

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015747.D
 Acq On : 26 Jun 2020 15:26
 Operator : SY/VA
 Sample : L3136-01RE
 Misc : 8.74G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 02:22:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	160766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	211397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49607	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	107576	60.14	ug/l	0.00
Spiked Amount			Recovery	=	120.28%	
35) Dibromofluoromethane	7.88	113	86532	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	10.33	98	317763	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.62	95	74800	30.75	ug/l	0.00
Spiked Amount			Recovery	=	61.50%	

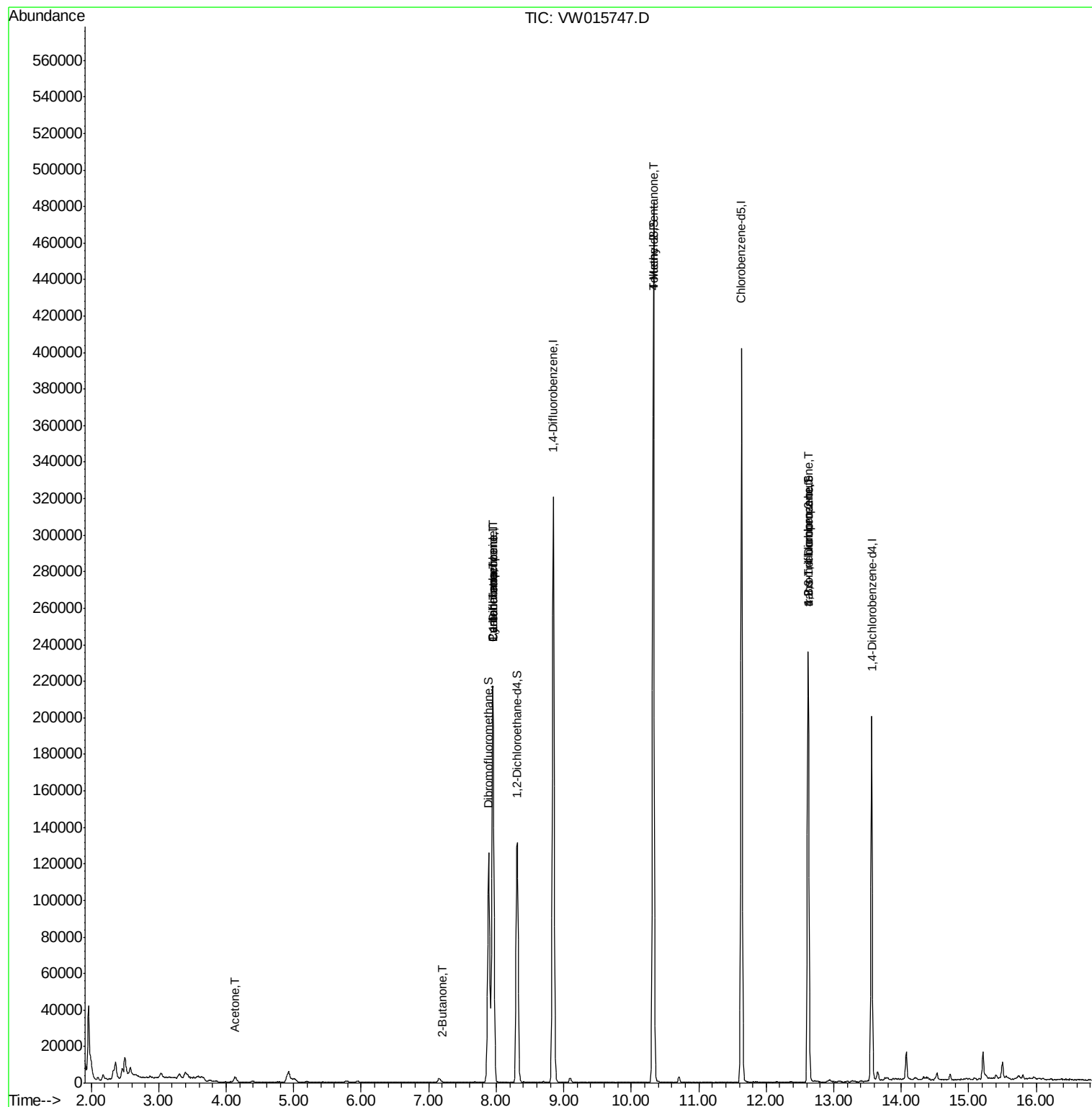
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	988	Below Cal	#	80
16) Acetone	4.14	43	5582	16.415	ug/l	96
18) Methyl Acetate	4.68	43	646	Below Cal	#	59
20) Methylene Chloride	4.92	84	4893	Below Cal		94
25) 2-Butanone	7.20	43	624	1.358	ug/l #	49
31) Cyclohexane	7.95	56	3997	1.297	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	13598	4.900	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16015	5.953	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1677	1.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	40578	89.677	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	40578	225.989	ug/l #	8

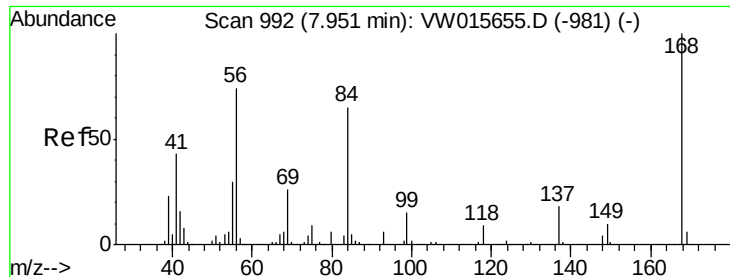
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
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: VW015747.D

