

Data File : VW010488.D
Acq On : 21 May 2019 15:33
Operator : SY/VA
Sample : K2952-10
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB202-GW-643-645

Quant Time: May 22 06:43:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	228052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	203984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	76458	62.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.86%	
35) Dibromofluoromethane	7.88	113	71073	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.32	98	280117	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.62	95	108186	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

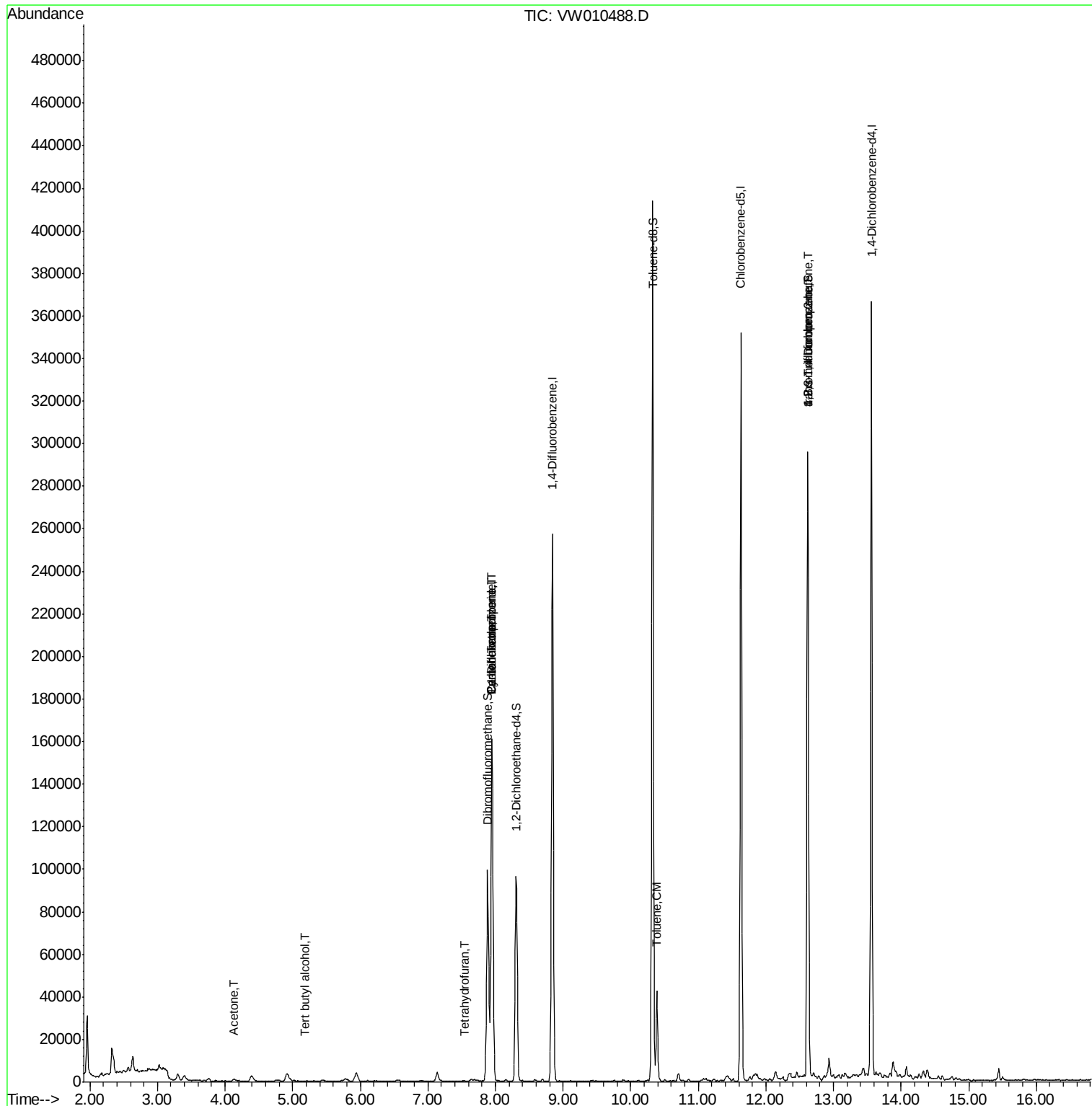
						Qvalue
2) Dichlorodifluoromethane	2.00	85	99	Below Cal	#	42
11) Tert butyl alcohol	5.18	59	149	1.363	ug/l #	71
13) Acrolein	3.93	56	19	Below Cal	#	13
16) Acetone	4.13	43	1898	7.653	ug/l	90
20) Methylene Chloride	4.92	84	2864	Below Cal		97
29) Tetrahydrofuran	7.54	42	371	1.545	ug/l #	34
31) Cyclohexane	7.95	56	2579	1.118	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	9494	4.469	ug/l #	47
38) Carbon Tetrachloride	7.95	117	13090	5.712	ug/l #	15
52) Toluene	10.39	92	18718	4.720	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	51766	55.470	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	51766	115.767	ug/l #	14

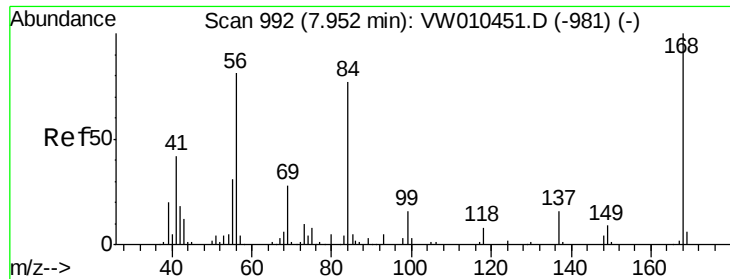
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010488.D

Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

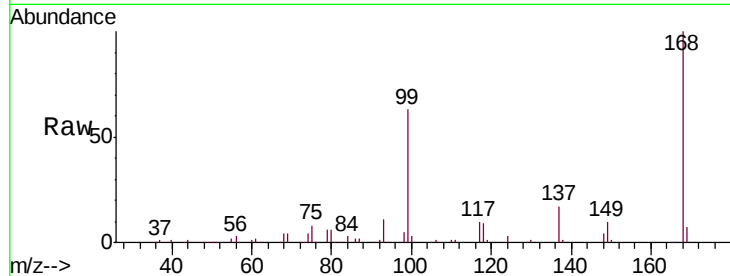
BP-VPB202-GW-643-645

Tgt Ion: 168 Resp: 117714

Ion Ratio Lower Upper

168 100

99 62.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

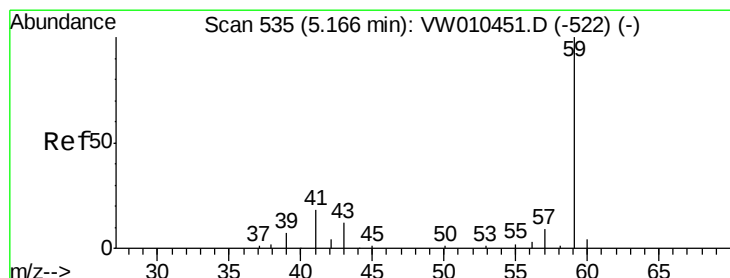
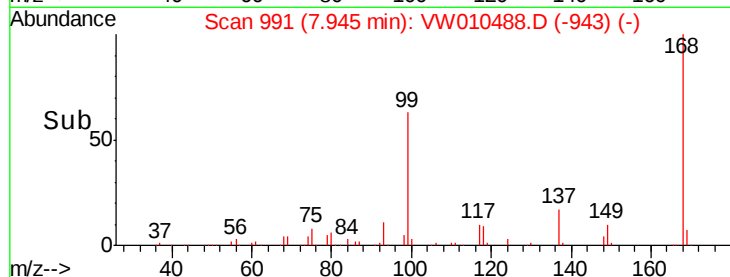
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 1.363 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010488.D

