

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015231.D
 Acq On : 20 Apr 2020 18:51
 Operator : SY/VA
 Sample : L2330-04
 Misc : 5.70G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-10-2

Quant Time: Apr 21 06:56:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	315243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118415	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	87987	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	7.89	113	90742	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.32	98	375010	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.62	95	121285	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	

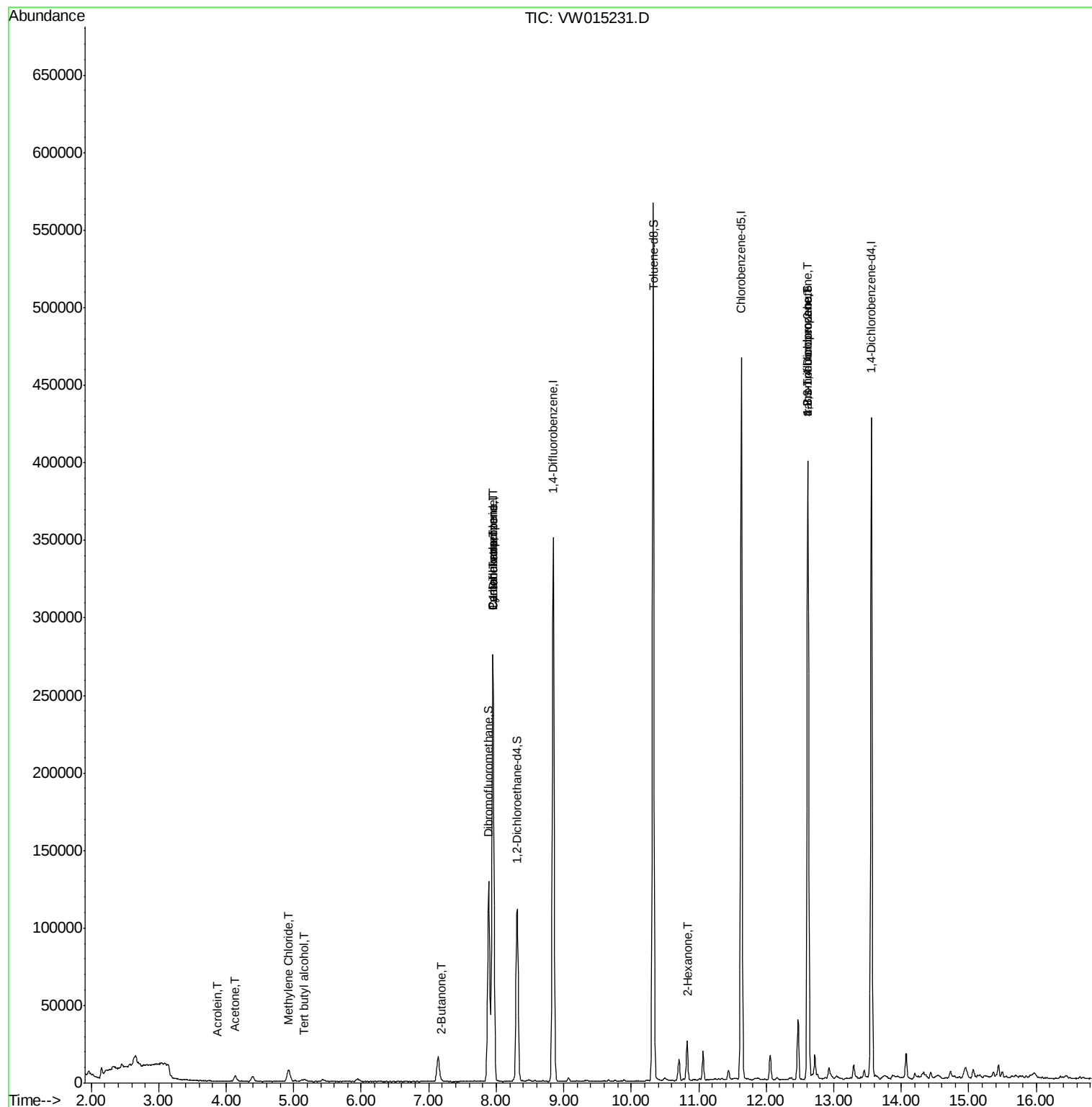
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	2981	20.432	ug/l #	81
13) Acrolein	3.87	56	120	1.571	ug/l #	79
16) Acetone	4.14	43	6377	20.399	ug/l	99
20) Methylene Chloride	4.92	84	6398	3.123	ug/l #	91
25) 2-Butanone	7.19	43	2214	5.338	ug/l #	74
31) Cyclohexane	7.95	56	4284	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14783	5.196	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19555	6.289	ug/l #	18
59) 2-Hexanone	10.83	43	14645	22.566	ug/l	78
76) 1,2,3-Trichloropropane	12.62	75	62033	67.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62033	148.029	ug/l #	15

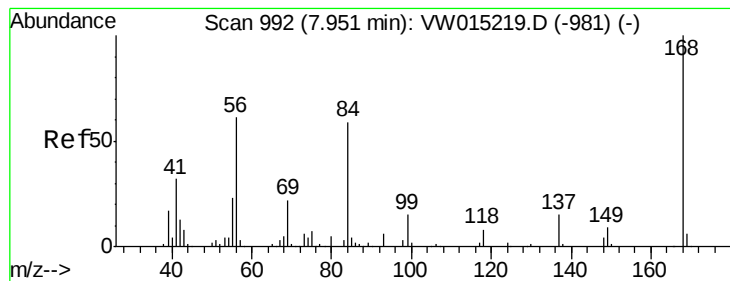
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampled :

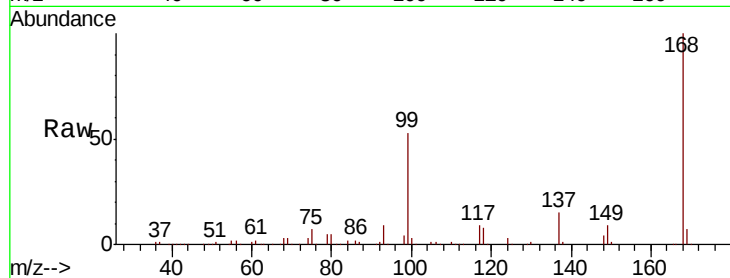
WB-10-2

Tot Ion:168 Resp: 218868

Ion Ratio Lower Upper

168 100

99 52.8 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

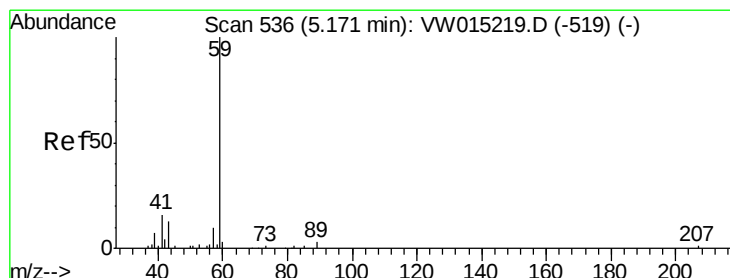
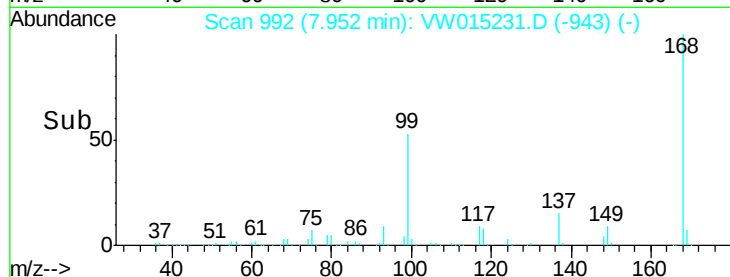
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 20.432 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW015231.D

