

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010430.D
 Acq On : 18 May 2019 00:58
 Operator : SY/VA
 Sample : K2834-10
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB202-GW-398-400

Quant Time: May 18 01:47:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	684920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1263724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1080601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	456319	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	409524	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.88	113	398325	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.32	98	1529188	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.62	95	558575	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

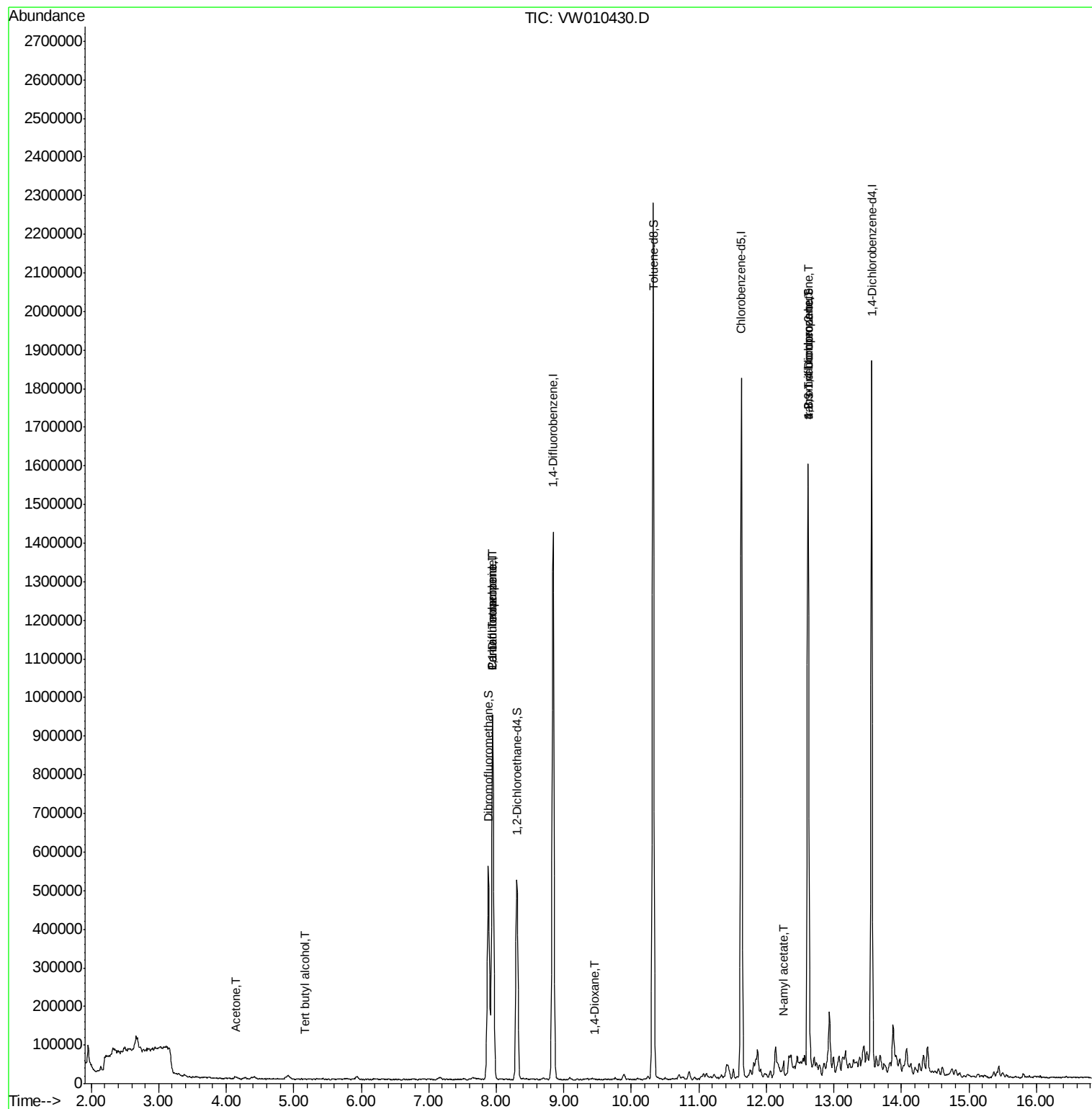
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	1442	Below Cal		78
3) Chloromethane	2.20	50	4038	Below Cal		94
5) Bromomethane	2.76	94	1012	Below Cal	#	42
11) Tert butyl alcohol	5.18	59	821	1.205	ug/l #	1
13) Acrolein	3.87	56	356	Below Cal		99
16) Acetone	4.14	43	9137	6.905	ug/l	96
20) Methylene Chloride	4.92	84	7810	Below Cal	#	92
31) Cyclohexane	7.95	56	14464	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	56483	5.049	ug/l #	49
38) Carbon Tetrachloride	7.95	117	74691	6.186	ug/l #	15
49) 1,4-Dioxane	9.45	88	123	1.800	ug/l #	1
74) N-amyl acetate	12.26	43	10058	1.112	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	265050	54.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	265050	107.039	ug/l #	14

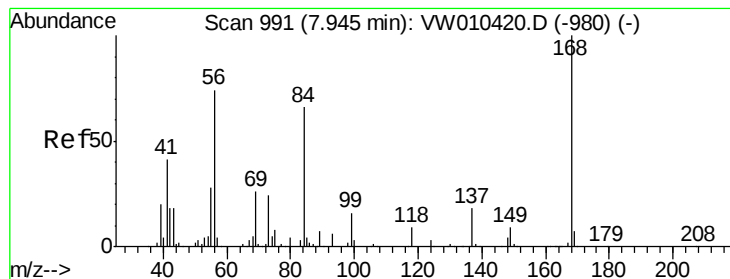
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

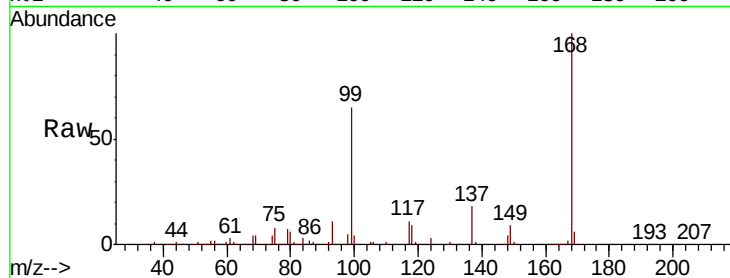
BP-VPB202-GW-398-400

Tgt Ion:168 Resp: 684920

Ion Ratio Lower Upper

168 100

99 65.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

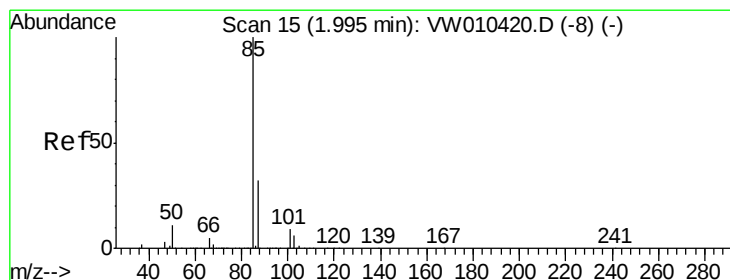
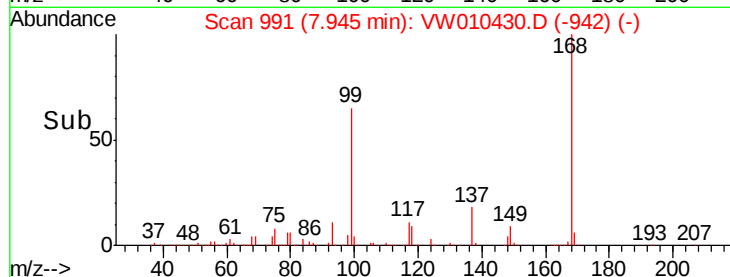
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010430.D