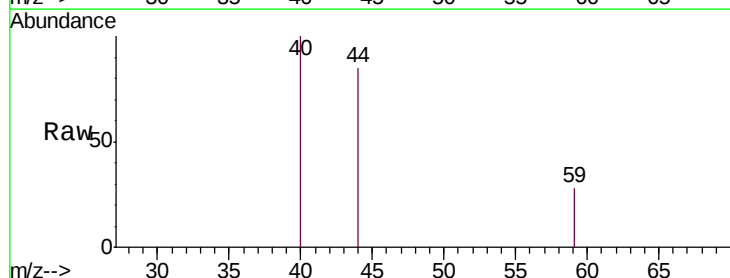
Acq: 21 May 2019 15:33

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

80

60

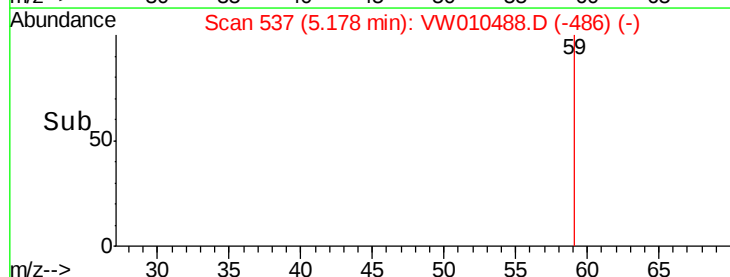
40

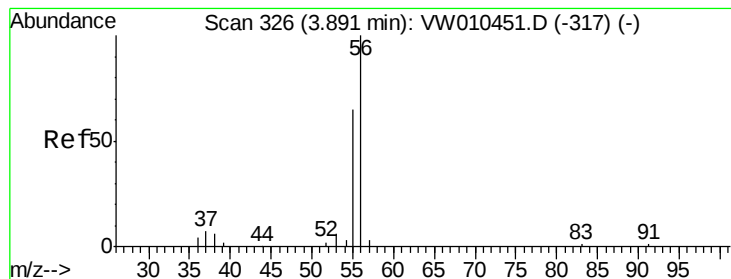
20

0

Time-->

5.15 5.20





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 332

Delta R.T. 0.04 min

Lab File: VW010488.D

Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

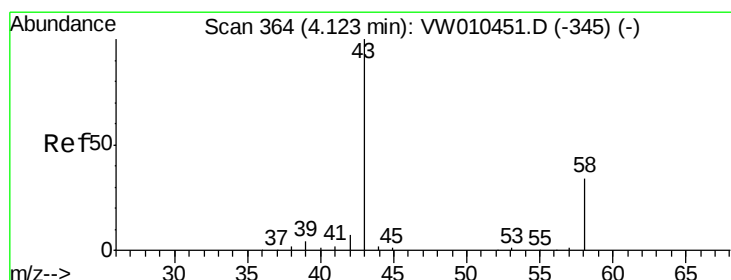
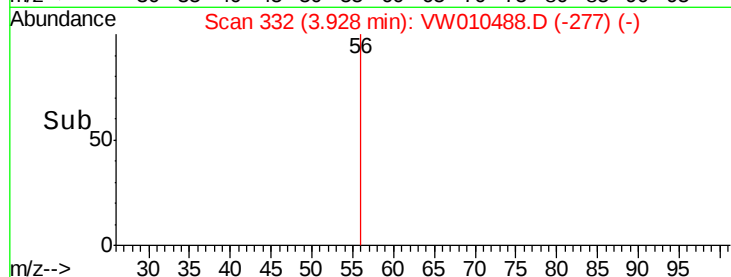
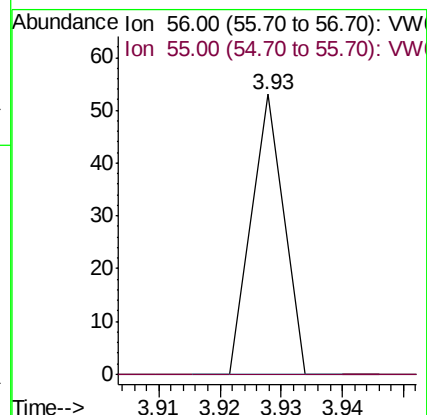
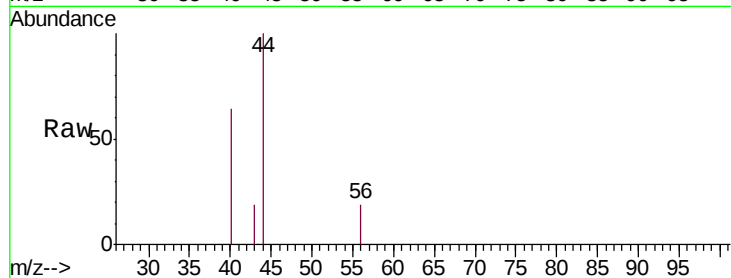
BP-VPB202-GW-643-645

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 7.653 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010488.D