Acq: 26 Jun 2020 15:26

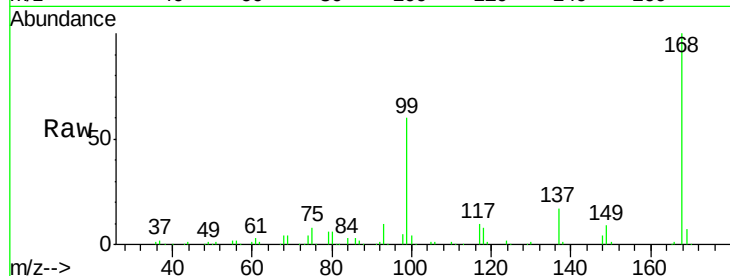
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 160766

Ion Ratio Lower Upper

168 100

99 59.6 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

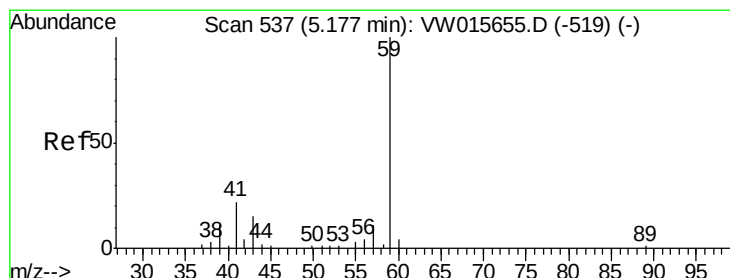
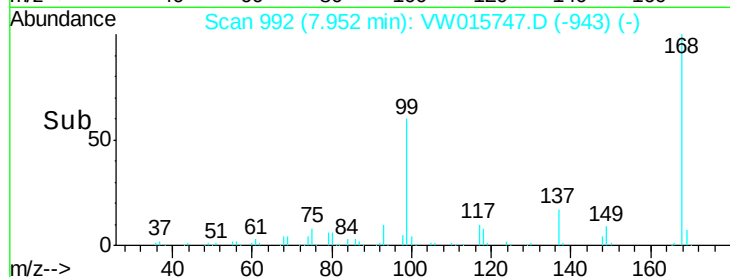
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW015747.D

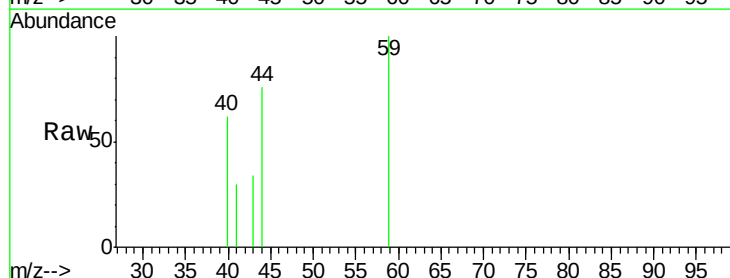
Acq: 26 Jun 2020 15:26

Tgt Ion: 59 Resp: 988

Ion Ratio Lower Upper

59 100

57 2.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

150

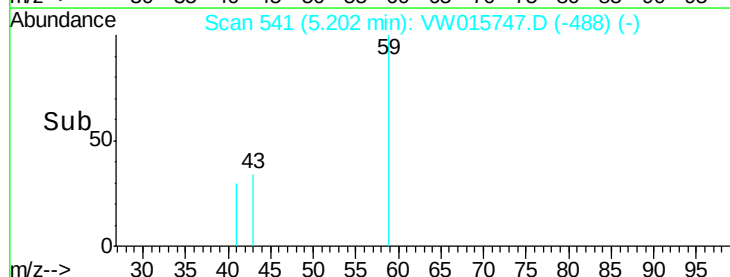
100

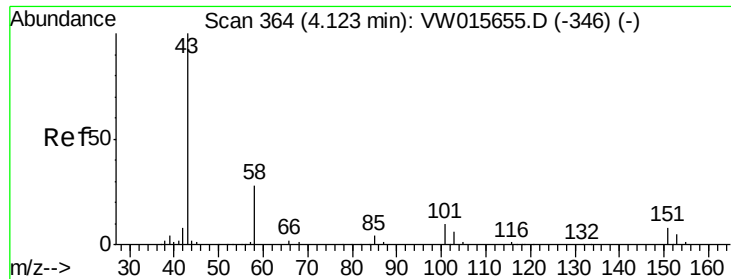
50

0

Time-->

5.10 5.15 5.20 5.25





#16

Acetone

Concen: 16.415 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

Instrument :