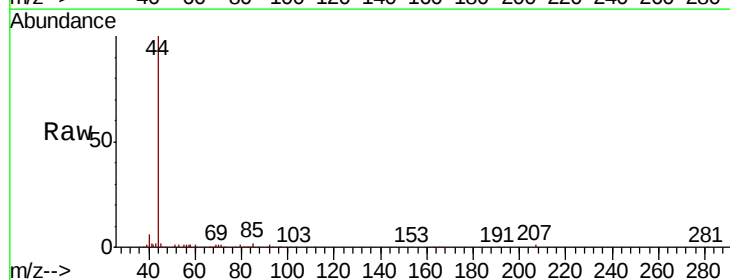
Acq: 18 May 2019 00:58

Tgt Ion: 85 Resp: 1442

Ion Ratio Lower Upper

85 100

87 20.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

1000

800

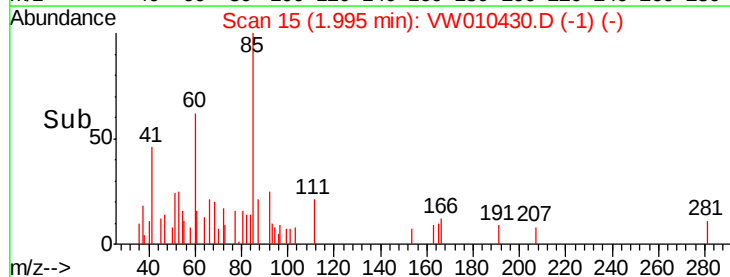
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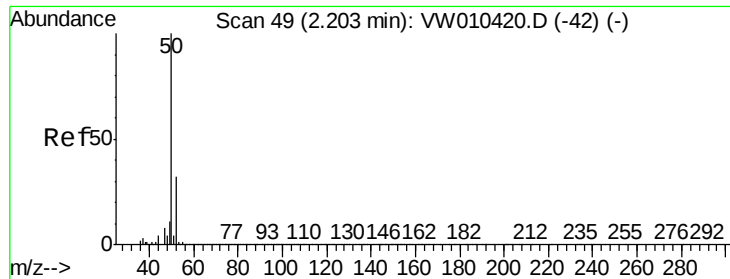
400

200

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. 0.00 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

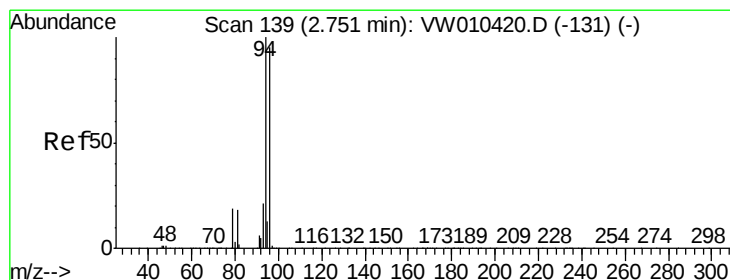
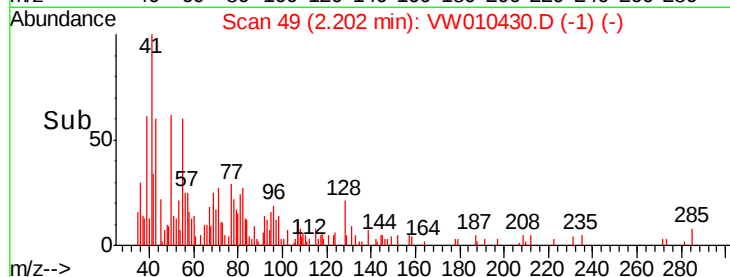
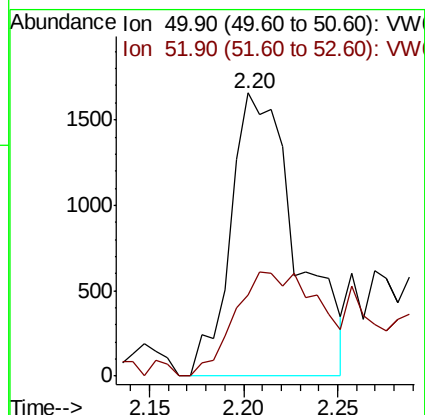
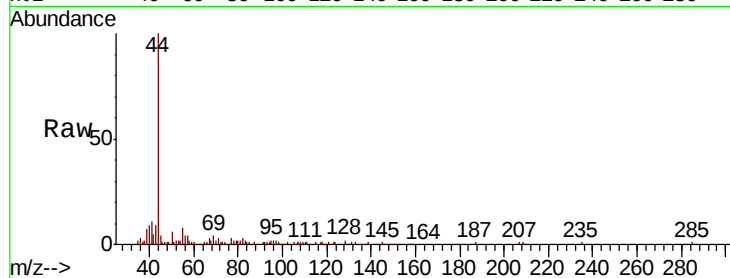
BP-VPB202-GW-398-400

Tgt Ion: 50 Resp: 4038

Ion Ratio Lower Upper

50 100

52 28.5 25.4 38.0



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010430.D

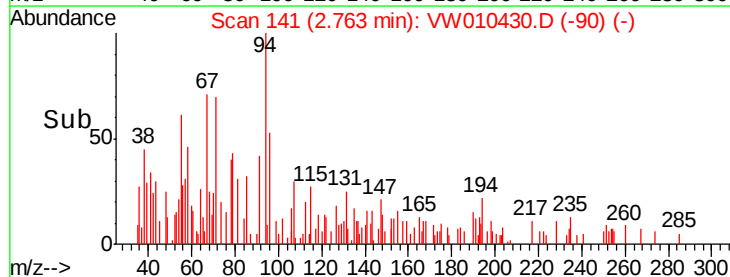
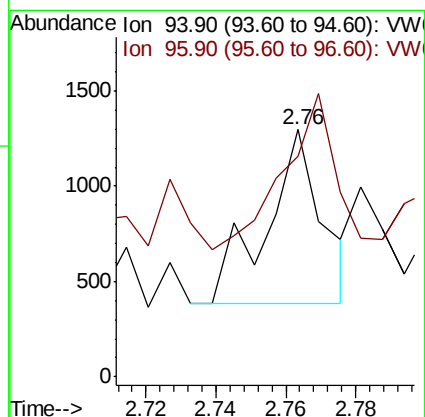
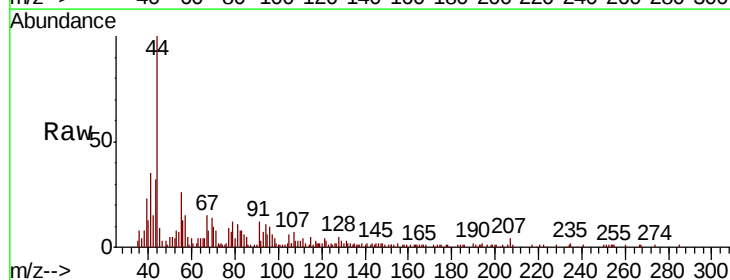
Acq: 18 May 2019 00:58