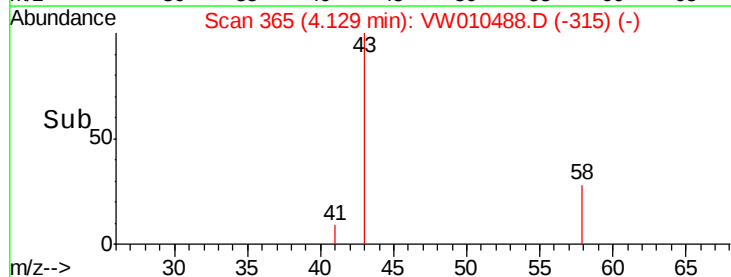
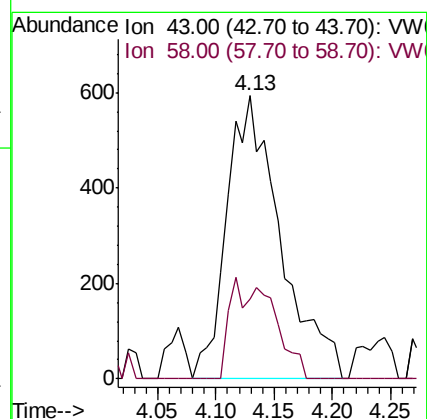
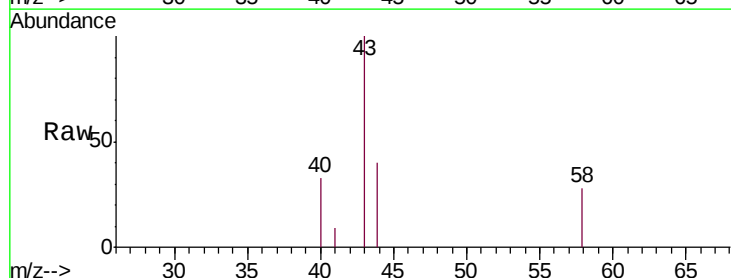
Acq: 21 May 2019 15:33

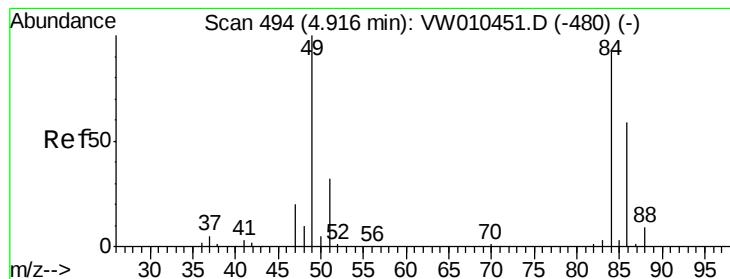
Tgt Ion: 43 Resp: 1898

Ion Ratio Lower Upper

43 100

58 28.0 27.0 40.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010488.D

Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-643-645

Tgt Ion: 84 Resp: 2864

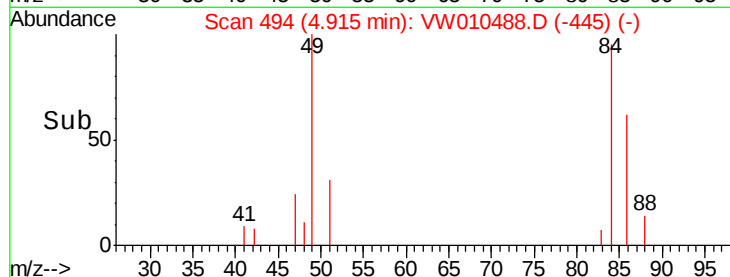
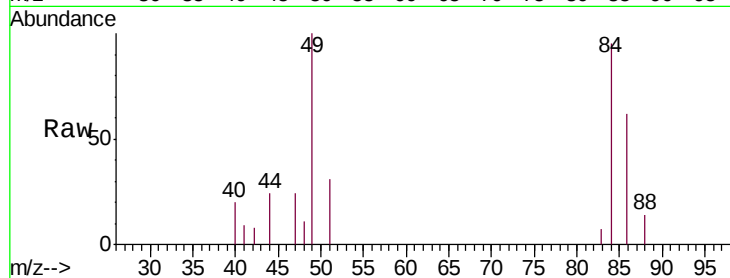
Ion Ratio Lower Upper

84 100

49 105.3 87.2 130.8

51 32.5 27.7 41.5

86 65.4 51.4 77.0



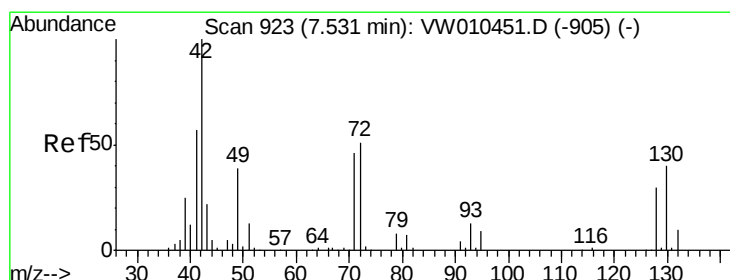
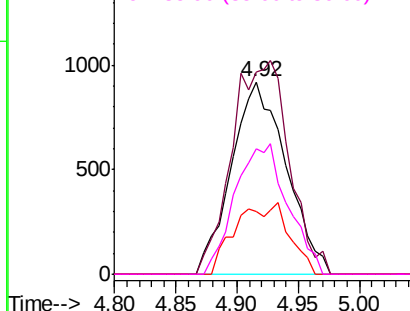
Abundance

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



#29

Tetrahydrofuran

Concen: 1.545 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010488.D

Acq: 21 May 2019 15:33

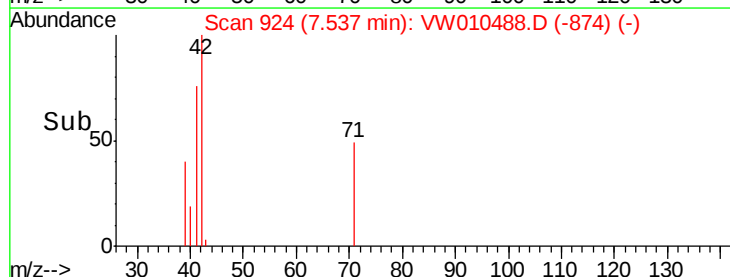
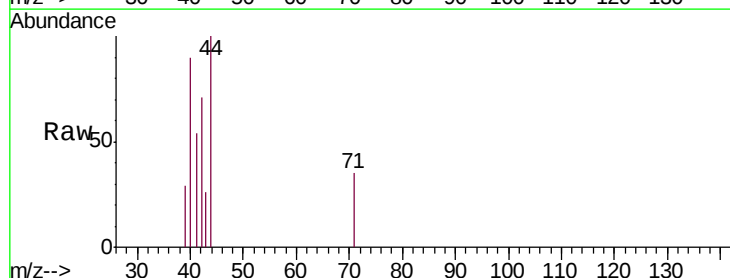
Tgt Ion: 42 Resp: 371

