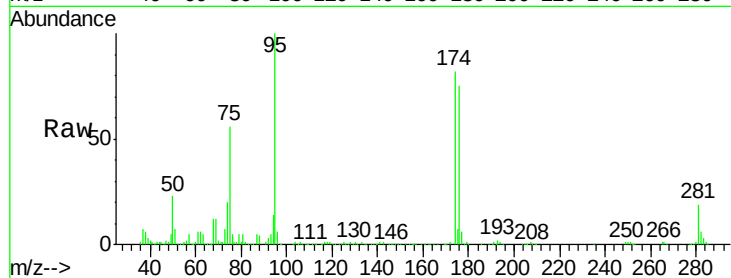
Acq: 07 Mar 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB201-GW-625-627



Tgt Ion: 75 Resp: 87871

Ion Ratio Lower Upper

75 100

53 0.4 90.5 135.7#

89 0.1 37.5 56.3#