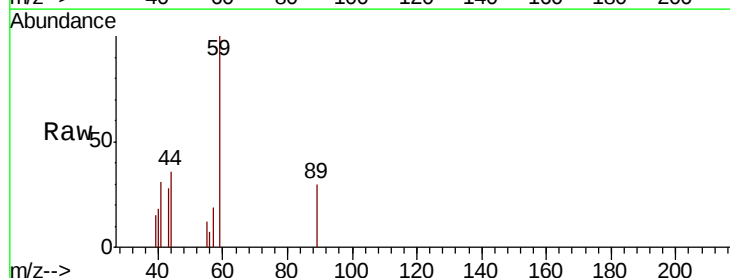
Acq: 20 Apr 2020 18:51

Tgt Ion: 59 Resp: 2981

Ion Ratio Lower Upper

59 100

57 3.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

800

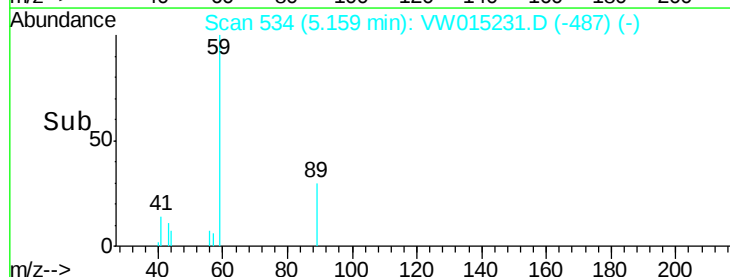
600

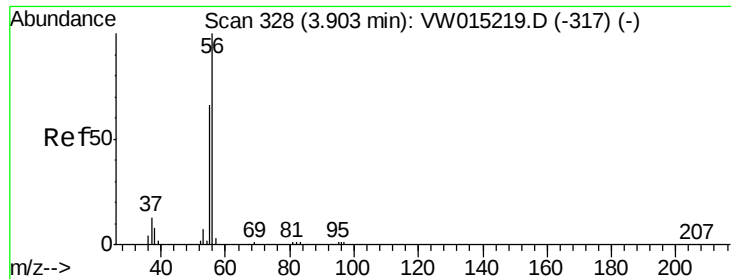
400

200

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 1.571 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.03 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

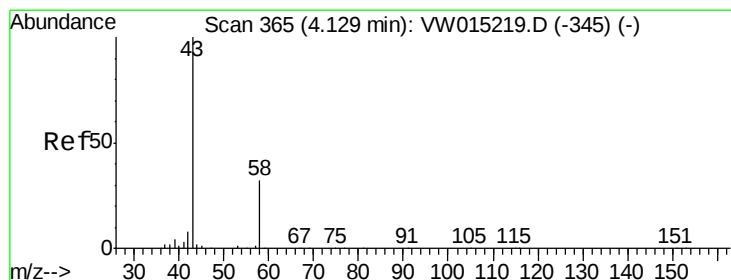
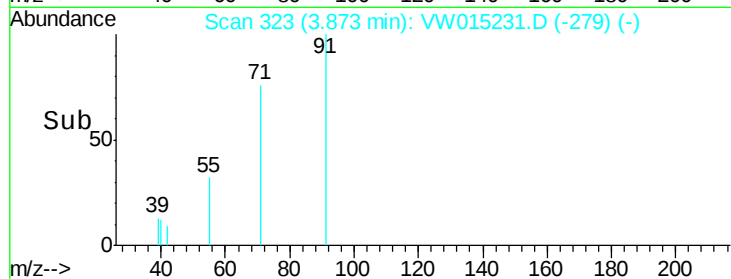
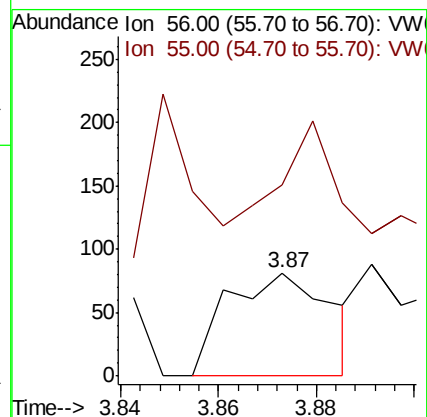
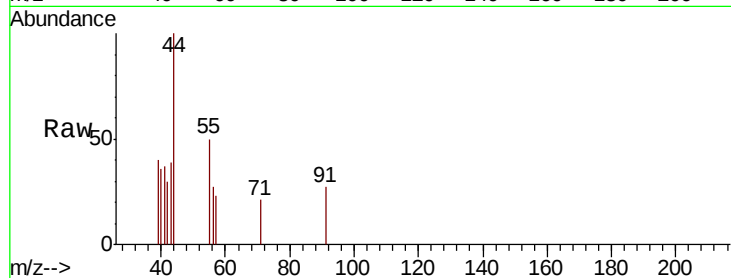
WB-10-2