Ion Ratio Lower Upper

42 100

72 0.0 38.5 57.7#

71 5.4 36.5 54.7#

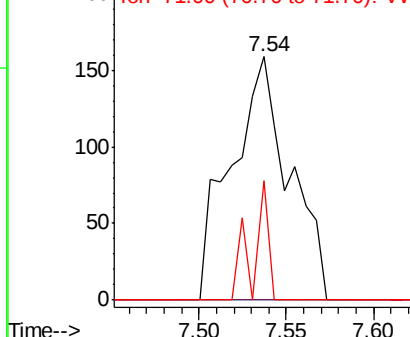


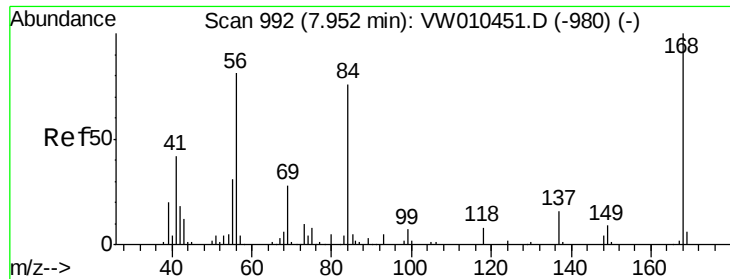
Abundance

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

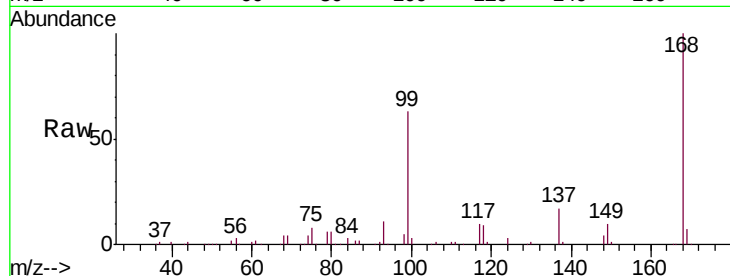




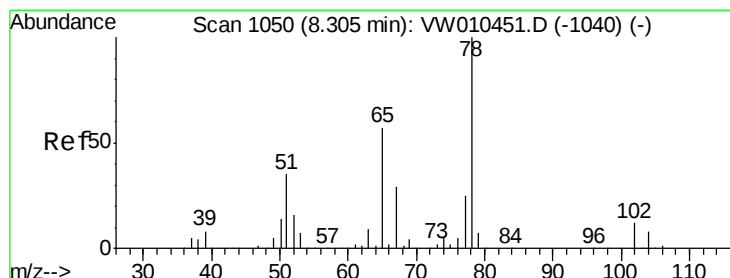
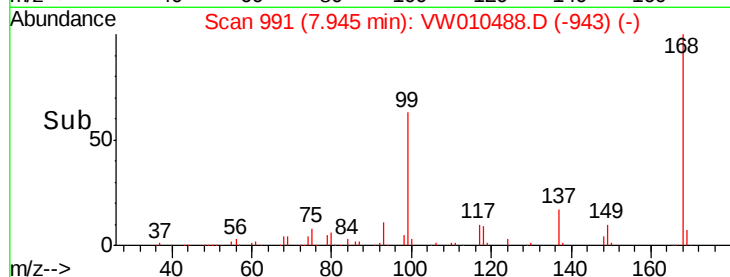
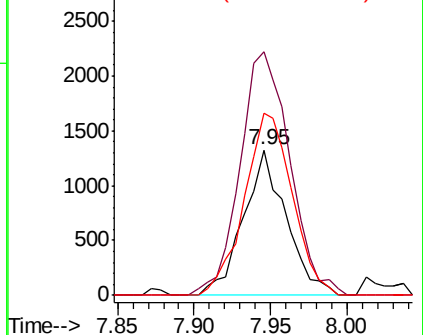
#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010488.D
Acq: 21 May 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB202-GW-643-645

Tgt Ion: 56 Resp: 2579
Ion Ratio Lower Upper
56 100
69 167.5 28.2 42.2#
84 125.5 75.8 113.8#

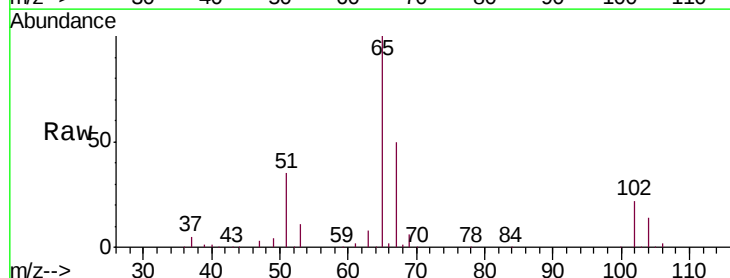


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

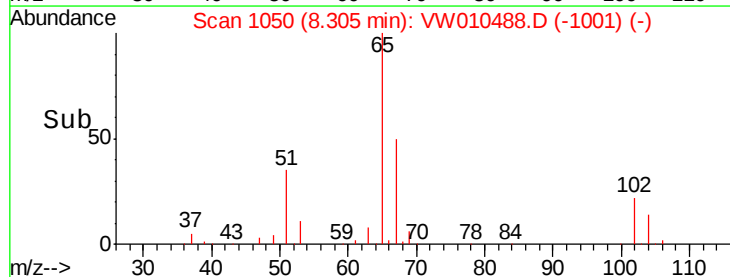
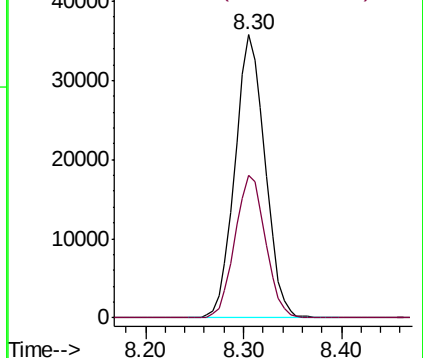


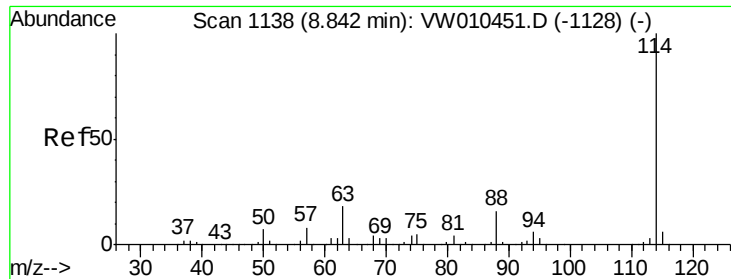
#33
1,2-Dichloroethane-d4
Concen: 62.928 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010488.D
Acq: 21 May 2019 15:33