MSVOA_W

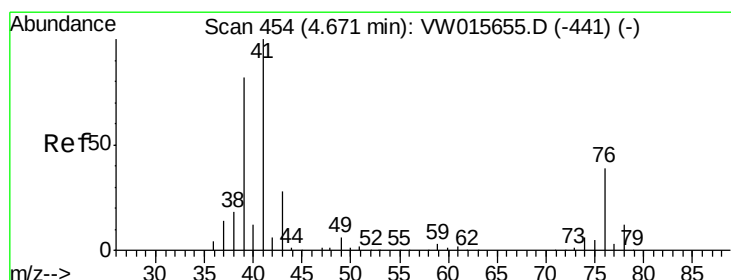
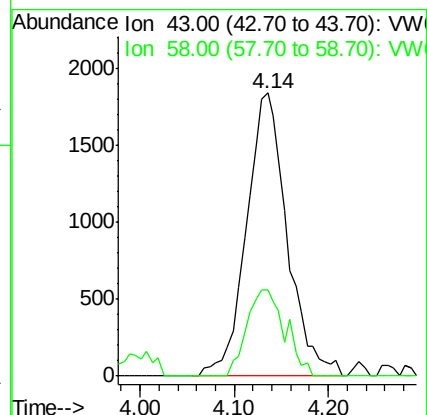
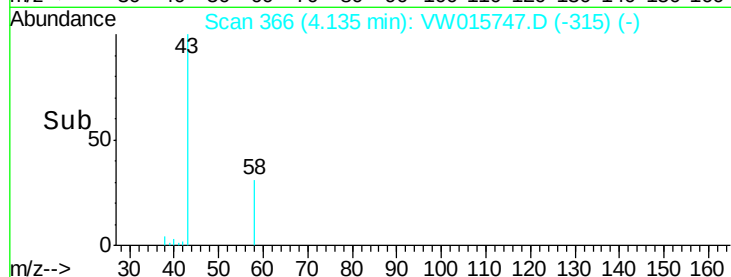
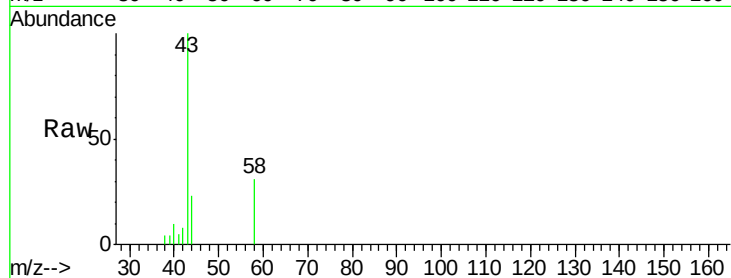
ClientSampleId :

Tot Ion: 43 Resp: 5582

Ion Ratio Lower Upper

43 100

58 30.6 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015747.D

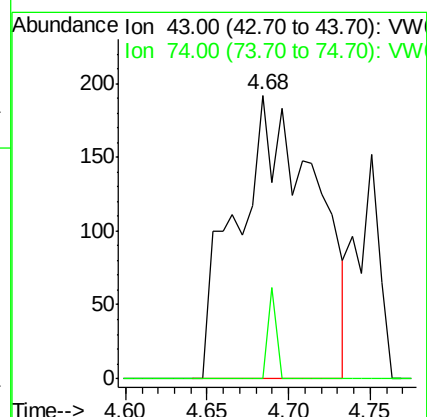
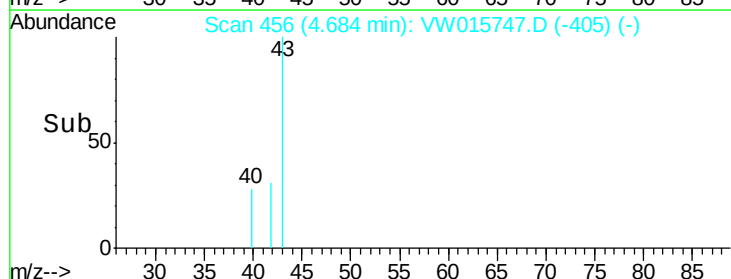
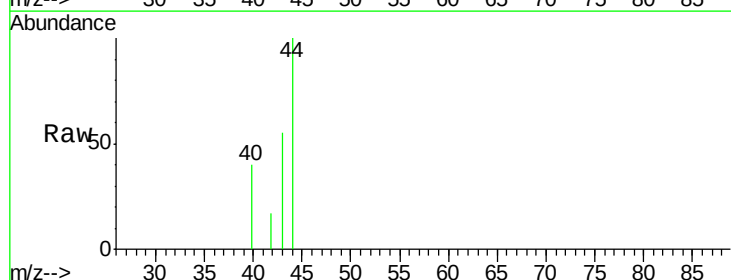
Acq: 26 Jun 2020 15:26

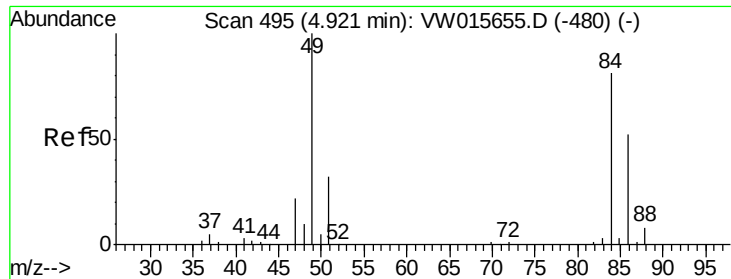
Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