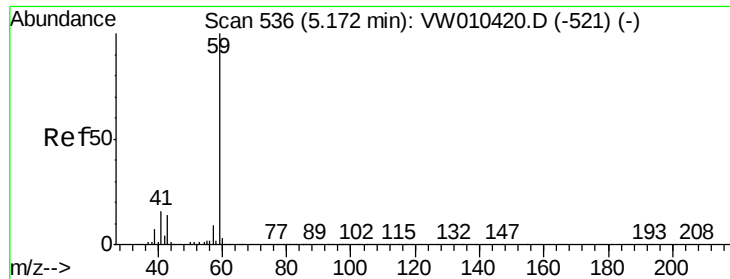
Tgt Ion: 94 Resp: 1012

Ion Ratio Lower Upper

94 100

96 38.7 75.8 113.6#

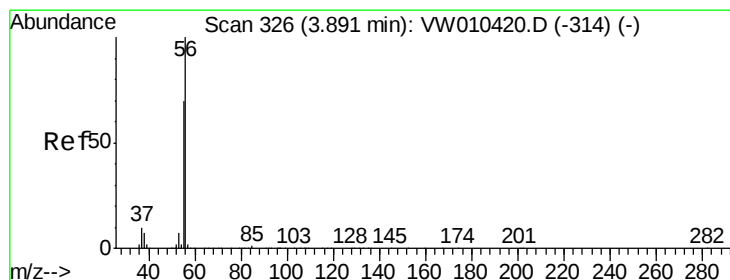
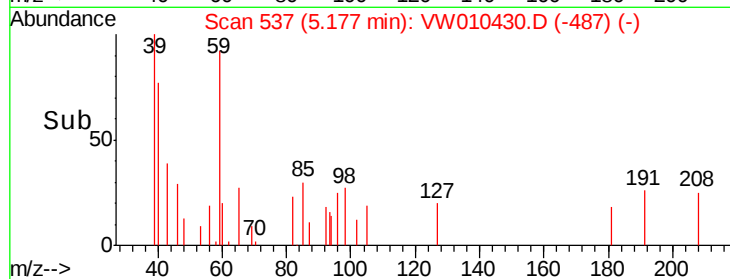
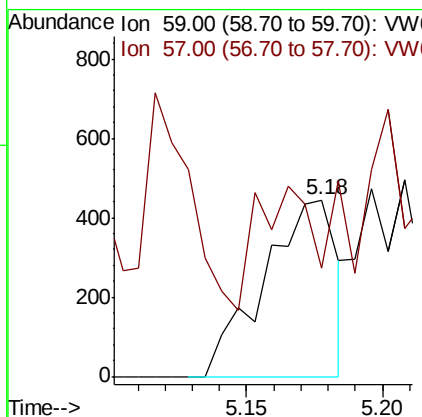
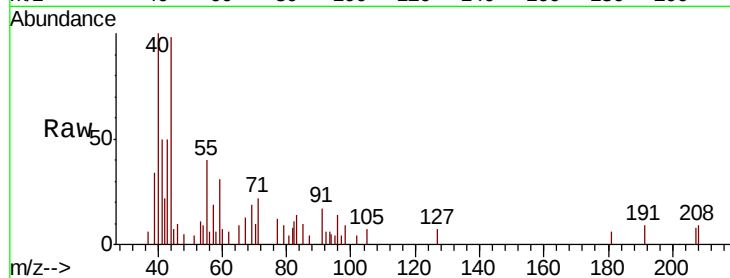




#11
Tert butyl alcohol
Concen: 1.205 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010430.D
Acq: 18 May 2019 00:58

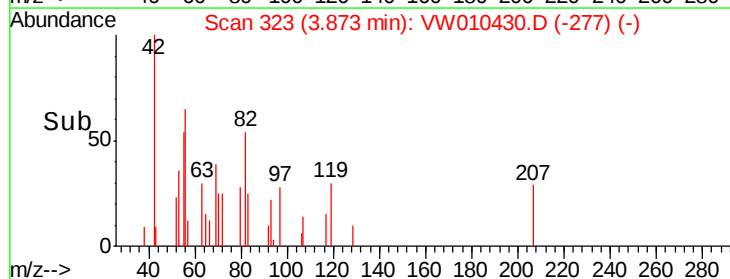
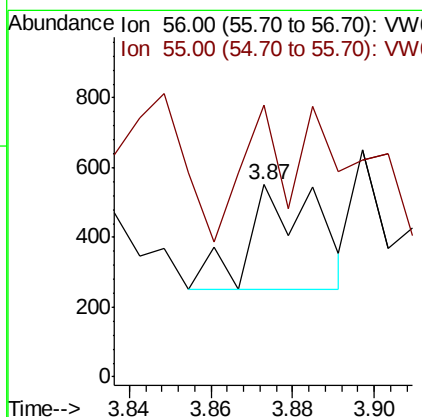
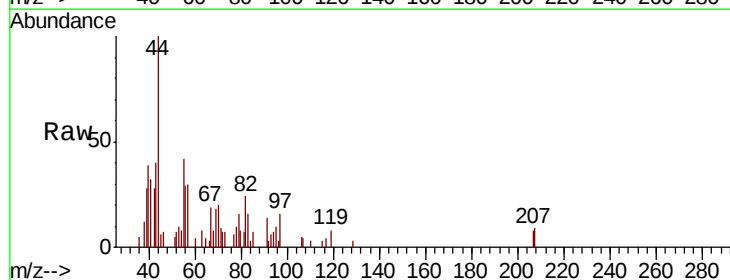
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB202-GW-398-400

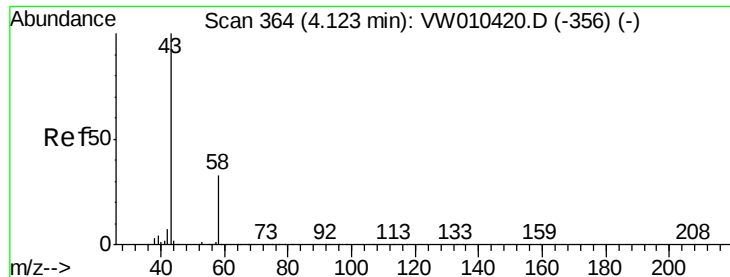
Tgt Ion: 59 Resp: 821
Ion Ratio Lower Upper
59 100
57 53.2 8.4 12.6#



#13
Acrolein
Concen: Below Cal
RT: 3.87 min Scan# 323
Delta R.T. -0.02 min
Lab File: VW010430.D
Acq: 18 May 2019 00:58

Tgt Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
55 71.3 57.6 86.4





#16

Acetone

Concen: 6.905 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

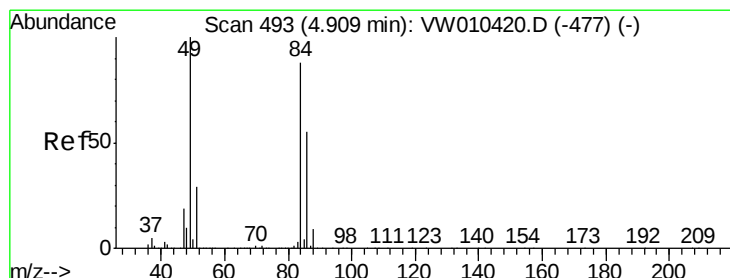
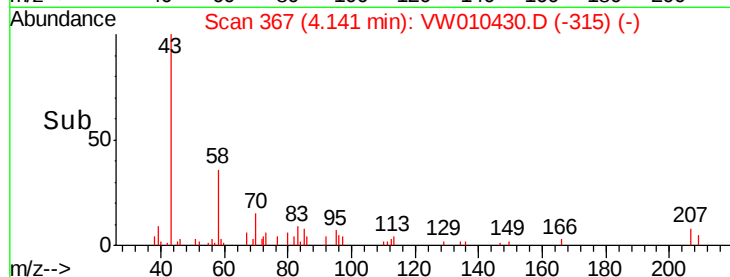
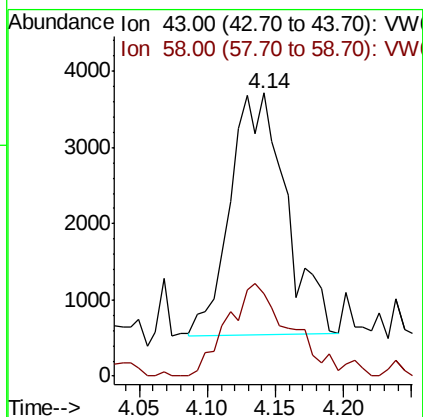
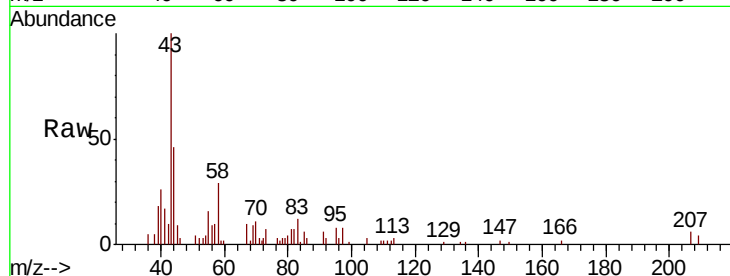
BP-VPB202-GW-398-400