Tgt Ion: 65 Resp: 76458
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

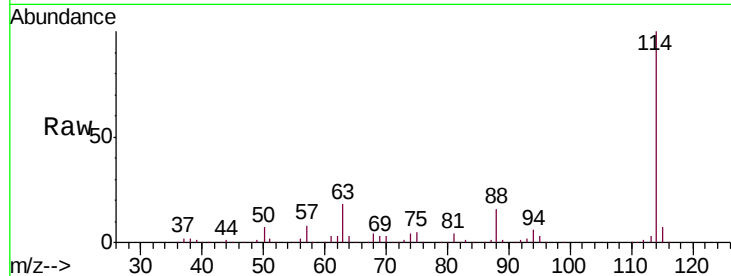




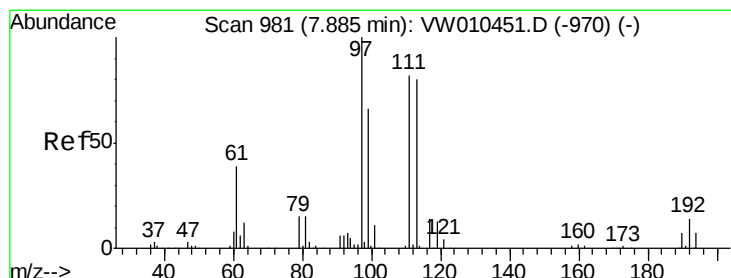
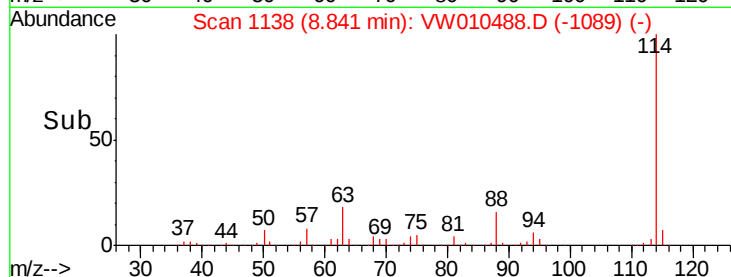
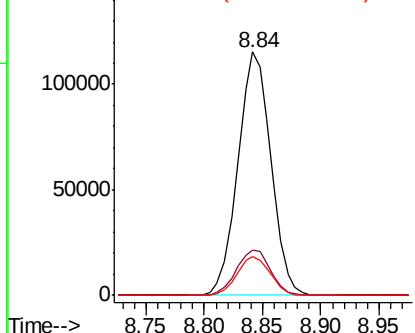
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010488.D
Acq: 21 May 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
BP-VPB202-GW-643-645

Tgt Ion:114 Resp: 228052
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.0
88 15.9 0.0 32.0

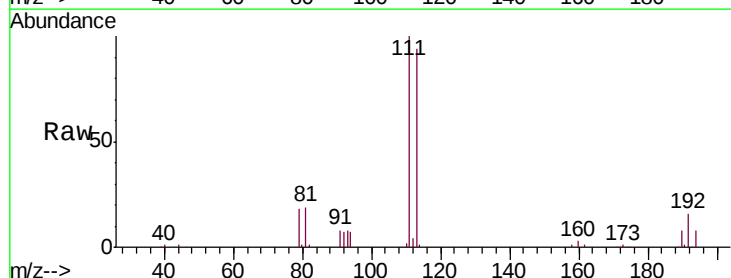


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

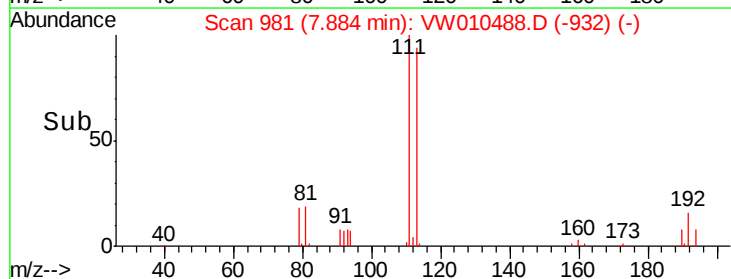
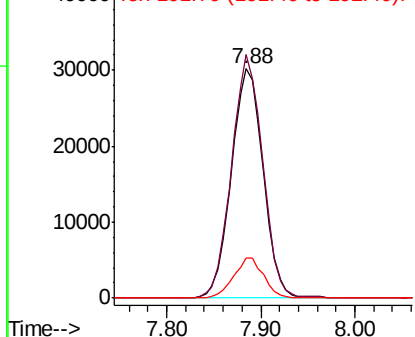


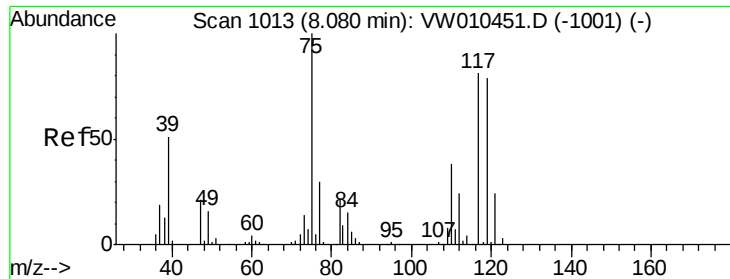
#35
Dibromofluoromethane
Concen: 51.362 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010488.D
Acq: 21 May 2019 15:33

Tgt Ion:113 Resp: 71073
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.4
192 16.7 14.3 21.5



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

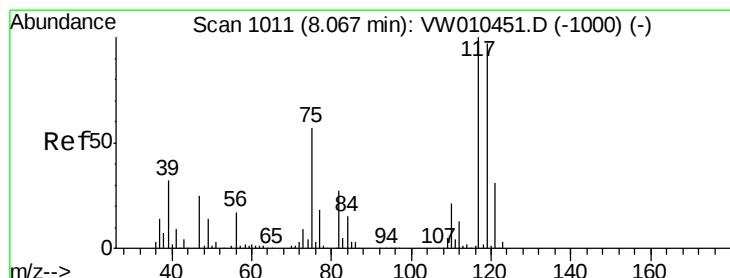
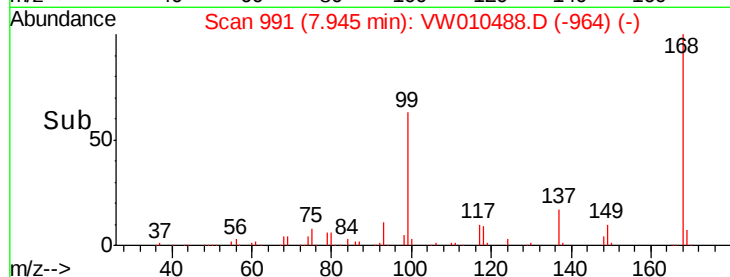
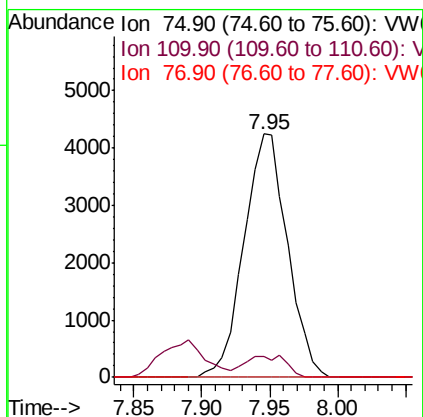
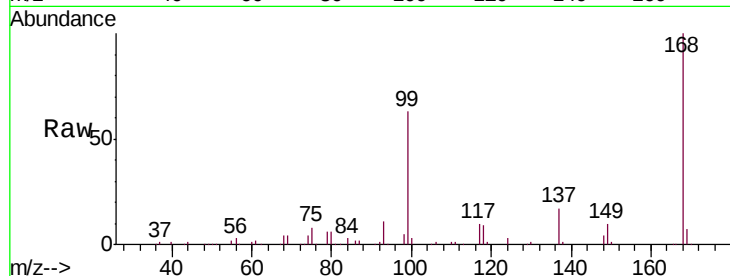