Tot Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 53.3 56.2 84.2#



#16

Acetone

Concen: 20.399 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015231.D

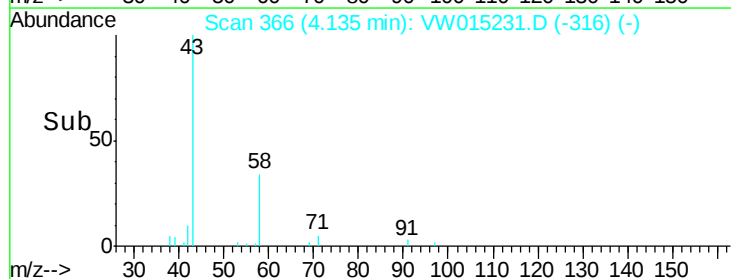
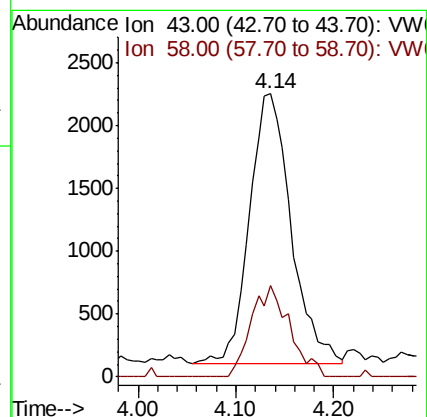
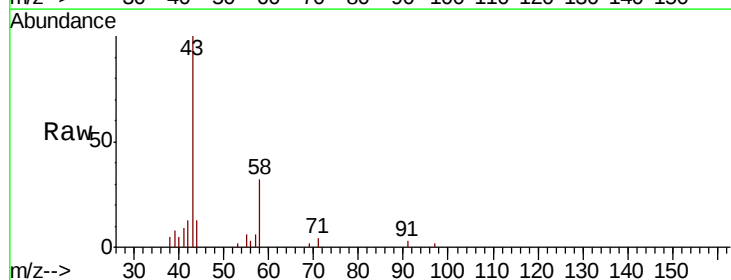
Acq: 20 Apr 2020 18:51

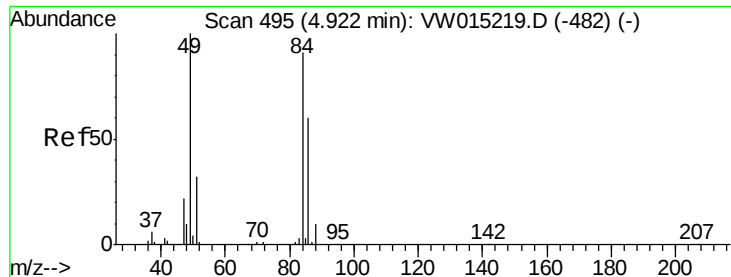
Tgt Ion: 43 Resp: 6377

Ion Ratio Lower Upper

43 100

58 34.1 27.0 40.4





#20

Methylene Chloride

Concen: 3.123 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

WB-10-2

Tot Ion: 84 Resp: 6398

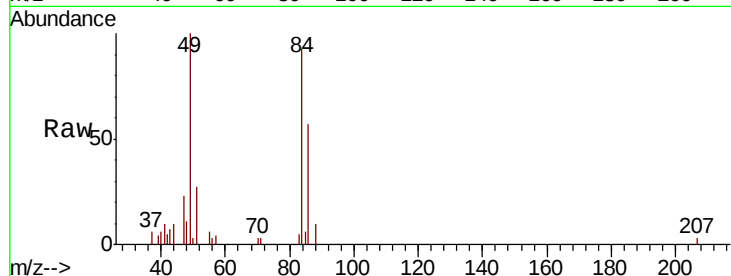
Ion Ratio Lower Upper

84 100

49 107.3 95.4 143.0

51 28.9 29.8 44.8#

86 61.4 47.4 71.0

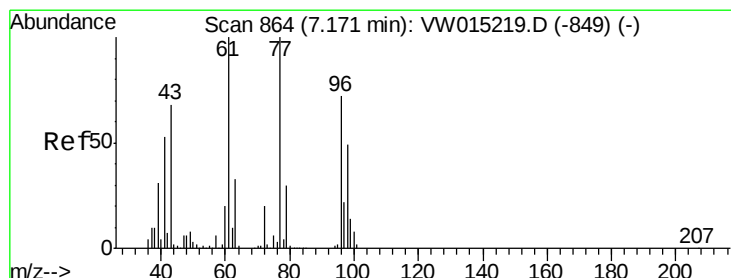
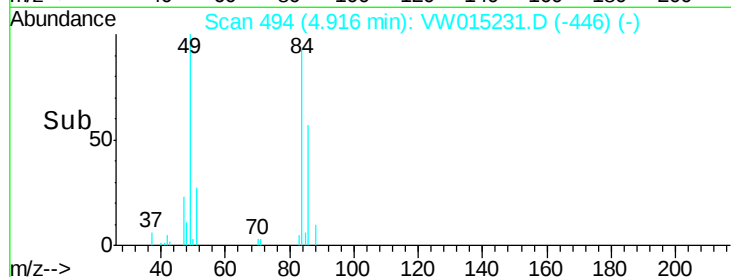
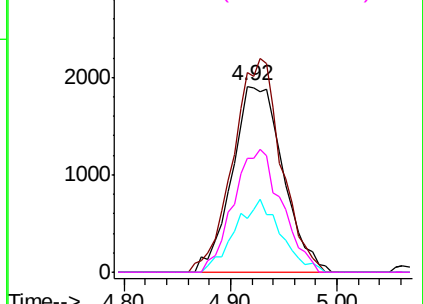


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 5.338 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW015231.D

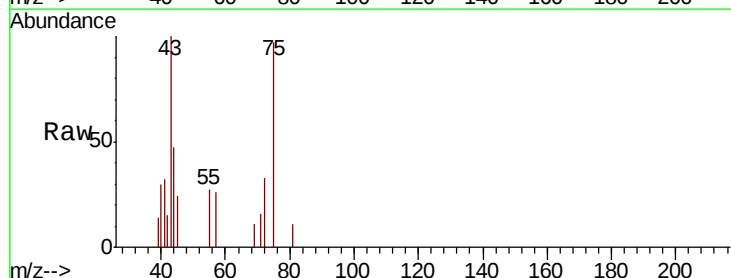
Acq: 20 Apr 2020 18:51

Tgt Ion: 43 Resp: 2214

Ion Ratio Lower Upper

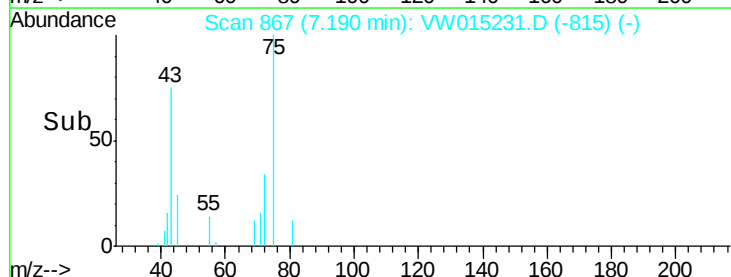
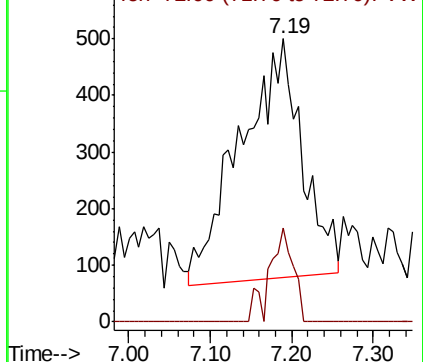
43 100