74 3.6 19.0 28.6#

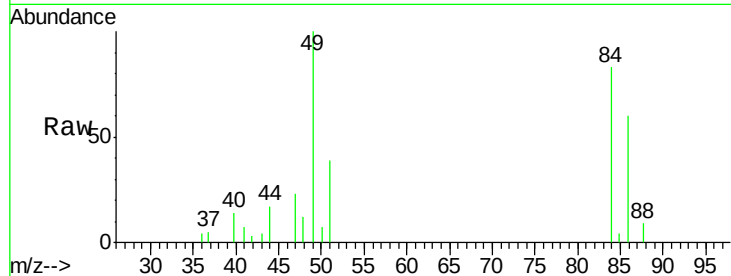




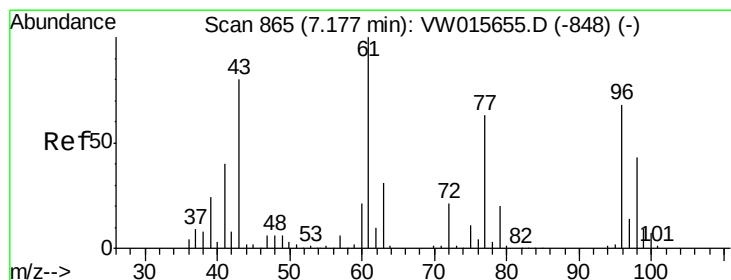
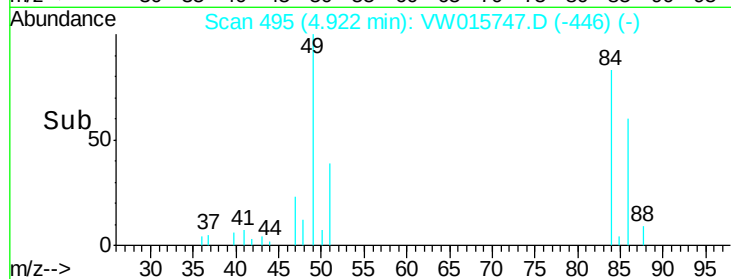
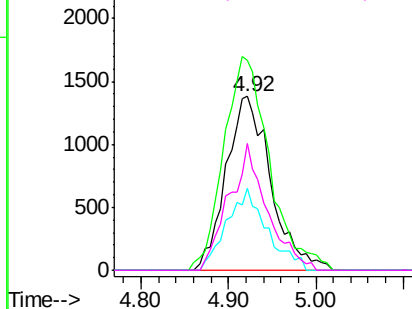
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015747.D
Acq: 26 Jun 2020 15:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 4893
Ion Ratio Lower Upper
84 100
49 121.2 99.3 148.9
51 46.8 31.8 47.6
86 72.9 51.7 77.5

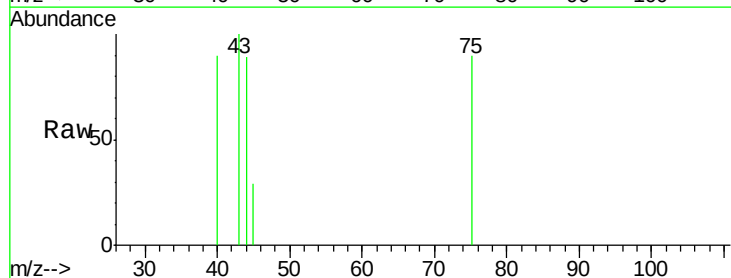


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

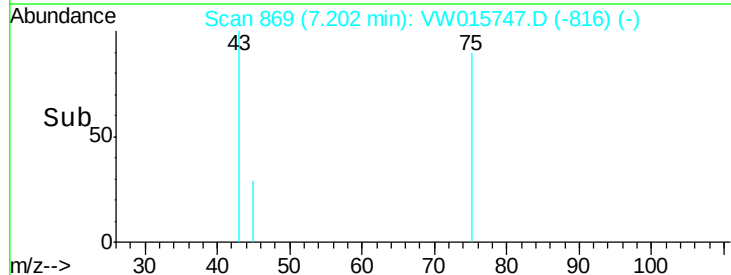
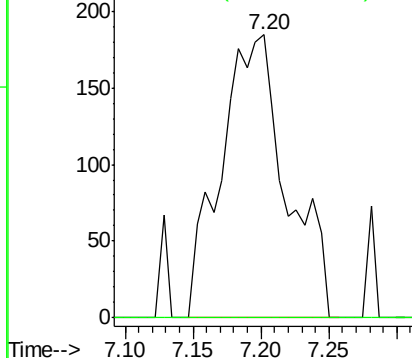


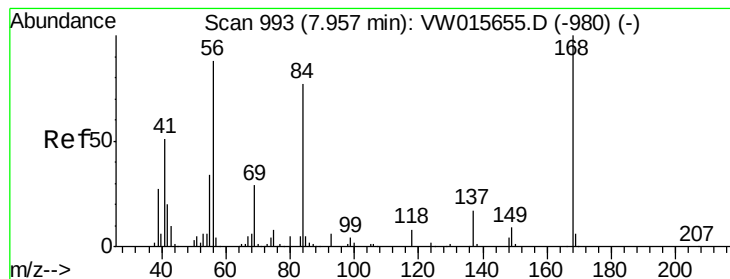
#25
2-Butanone
Concen: 1.358 ug/l
RT: 7.20 min Scan# 869
Delta R.T. 0.02 min
Lab File: VW015747.D
Acq: 26 Jun 2020 15:26

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

Instrument :
MSVOA_W
ClientSampled :