#36
 1,1-Dichloropropene
 Concen: 4.469 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010488.D
 Acq: 21 May 2019 15:33

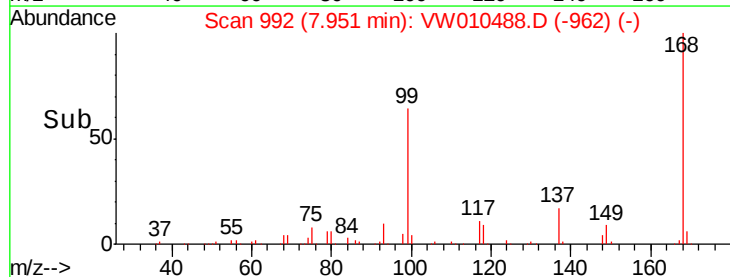
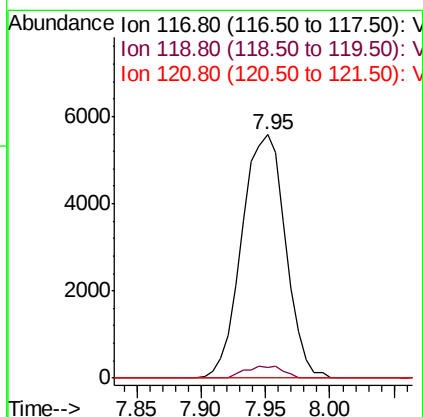
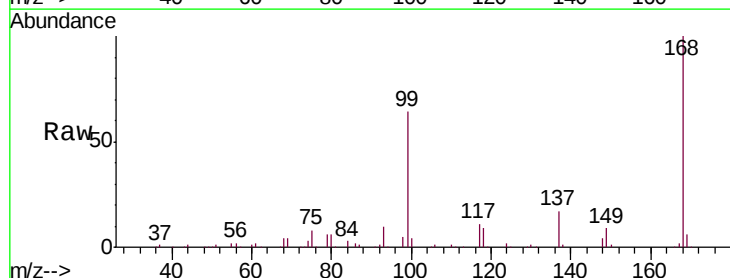
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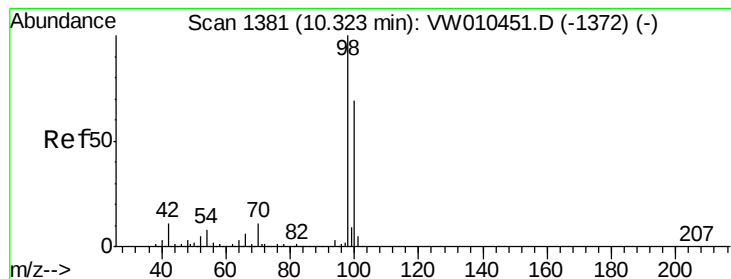
Tgt Ion: 75 Resp: 9494
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.712 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010488.D
 Acq: 21 May 2019 15:33

Tgt Ion: 117 Resp: 13090
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.4 116.0#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 52.989 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010488.D

Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

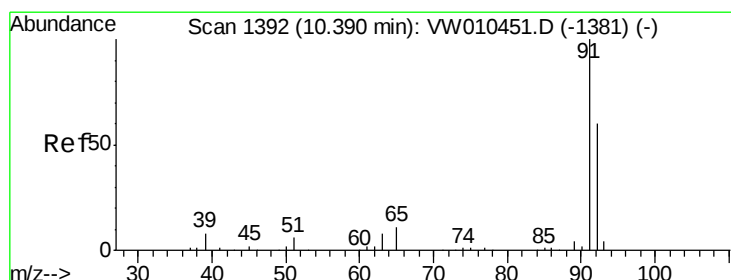
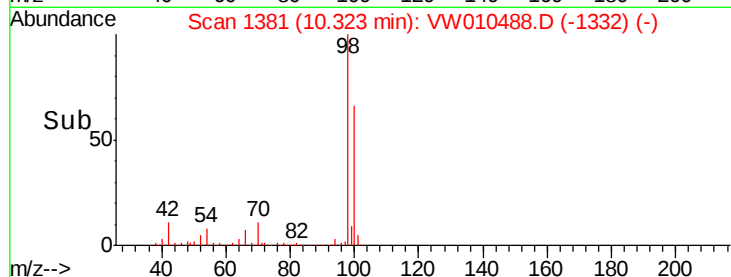
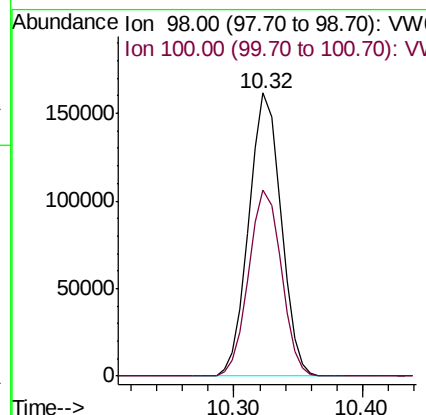
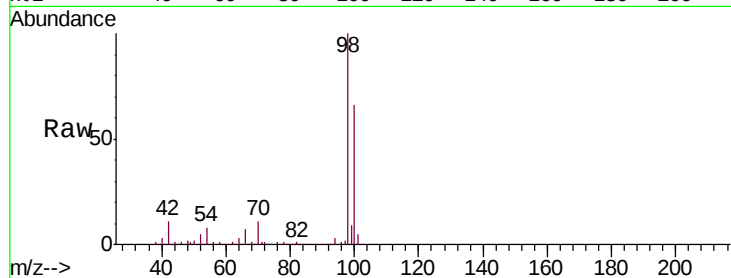
BP-VPB202-GW-643-645