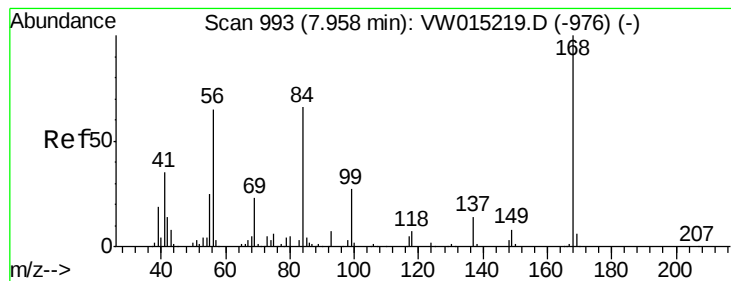
72 40.5 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.294 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

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ClientSampleId :

WB-10-2

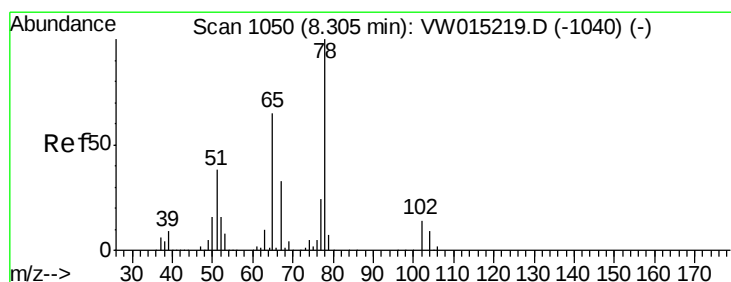
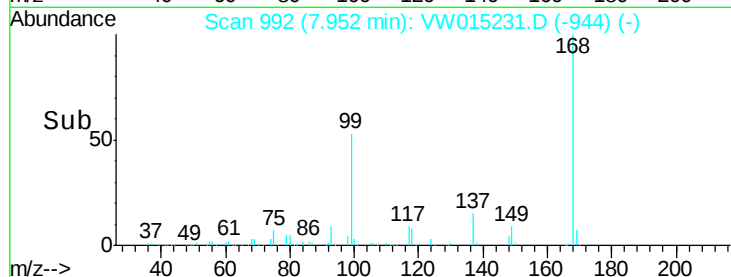
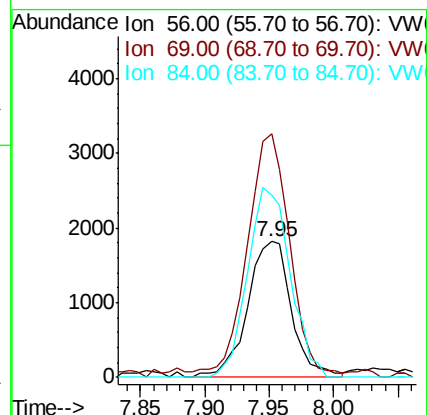
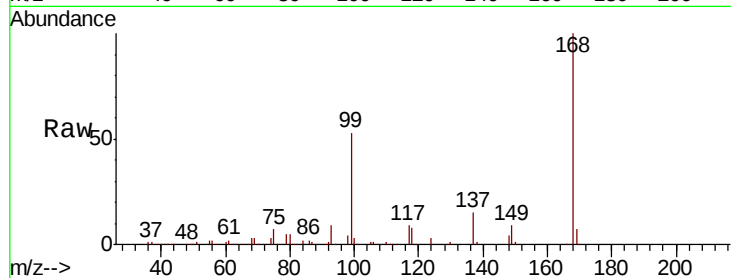
Tot Ion: 56 Resp: 4284

Ion Ratio Lower Upper

56 100

69 176.2 27.1 40.7#

84 134.3 71.9 107.9#



#33

1,2-Dichloroethane-d4

Concen: 49.161 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW015231.D

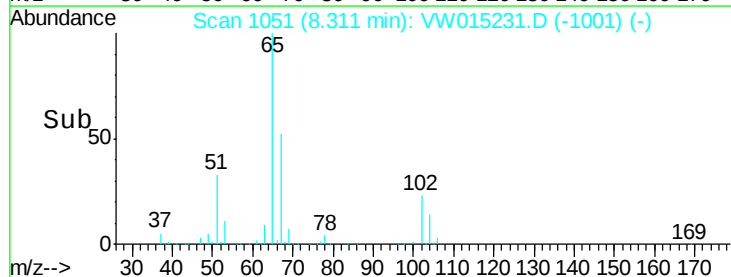
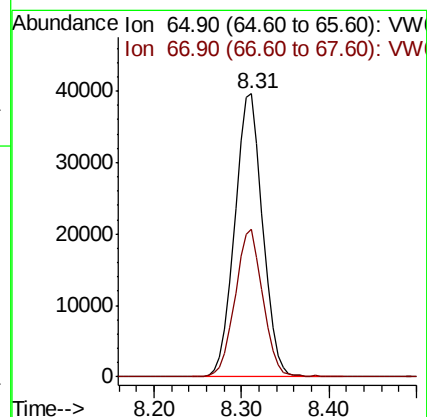
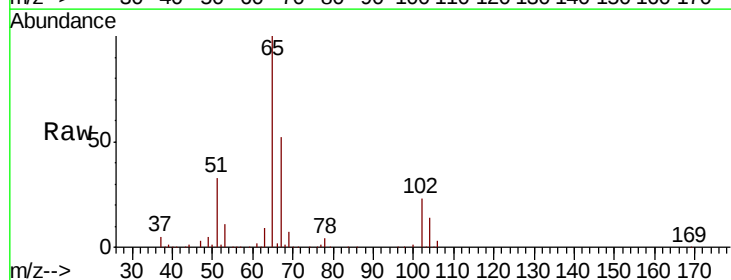
Acq: 20 Apr 2020 18:51