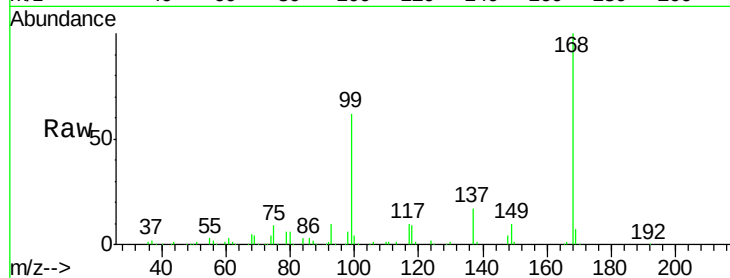
Tot Ion: 56 Resp: 3997

Ion Ratio Lower Upper

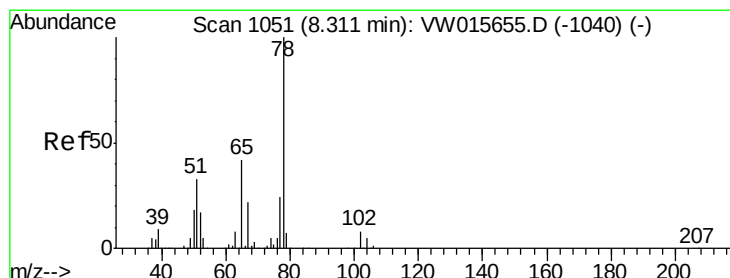
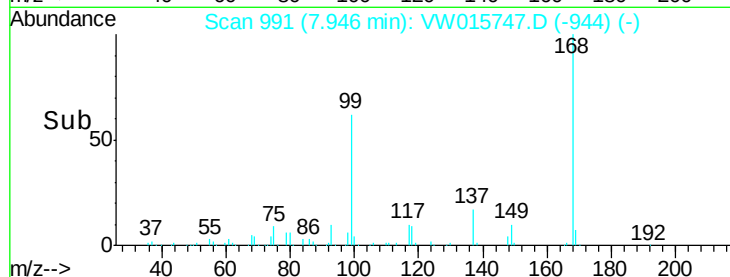
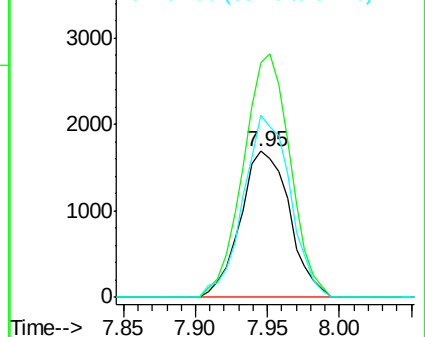
56 100

69 160.6 26.2 39.4#

84 124.8 70.4 105.6#



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: 60.141 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015747.D

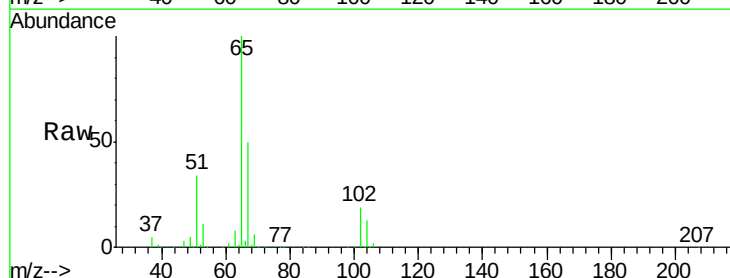
Acq: 26 Jun 2020 15:26

Tgt Ion: 65 Resp: 107576

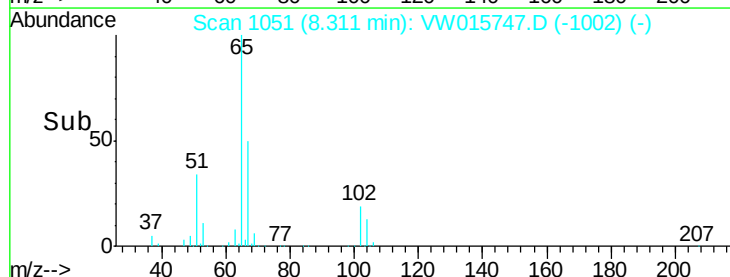
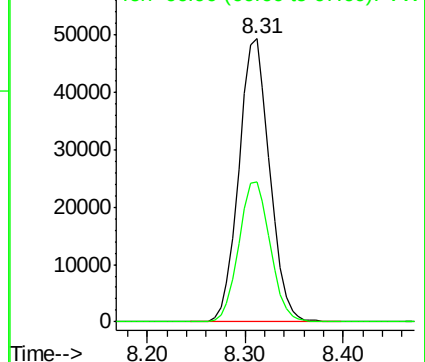
Ion Ratio Lower Upper

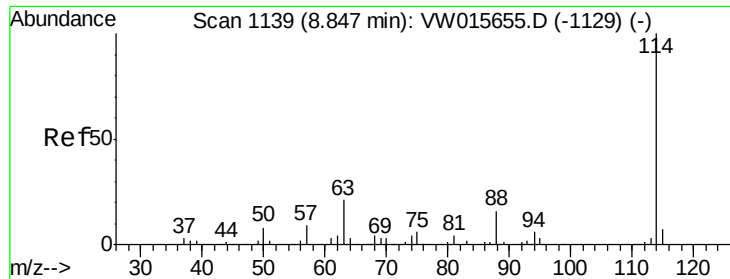
65 100

67 50.6 0.0 102.2



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

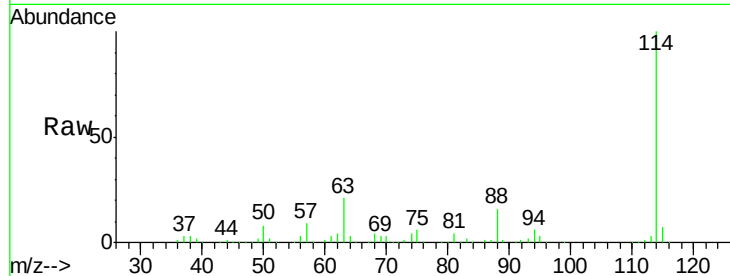




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW015747.D
Acq: 26 Jun 2020 15:26

Instrument :
MSVOA_W
ClientSampleId :