Tgt Ion: 98 Resp: 280117

Ion Ratio Lower Upper

98 100

100 66.6 53.7 80.5



#52

Toluene

Concen: 4.720 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010488.D

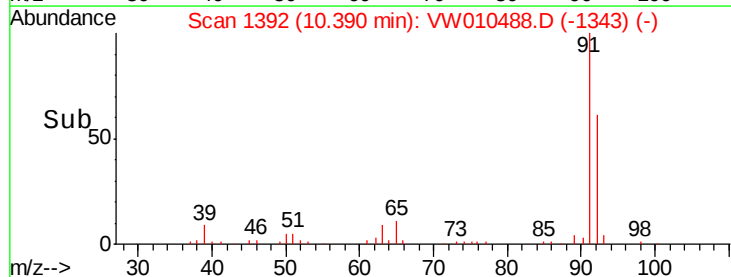
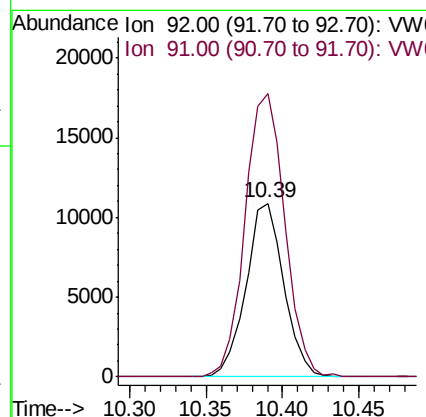
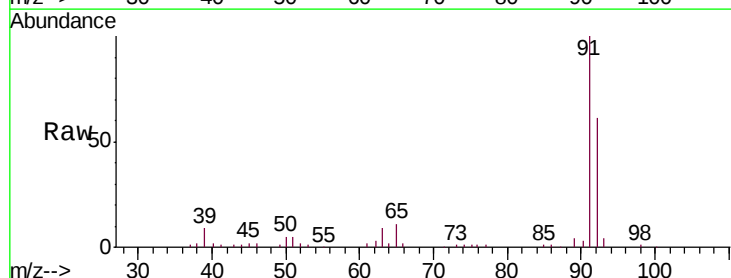
Acq: 21 May 2019 15:33

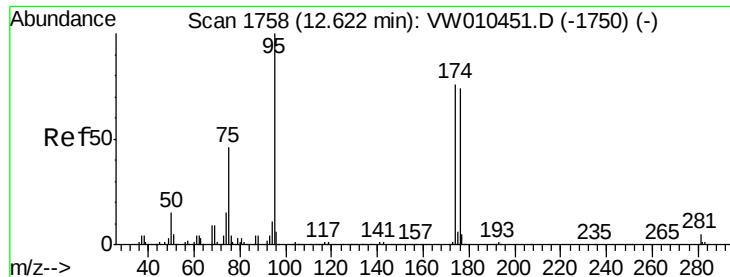
Tgt Ion: 92 Resp: 18718

Ion Ratio Lower Upper

92 100

91 171.4 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 51.379 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010488.D

Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-643-645

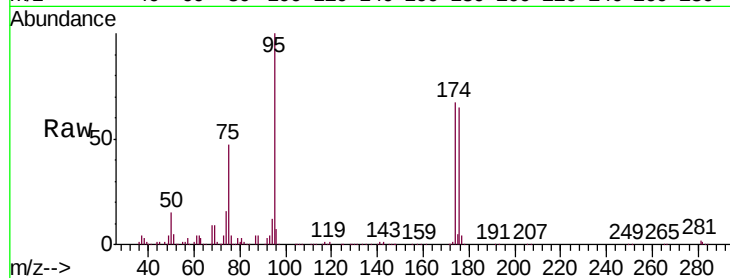
Tgt Ion: 95 Resp: 108186

Ion Ratio Lower Upper

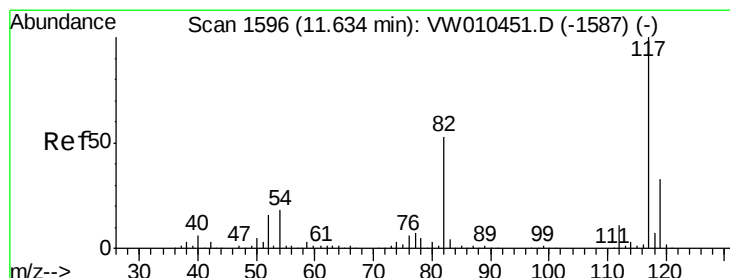
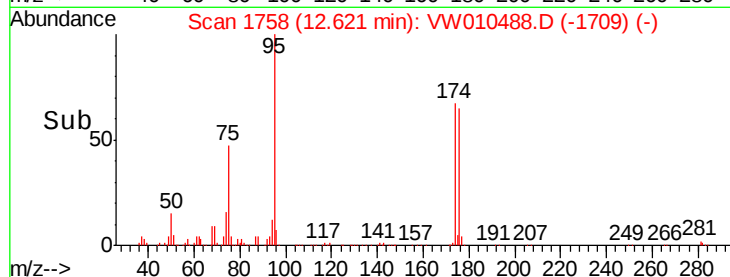
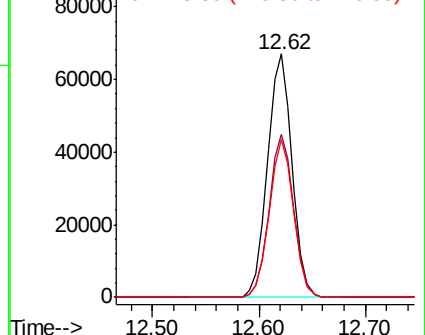
95 100

174 66.9 0.0 148.6

176 63.9 0.0 144.2



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: VW010488.D

Acq: 21 May 2019 15:33

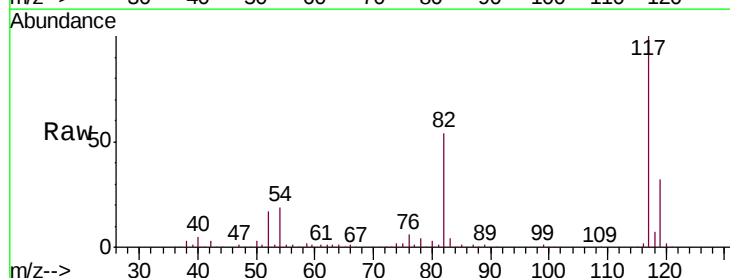
Tgt Ion: 117 Resp: 203984

Ion Ratio Lower Upper

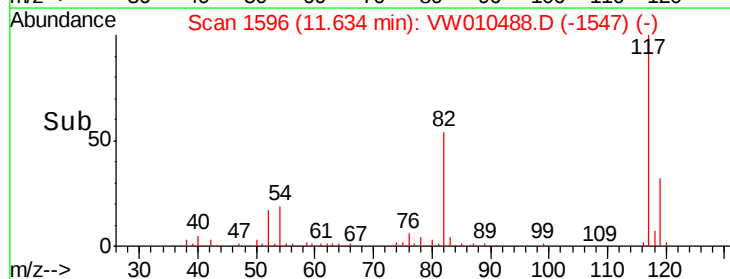
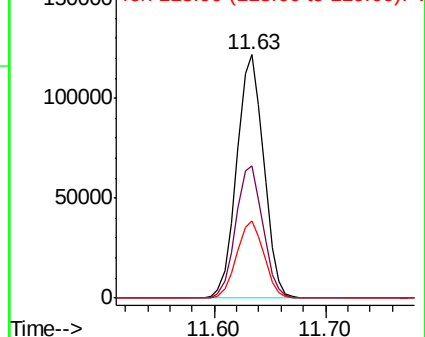
117 100