Tgt Ion: 43 Resp: 9137

Ion Ratio Lower Upper

43 100

58 34.5 26.0 39.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Tgt Ion: 84 Resp: 7810

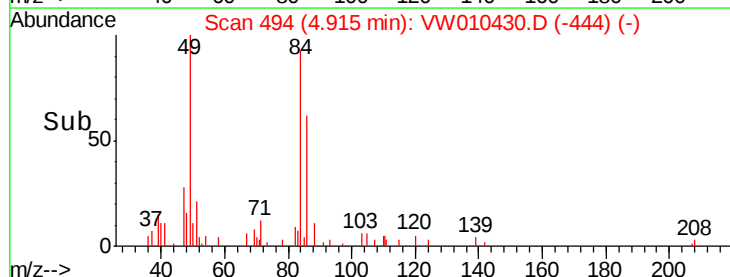
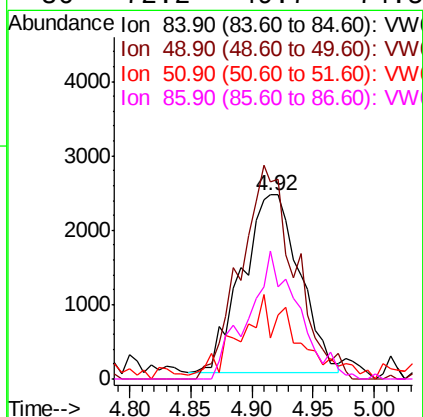
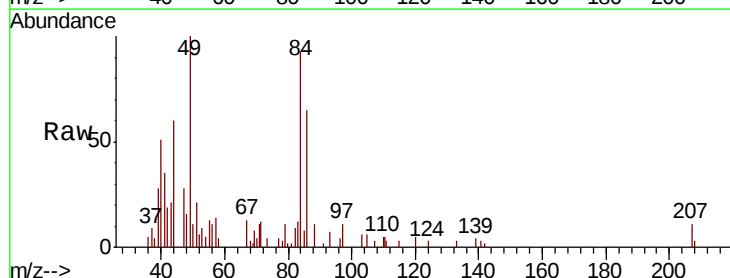
Ion Ratio Lower Upper

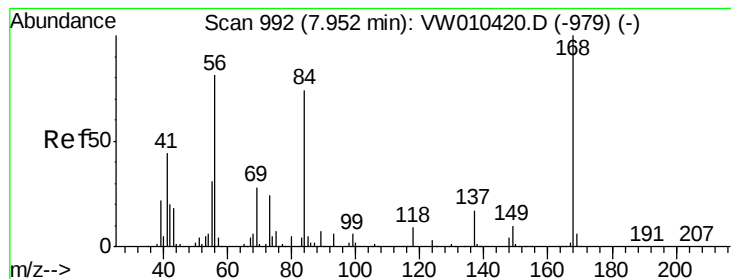
84 100

49 111.6 90.6 135.8

51 20.9 26.6 40.0#

86 72.2 49.7 74.5





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-398-400

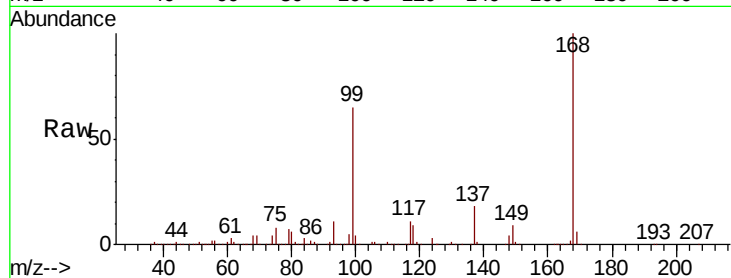
Tgt Ion: 56 Resp: 14464

Ion Ratio Lower Upper

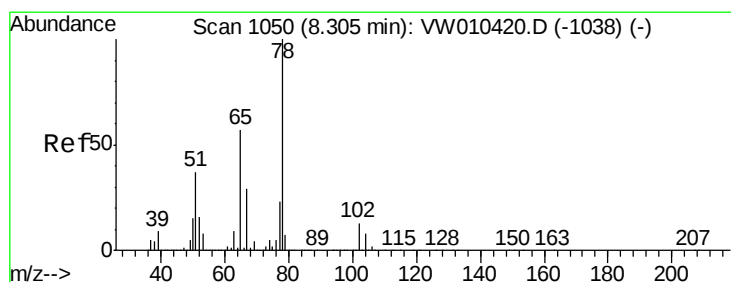
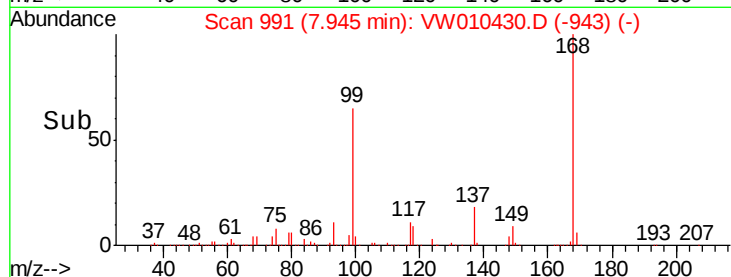
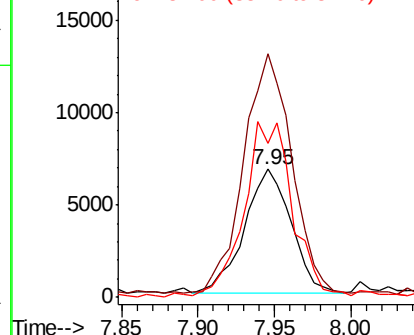
56 100

69 192.1 27.6 41.4#

84 128.2 72.9 109.3#



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: 54.518 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010430.D

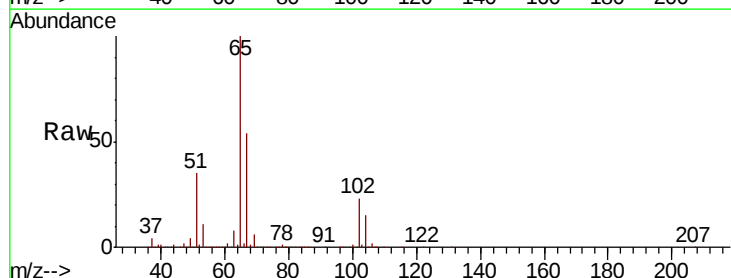
Acq: 18 May 2019 00:58

Tgt Ion: 65 Resp: 409524

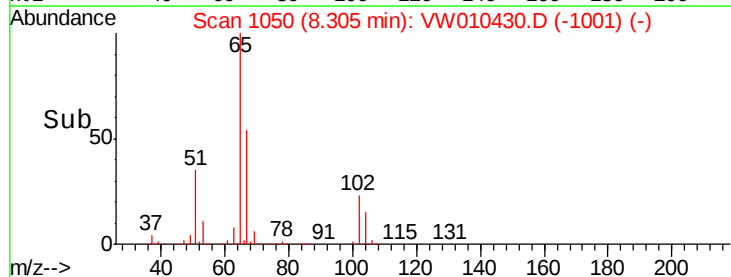
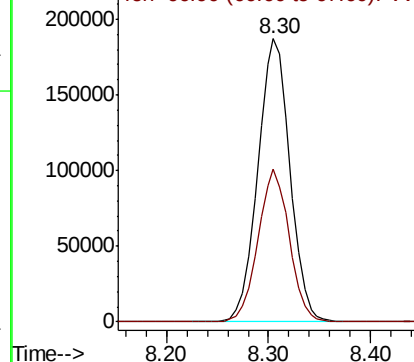
Ion Ratio Lower Upper