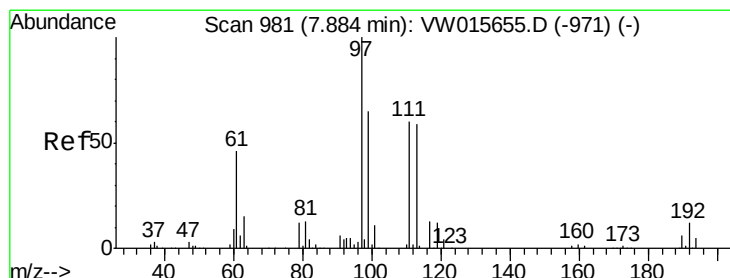
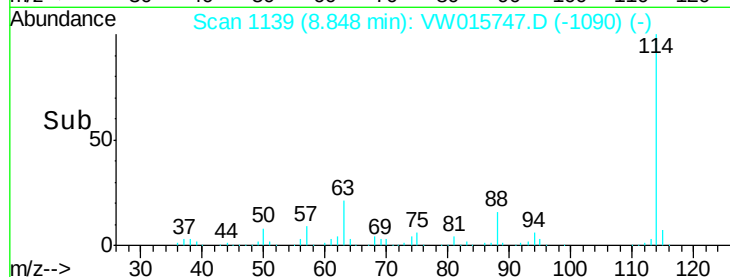
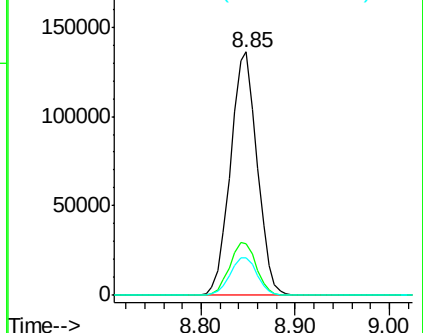
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.4
88	15.5	0.0	32.6



Abundance Ion 113.90 (113.60 to 114.60): V

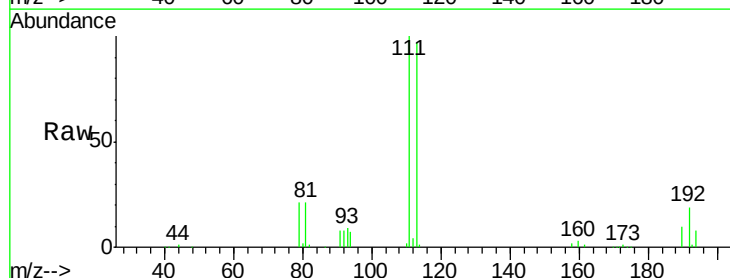
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
Dibromofluoromethane
Concen: 51.556 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015747.D
Acq: 26 Jun 2020 15:26

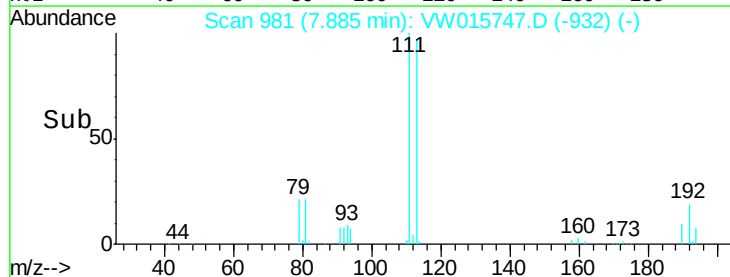
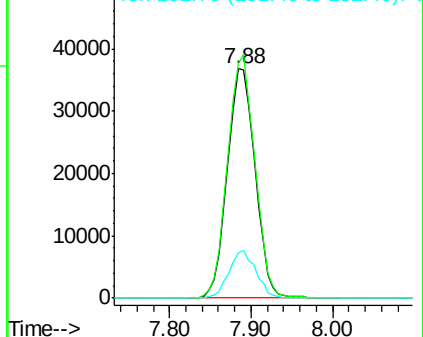
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.3	123.5
192	20.1	16.4	24.6

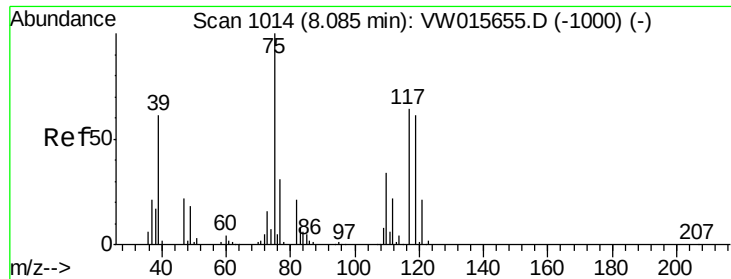


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.900 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

Instrument :

MSVOA_W

ClientSampled :