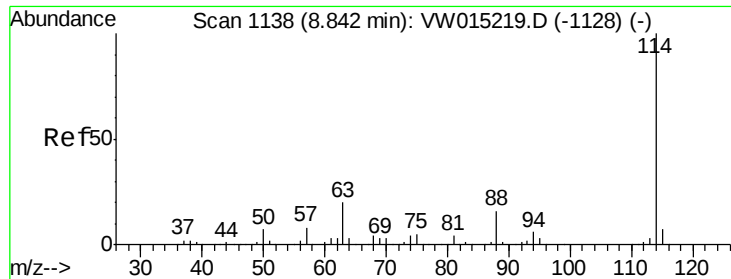
Tgt Ion: 65 Resp: 87987

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

WB-10-2

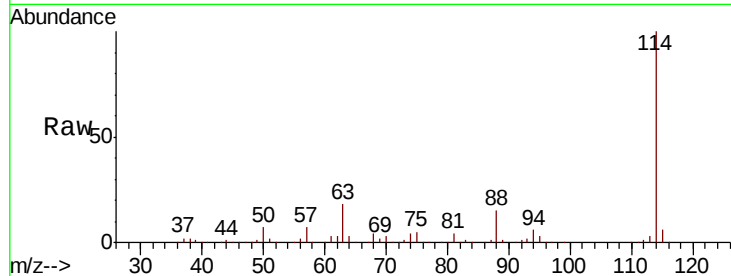
Tot Ion:114 Resp: 315243

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.8

88 14.9 0.0 30.2



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

8.85

200000

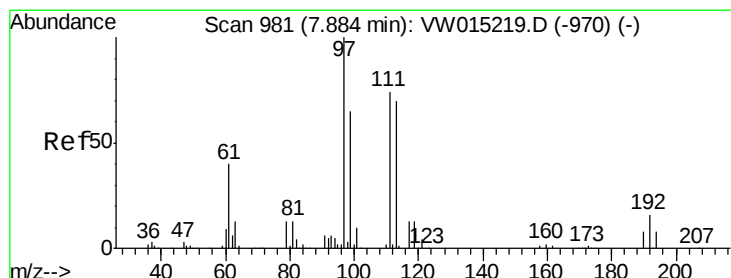
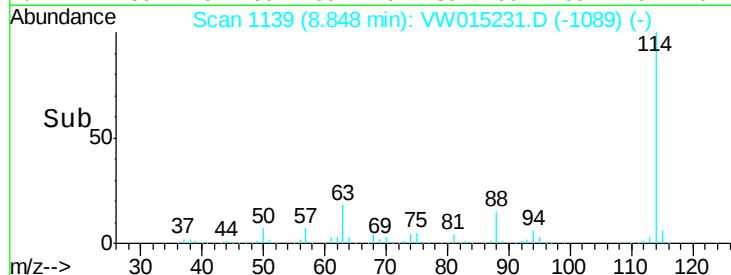
150000

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 51.966 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

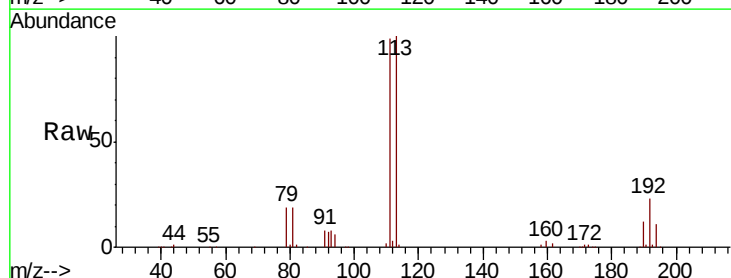
Tgt Ion:113 Resp: 90742

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 22.6 15.1 22.7



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

7.89

50000

40000

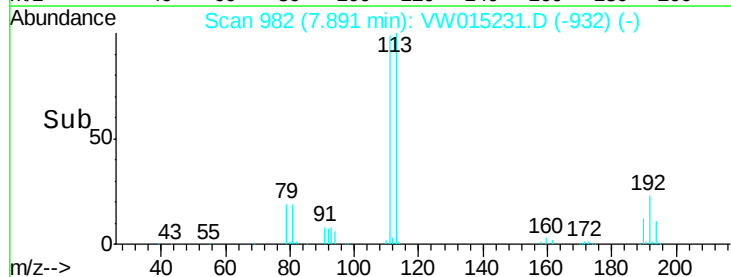
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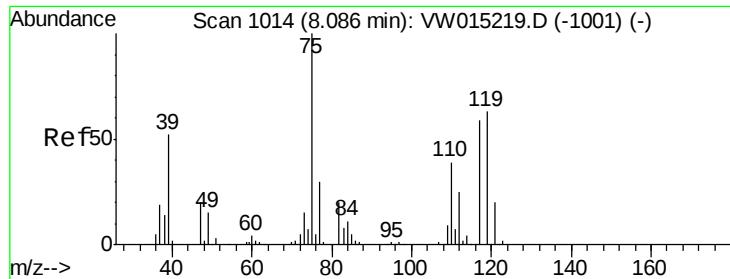
20000

10000

0

Time-->

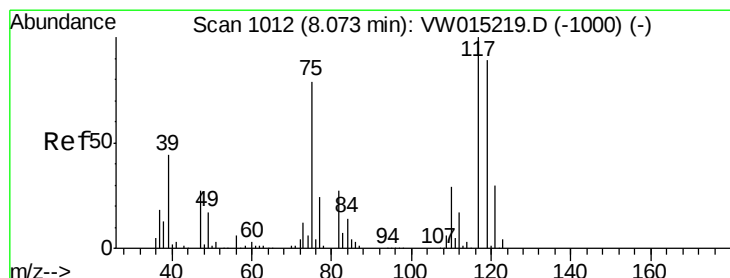
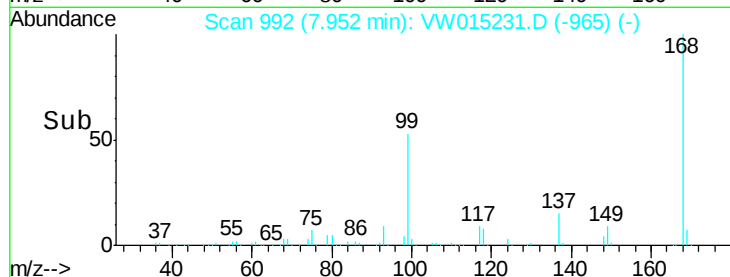
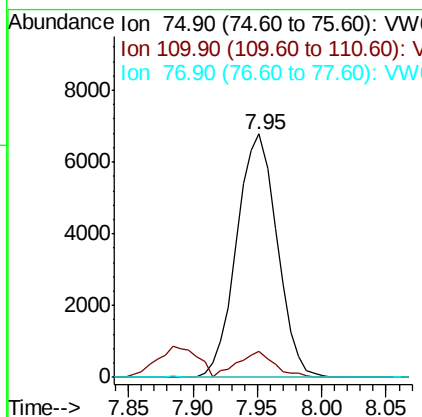
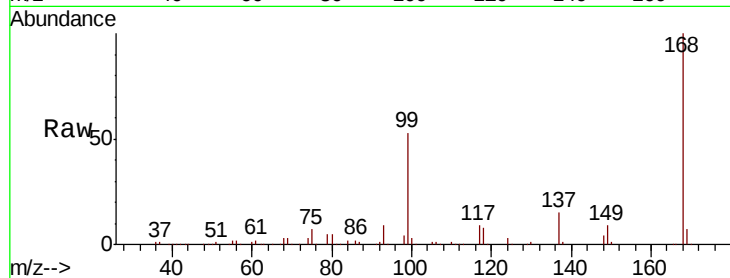




#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015231.D
 Acq: 20 Apr 2020 18:51