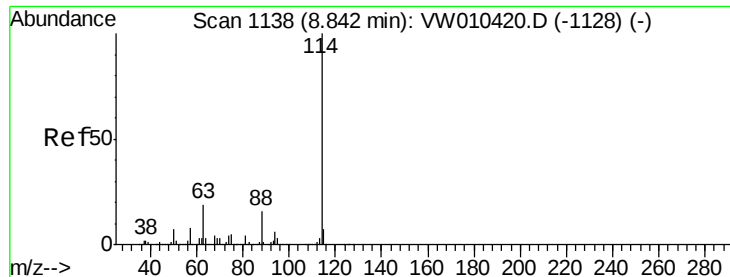
65 100

67 52.4 0.0 104.2



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

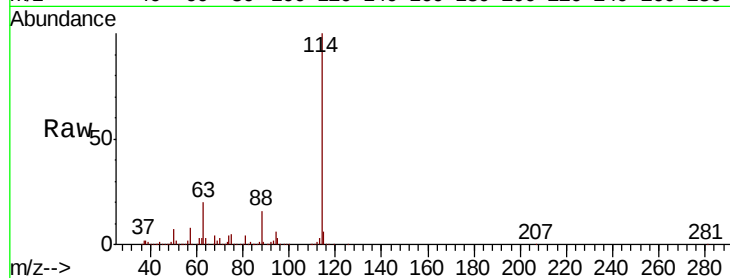




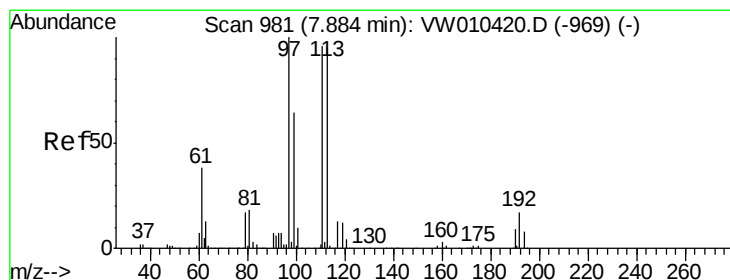
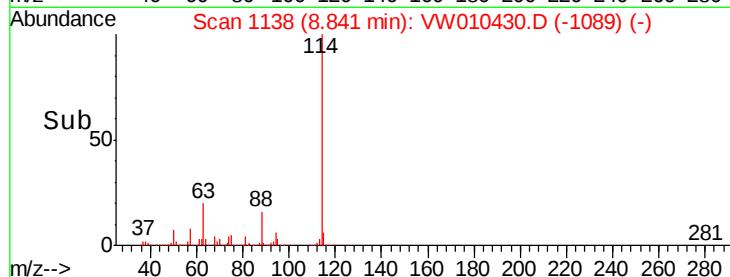
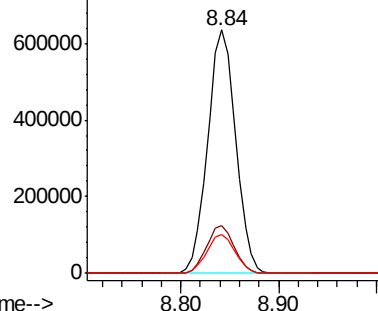
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010430.D
 Acq: 18 May 2019 00:58

Instrument :
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 BP-VPB202-GW-398-400

Tgt Ion:114 Resp: 1263724
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.8
 88 16.0 0.0 31.6

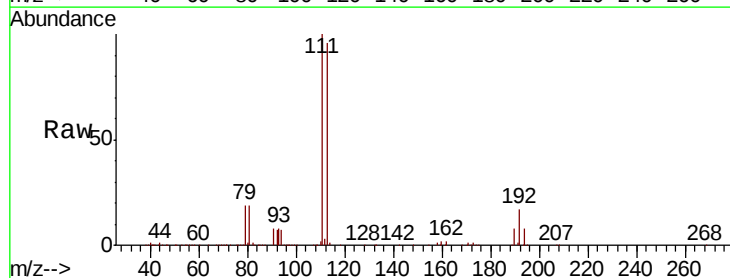


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

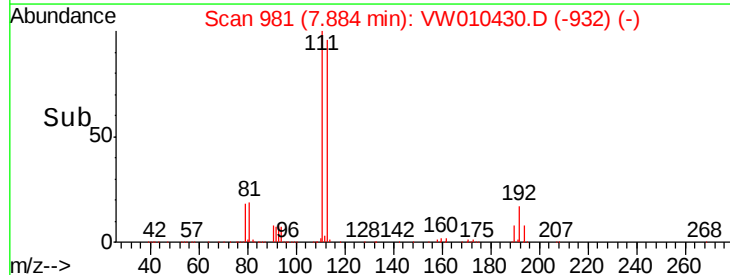
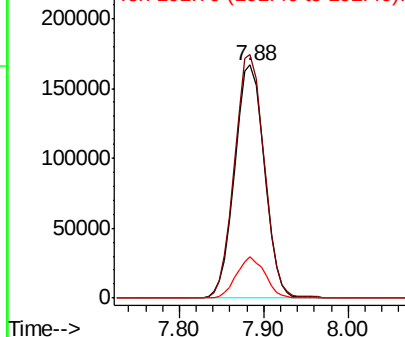


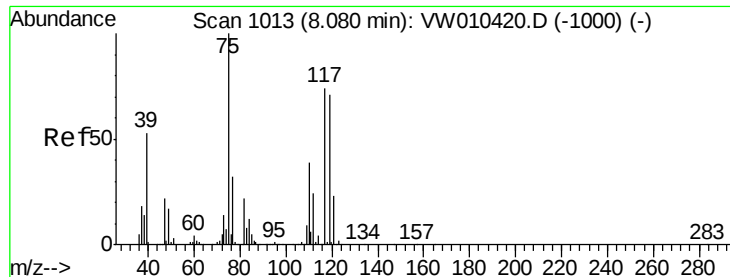
#35
 Dibromofluoromethane
 Concen: 51.034 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010430.D
 Acq: 18 May 2019 00:58

Tgt Ion:113 Resp: 398325
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.5 123.7
 192 17.0 14.2 21.4



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

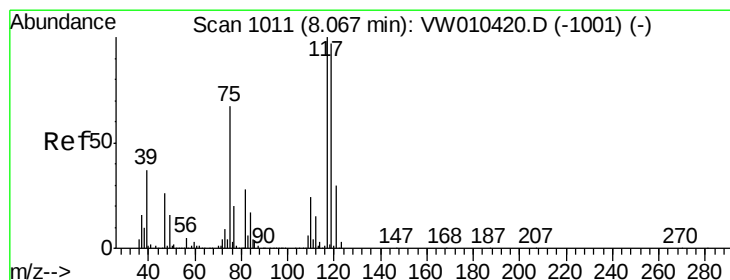
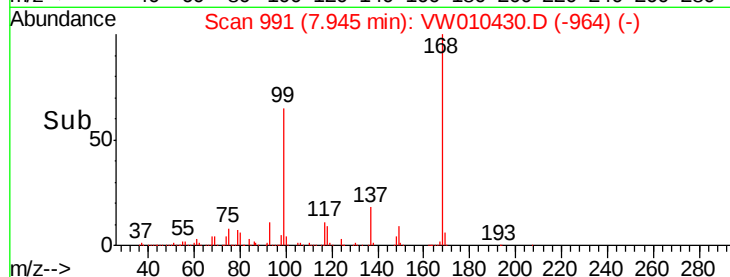
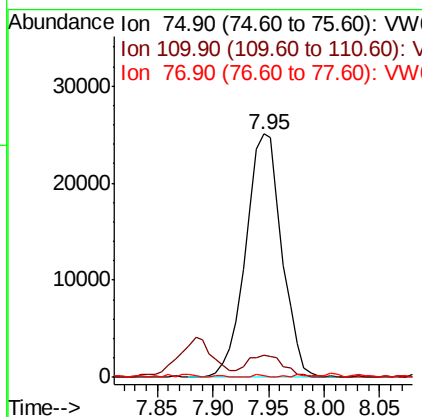
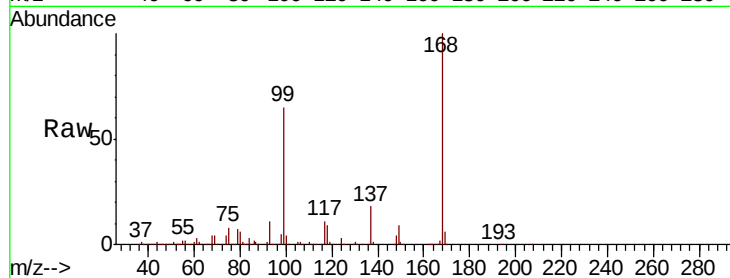