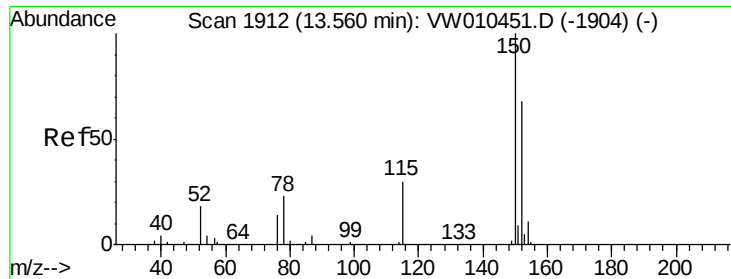
82 54.1 42.8 64.2

119 31.7 26.3 39.5



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: VW010488.D

Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-643-645

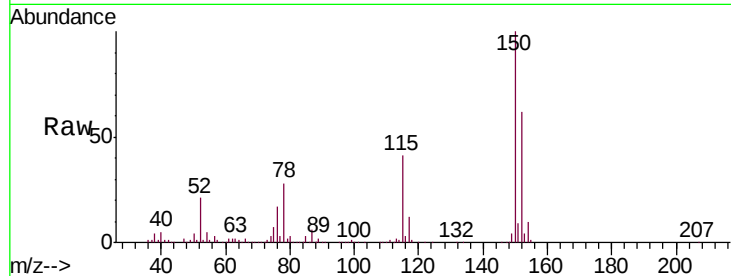
Tgt Ion:152 Resp: 91938

Ion Ratio Lower Upper

152 100

115 64.7 30.3 91.0

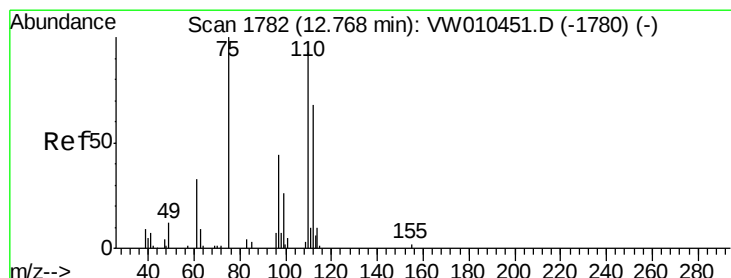
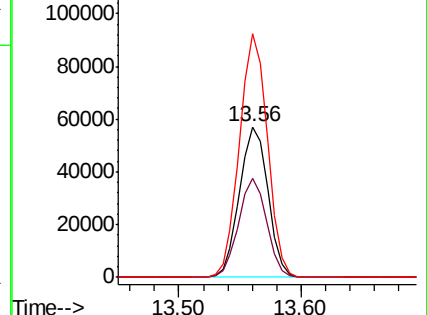
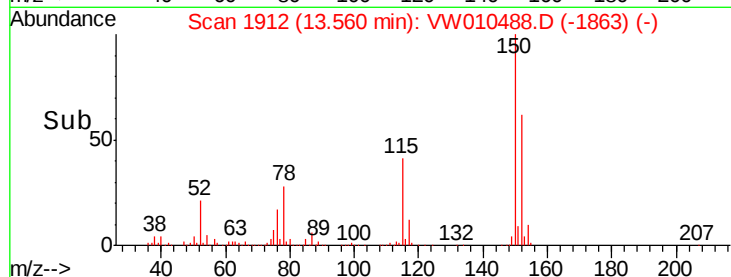
150 158.6 0.0 349.8



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: 55.470 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010488.D

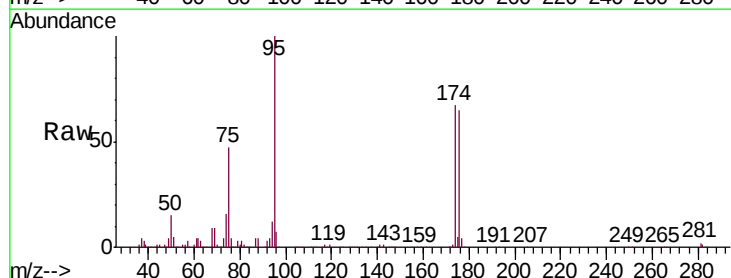
Acq: 21 May 2019 15:33

Tgt Ion: 75 Resp: 51766

Ion Ratio Lower Upper

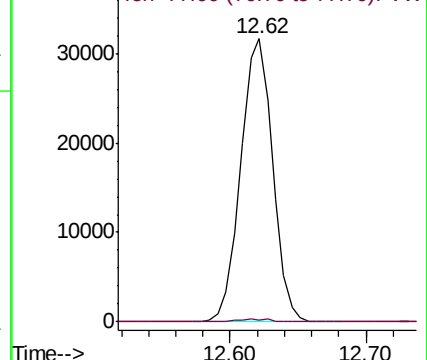
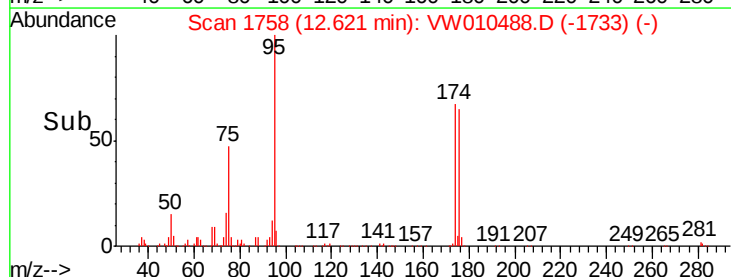
75 100

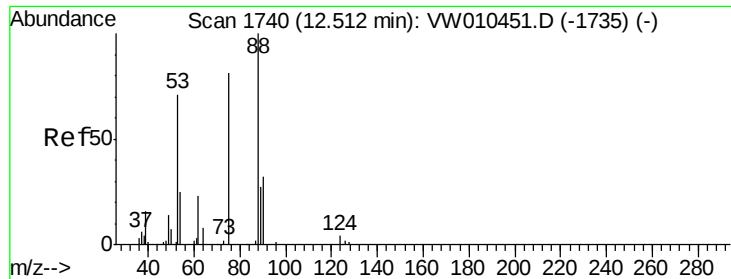
77 1.1 170.0 510.1#



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: 115.767 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010488.D

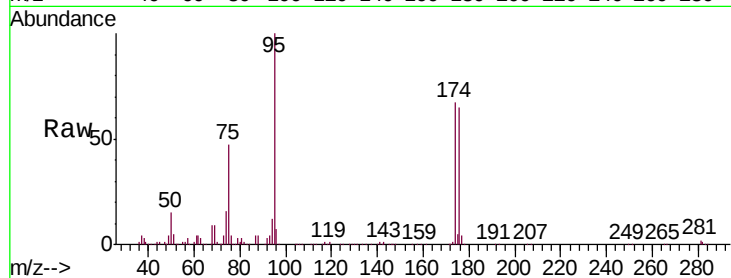
Acq: 21 May 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-643-645



Tgt Ion: 75 Resp: 51766

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.1 39.5 59.3#