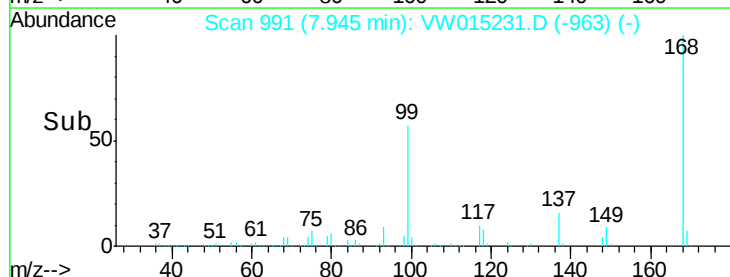
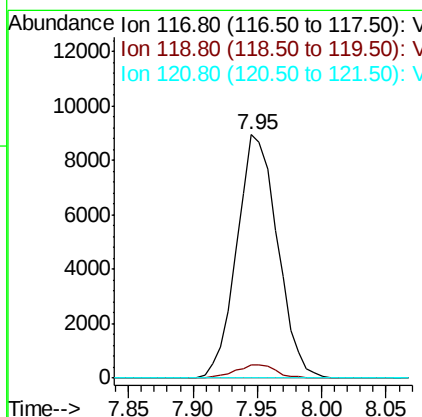
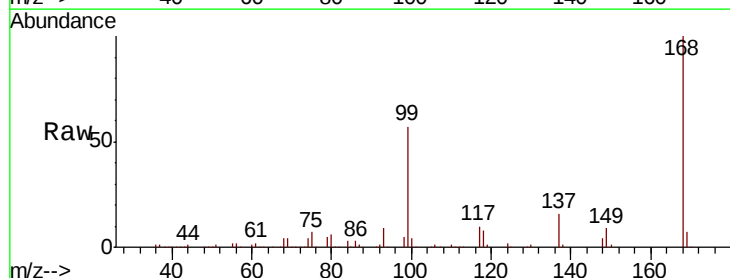
Instrument :
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 WB-10-2

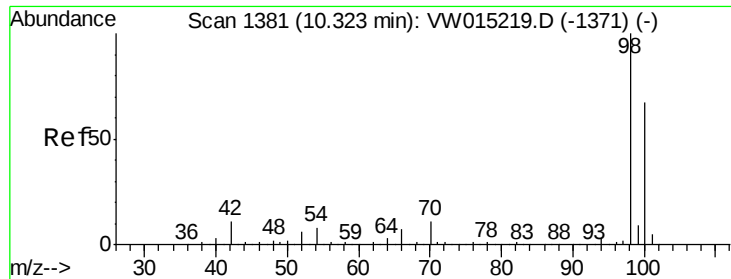
Tot Ion: 75 Resp: 14783
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.2 54.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.289 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015231.D
 Acq: 20 Apr 2020 18:51

Tgt Ion: 117 Resp: 19555
 Ion Ratio Lower Upper
 117 100
 119 5.2 72.3 108.5#
 121 0.0 23.7 35.5#

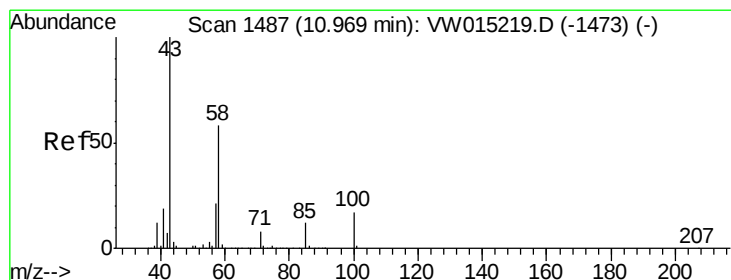
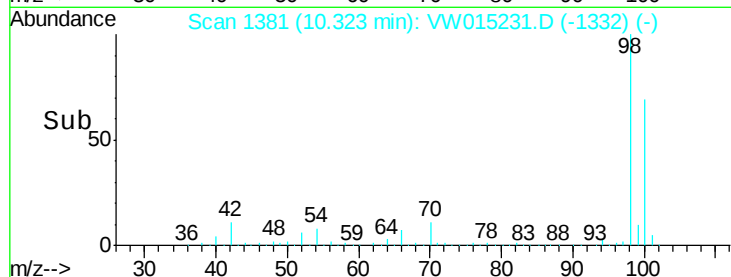
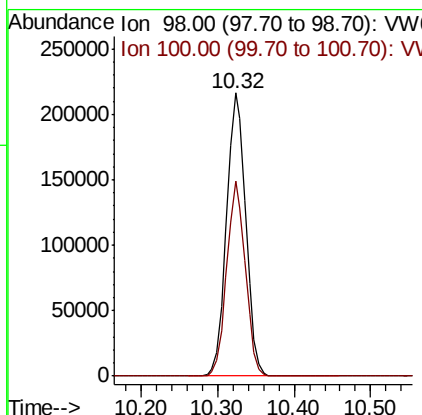
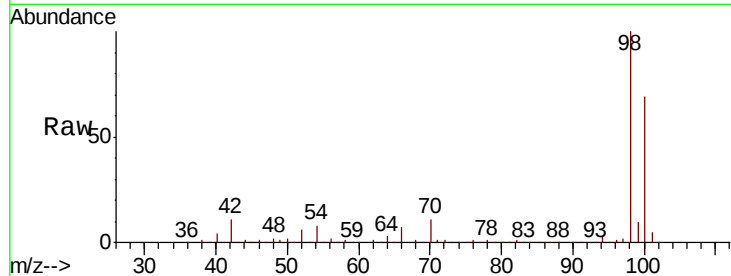




#50
Toluene-d8
Concen: 51.052 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015231.D
Acq: 20 Apr 2020 18:51

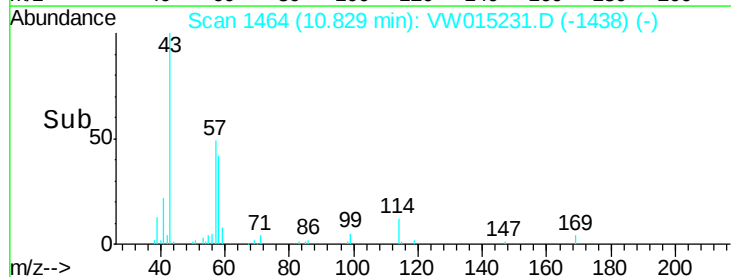
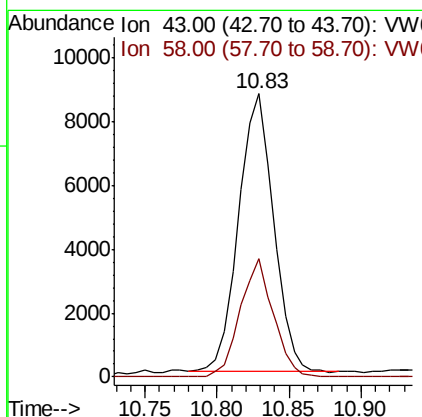
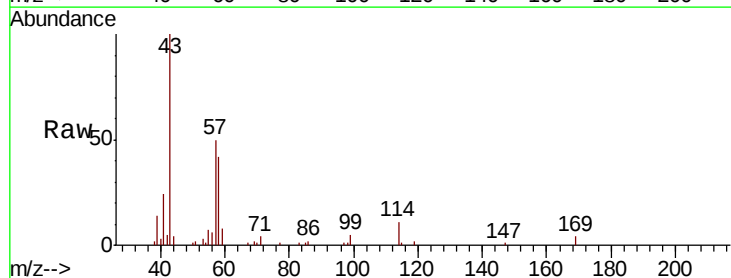
Instrument :
MSVOA_W
ClientSampleId :
WB-10-2