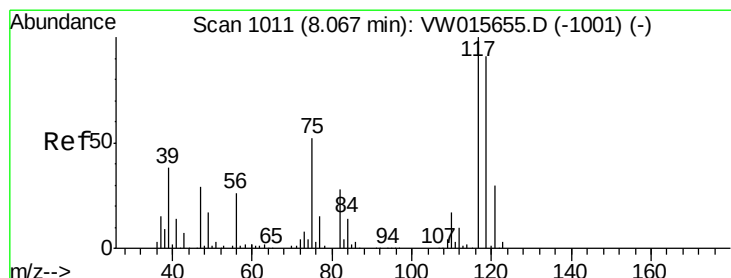
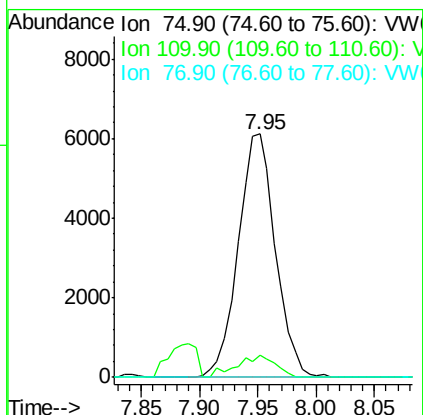
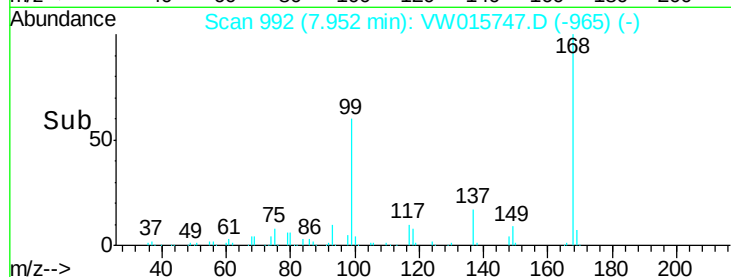
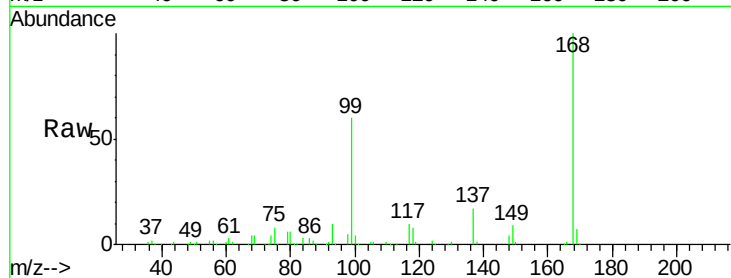
Tot Ion: 75 Resp: 13598

Ion Ratio Lower Upper

75 100

110 9.4 17.0 51.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

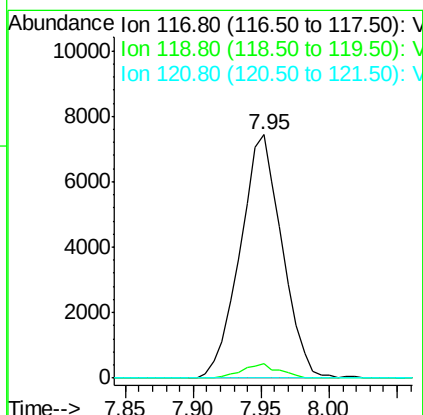
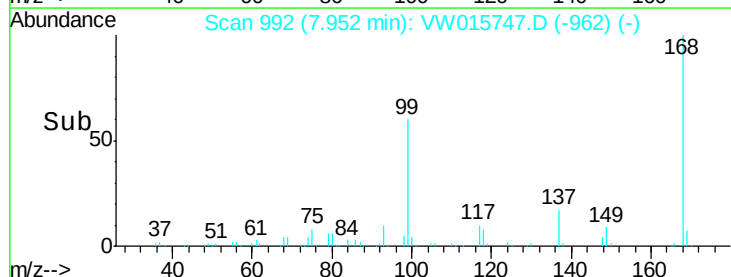
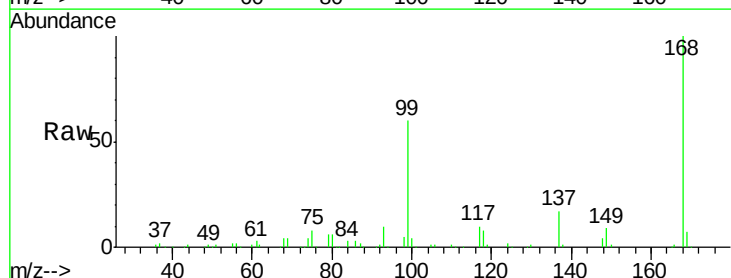
Tgt Ion: 117 Resp: 16015

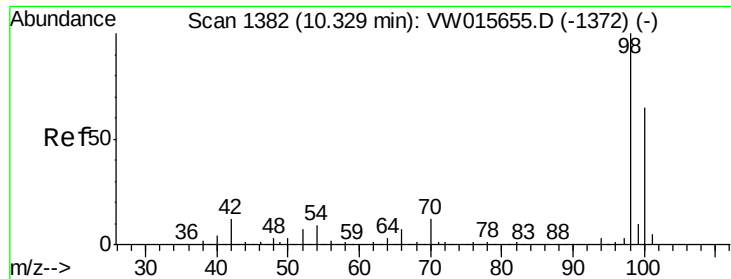
Ion Ratio Lower Upper

117 100

119 5.8 73.2 109.8#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.108 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

Instrument :

MSVOA_W

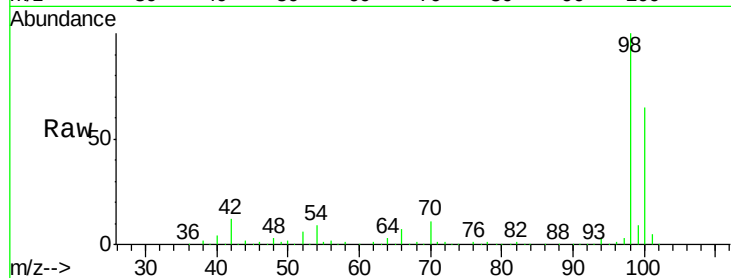
ClientSampled :