#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010430.D
 Acq: 18 May 2019 00:58

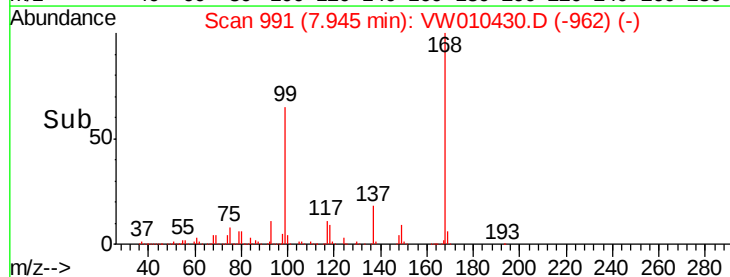
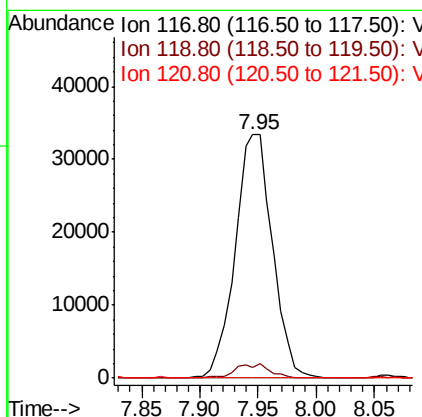
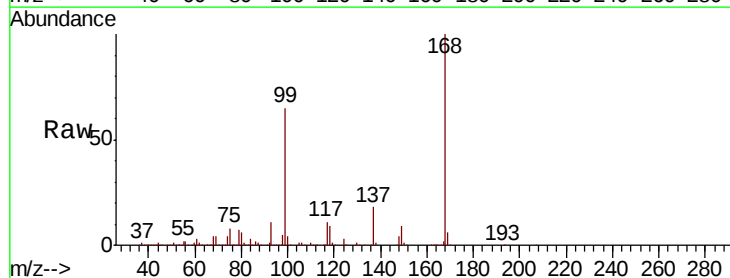
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB202-GW-398-400

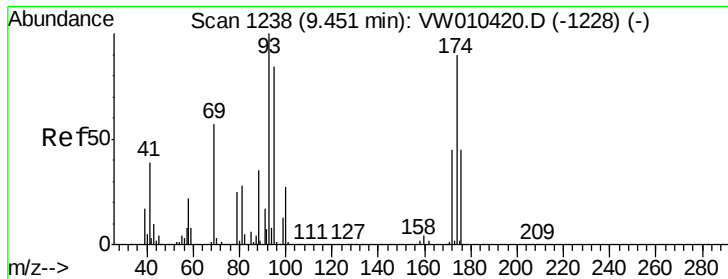
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.4	58.1#
77	0.3	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.186 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010430.D
 Acq: 18 May 2019 00:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.8	116.6#
121	0.0	24.2	36.2#

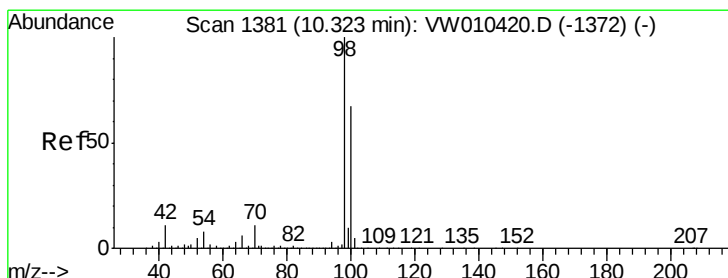
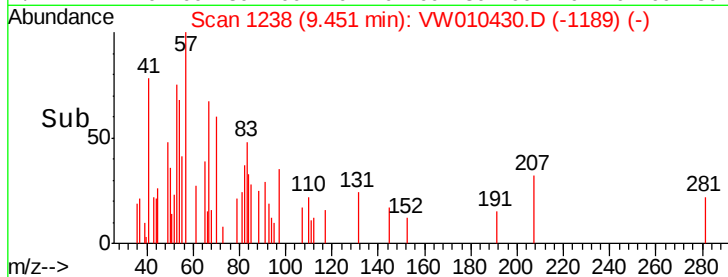
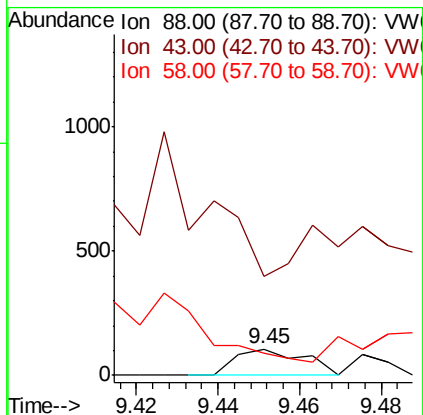
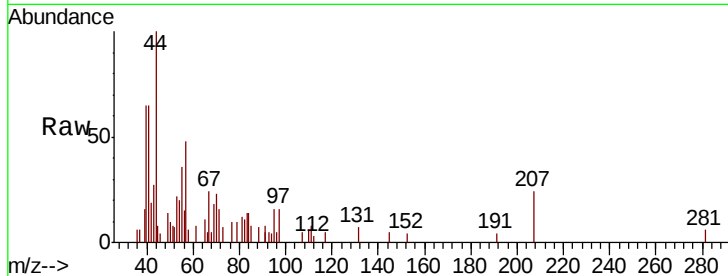




#49
 1,4-Dioxane
 Concen: 1.800 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW010430.D
 Acq: 18 May 2019 00:58

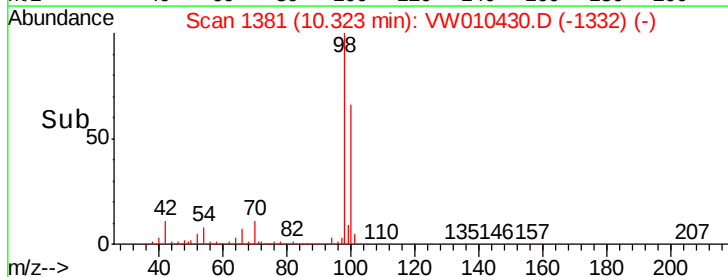
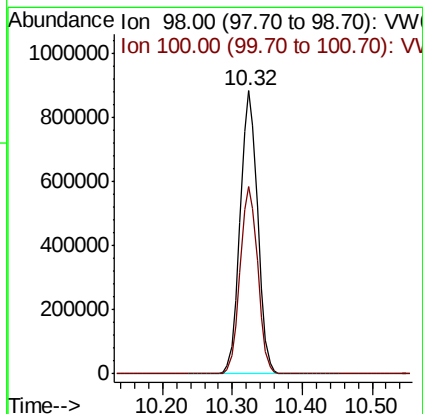
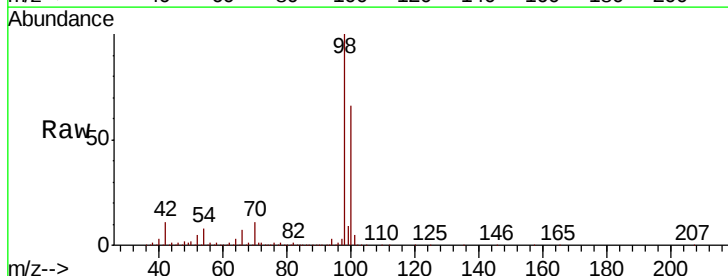
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB202-GW-398-400