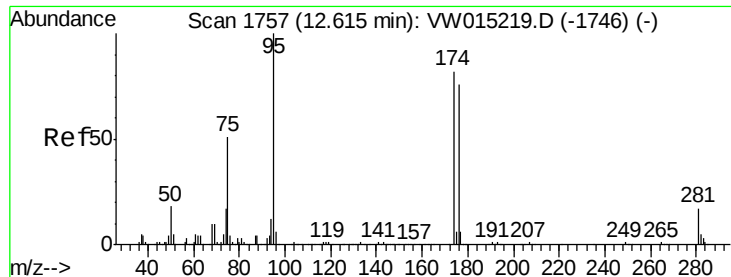
Tot Ion: 98 Resp: 375010
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3



#59
2-Hexanone
Concen: 22.566 ug/l
RT: 10.83 min Scan# 1464
Delta R.T. -0.14 min
Lab File: VW015231.D
Acq: 20 Apr 2020 18:51

Tgt Ion: 43 Resp: 14645
Ion Ratio Lower Upper
43 100
58 40.4 28.1 84.3





#62

4-Bromofluorobenzene

Concen: 43.274 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

WB-10-2

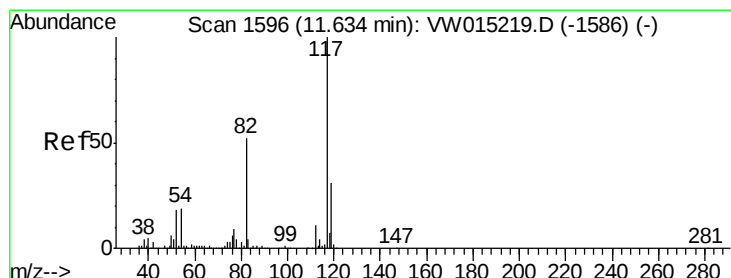
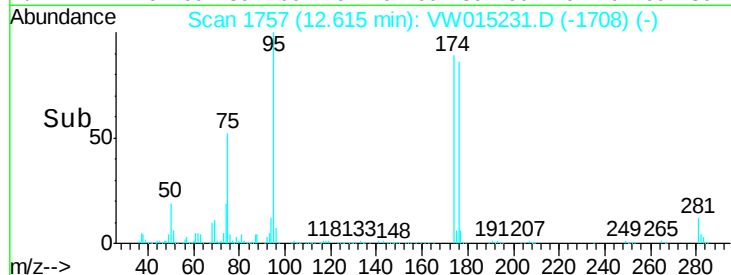
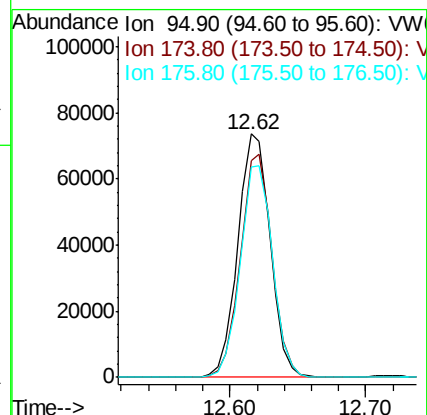
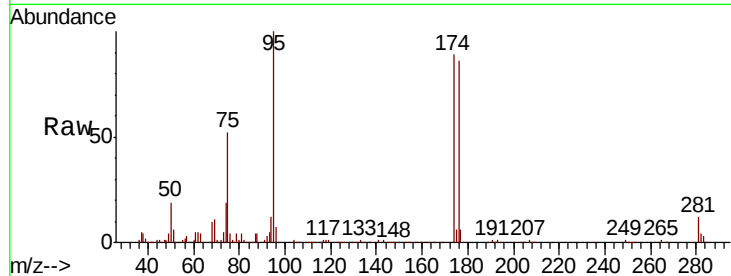
Tot Ion: 95 Resp: 121285

Ion Ratio Lower Upper

95 100

174 90.1 0.0 144.4

176 87.2 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

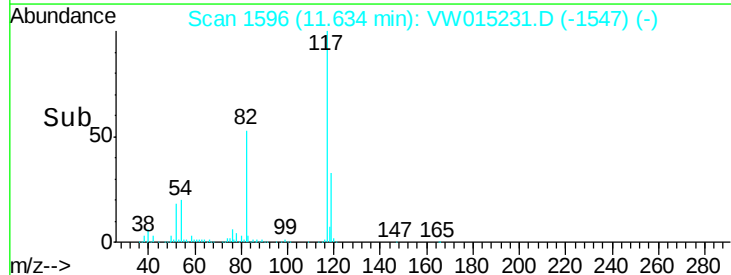
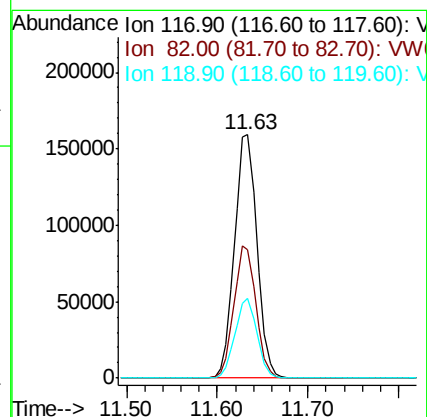
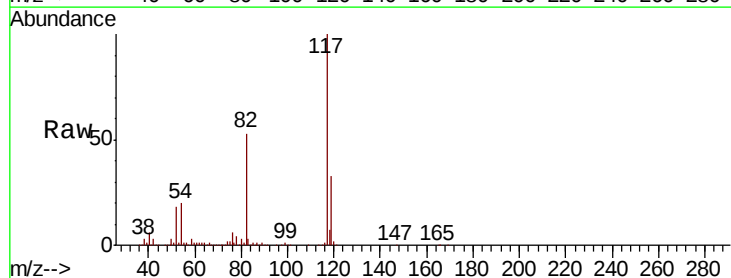
Tgt Ion: 117 Resp: 274453

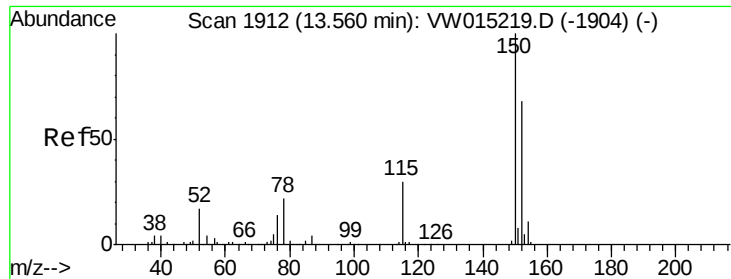
Ion Ratio Lower Upper

117 100

82 52.8 44.1 66.1

119 32.9 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

WB-10-2

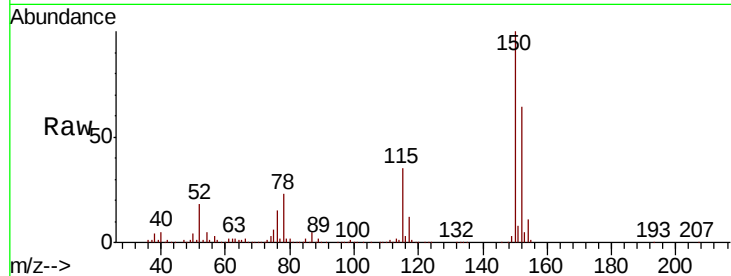
Tot Ion:152 Resp: 118415

Ion Ratio Lower Upper

152 100

115 56.7 31.3 93.9

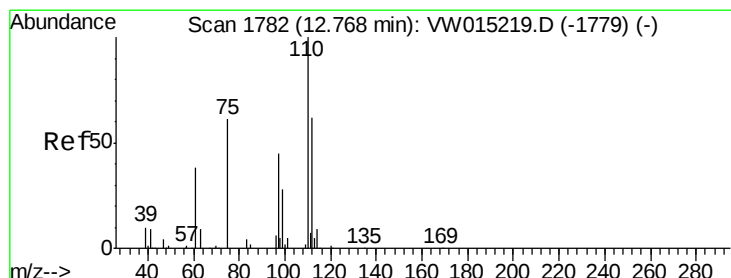
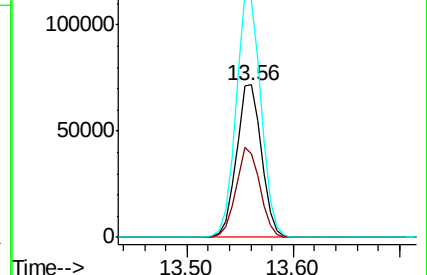
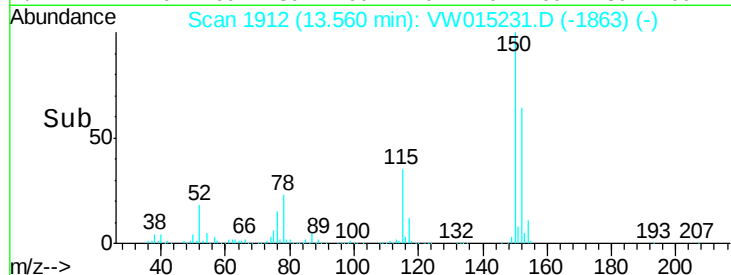
150 158.1 0.0 343.4



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: 67.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015231.D

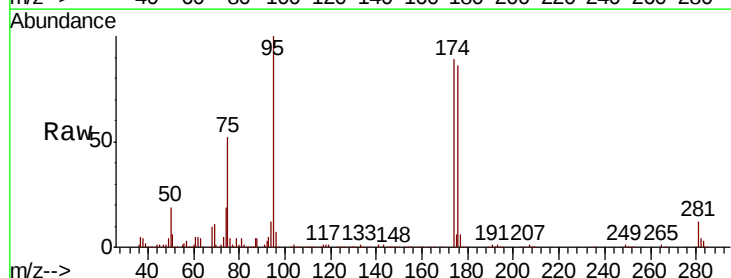
Acq: 20 Apr 2020 18:51

Tgt Ion: 75 Resp: 62033

Ion Ratio Lower Upper

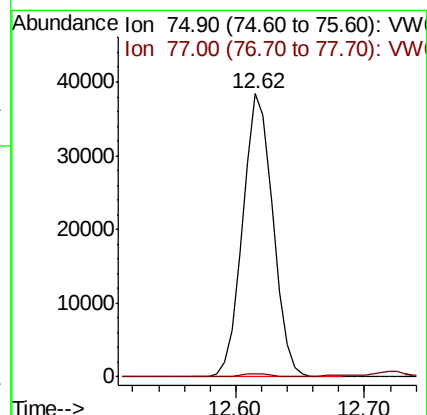
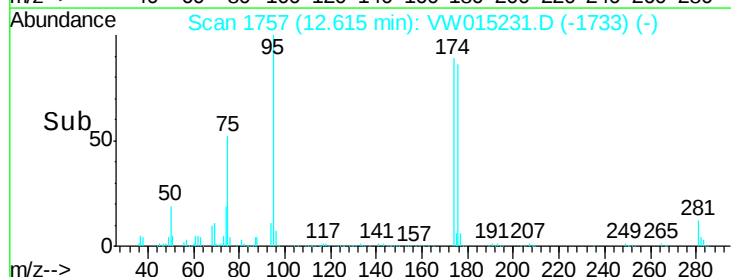
75 100

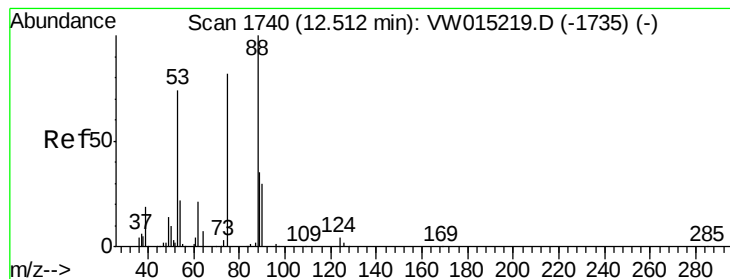
77 1.2 0.0 0.0#



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: 148.029 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015231.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

WB-10-2

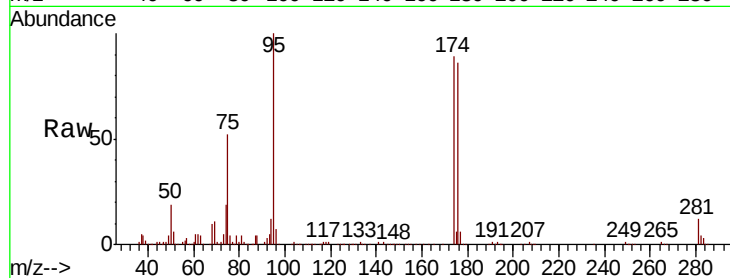
Tot Ion: 75 Resp: 62033

Ion Ratio Lower Upper

75 100

53 0.2 69.4 104.2#

89 0.0 34.8 52.2#



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