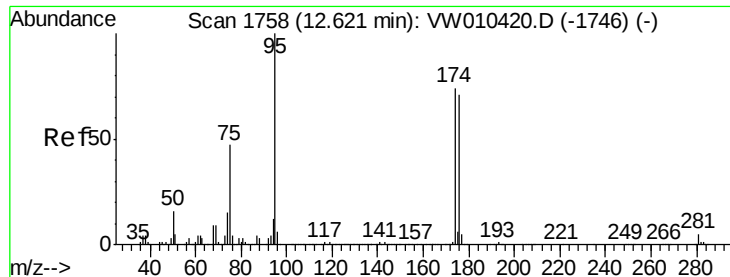
Tgt Ion: 88 Resp: 123
 Ion Ratio Lower Upper
 88 100
 43 213.8 24.9 37.3#
 58 0.0 55.0 82.6#



#50
 Toluene-d8
 Concen: 52.538 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010430.D
 Acq: 18 May 2019 00:58

Tgt Ion: 98 Resp: 1529188
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 48.881 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-398-400

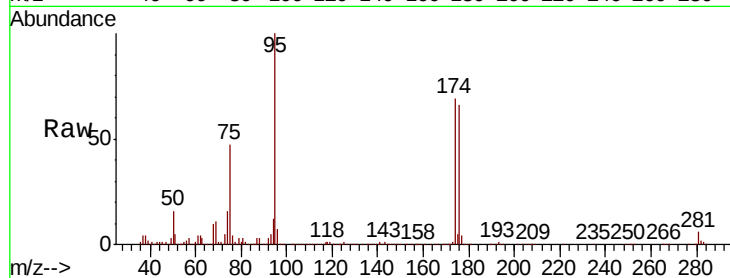
Tgt Ion: 95 Resp: 558575

Ion Ratio Lower Upper

95 100

174 66.5 0.0 146.6

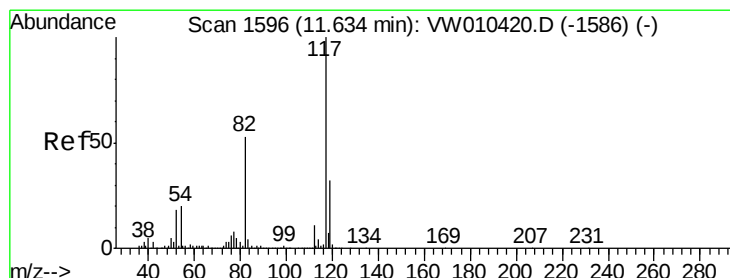
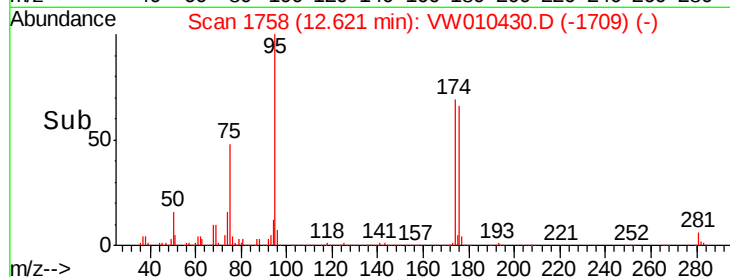
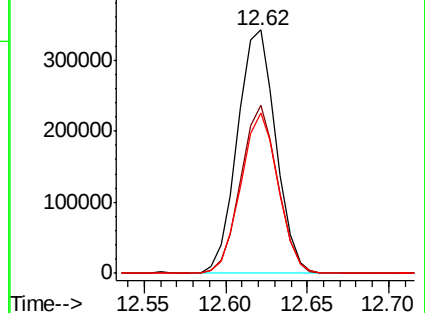
176 64.4 0.0 141.4



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: VW010430.D

Acq: 18 May 2019 00:58

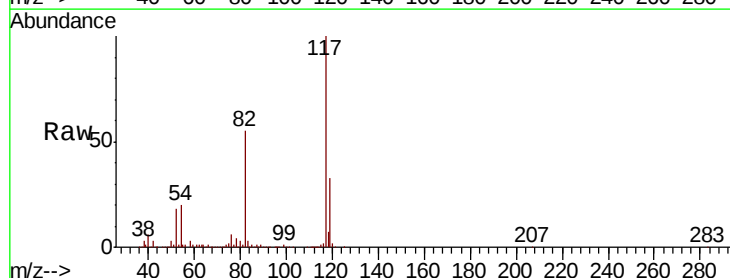
Tgt Ion: 117 Resp: 1080601

Ion Ratio Lower Upper

117 100

82 55.3 42.1 63.1

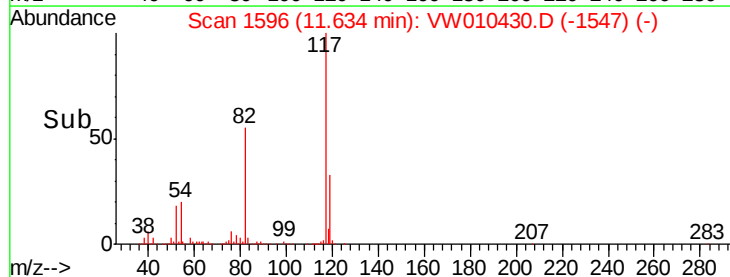
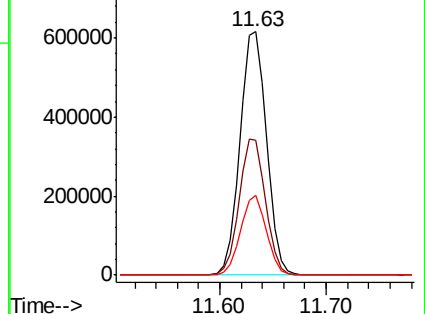
119 32.6 25.6 38.4

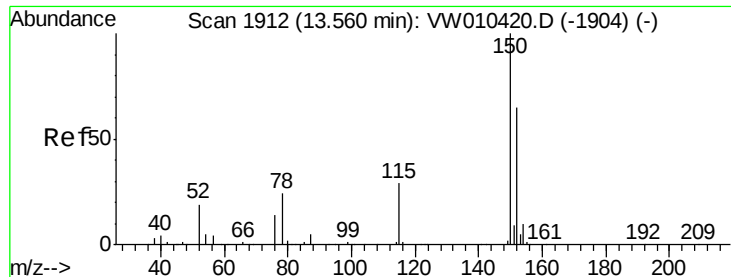


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB202-GW-398-400

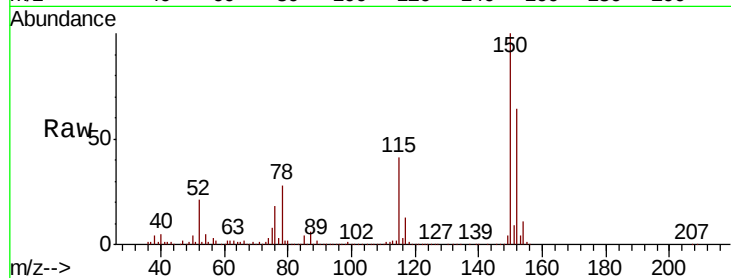
Tgt Ion:152 Resp: 456319

Ion Ratio Lower Upper

152 100

115 63.5 30.0 90.1

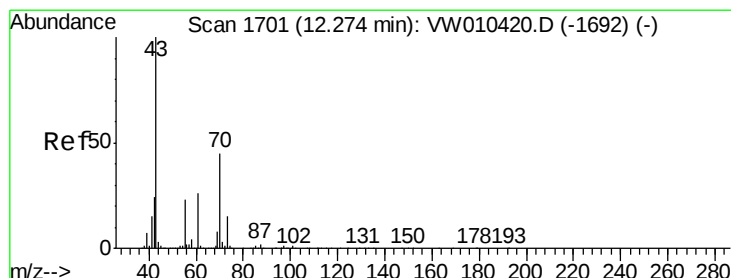
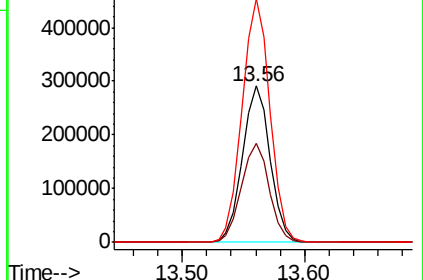
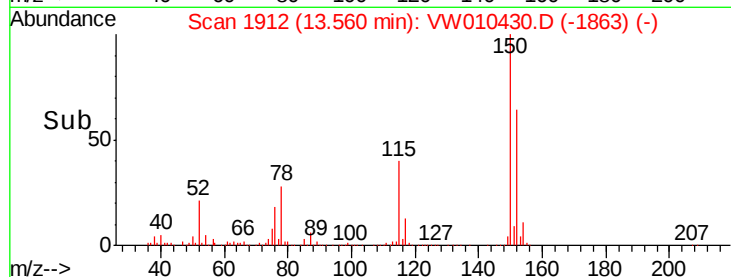
150 156.5 0.0 350.2



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



#74

N-ethyl acetate

Concen: 1.112 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Tgt Ion: 43 Resp: 10058

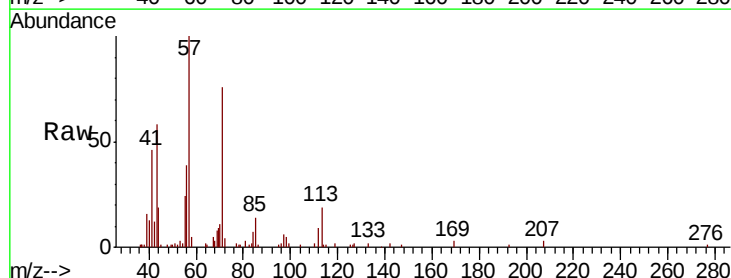
Ion Ratio Lower Upper

43 100

70 0.0 36.4 54.6#

55 0.0 19.0 28.6#

61 0.7 20.6 31.0#

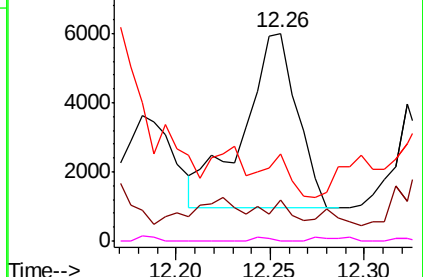
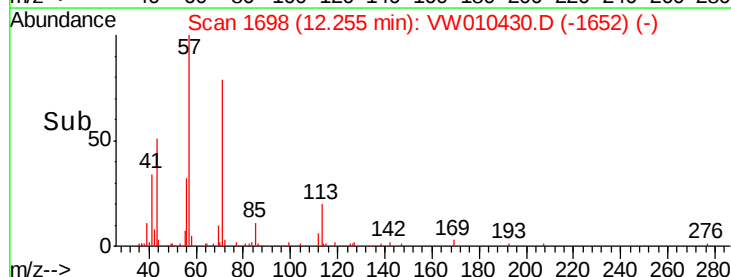


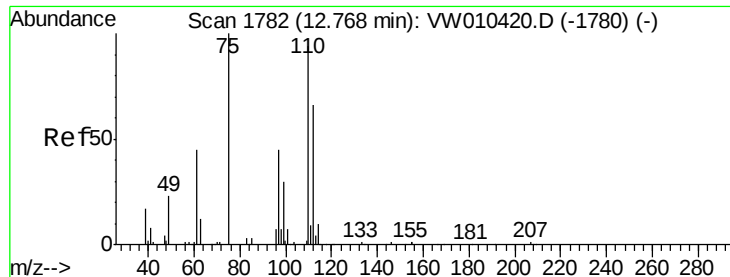
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 54.243 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

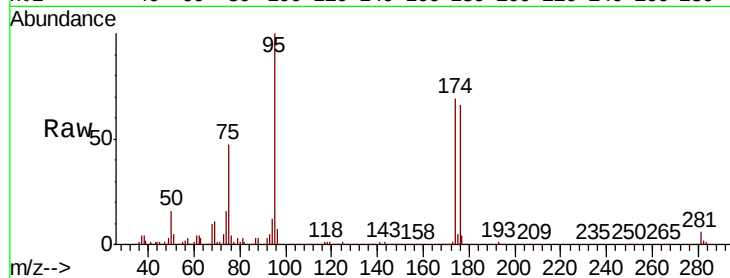
BP-VPB202-GW-398-400

Tgt Ion: 75 Resp: 265050

Ion Ratio Lower Upper

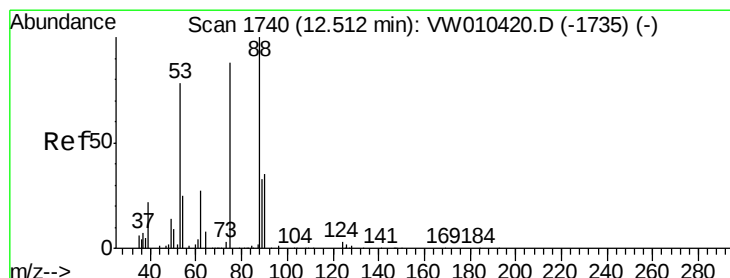
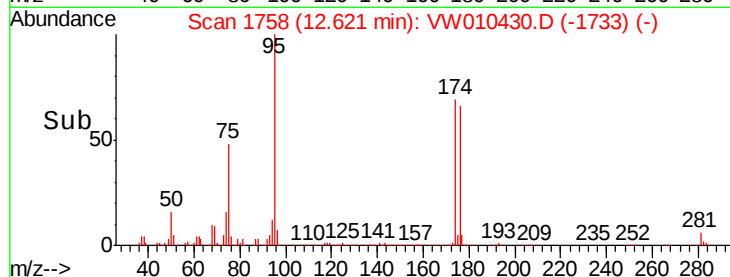
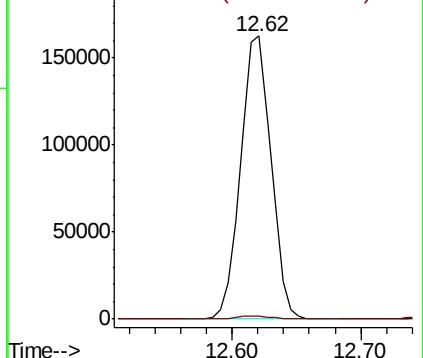
75 100

77 1.1 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: 107.039 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010430.D

Acq: 18 May 2019 00:58

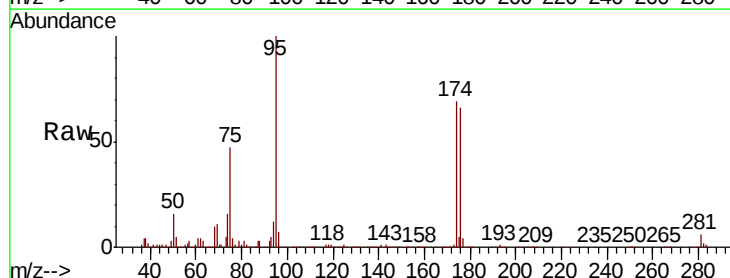
Tgt Ion: 75 Resp: 265050

Ion Ratio Lower Upper

75 100

53 0.1 70.7 106.1#

89 0.2 38.6 58.0#



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