Tot Ion: 98 Resp: 317763

Ion Ratio Lower Upper

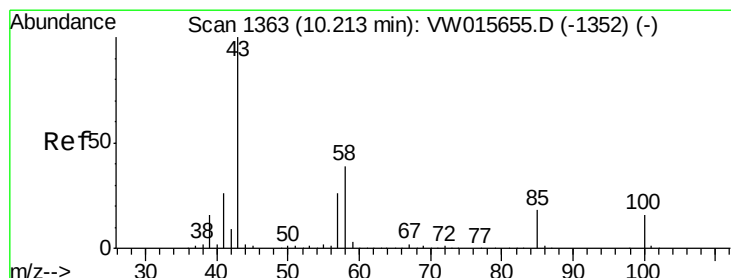
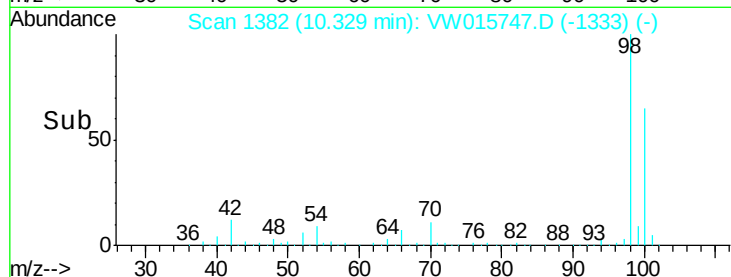
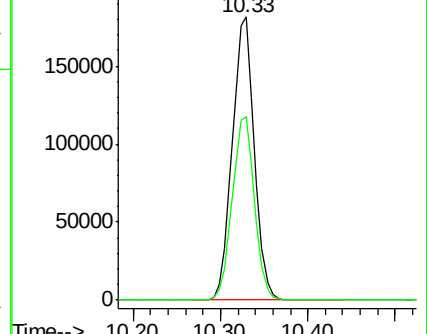
98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.644 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015747.D

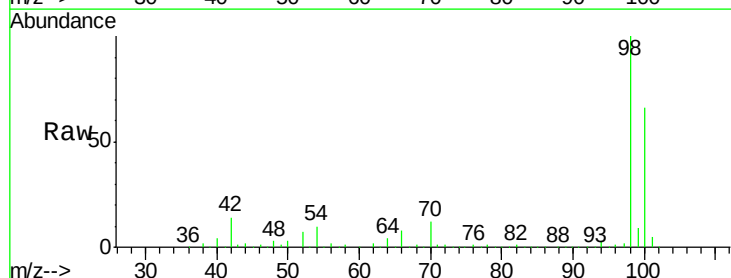
Acq: 26 Jun 2020 15:26

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

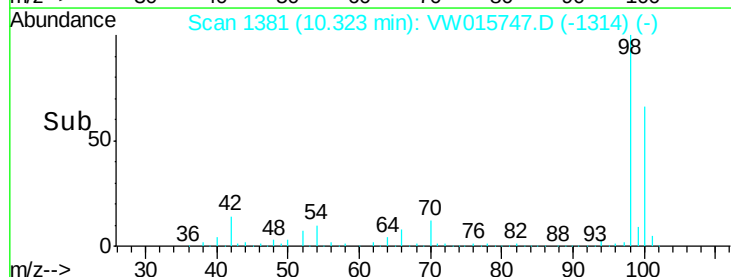
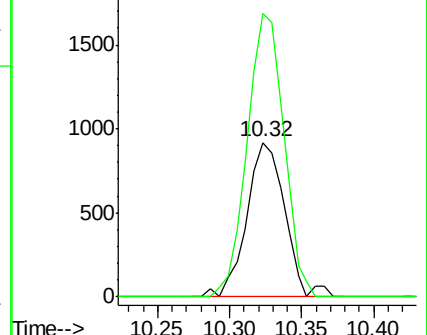
43 100

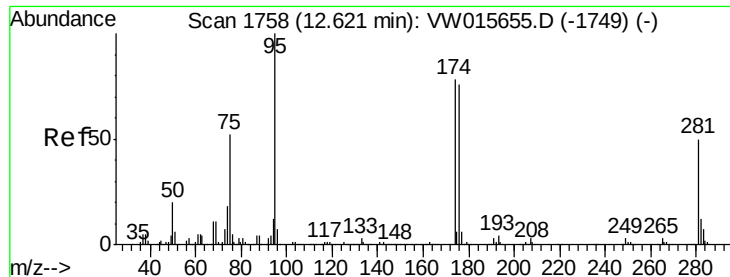
58 177.2 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 30.750 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

Instrument :

MSVOA_W

ClientSampleId :

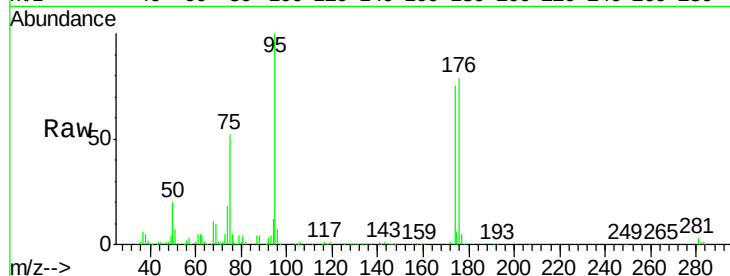
Tot Ion: 95 Resp: 74800

Ion Ratio Lower Upper

95 100

174 77.7 0.0 157.0

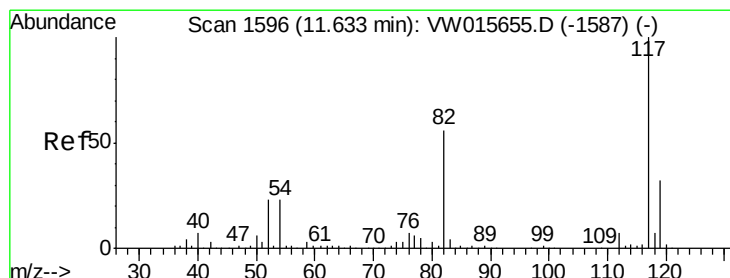
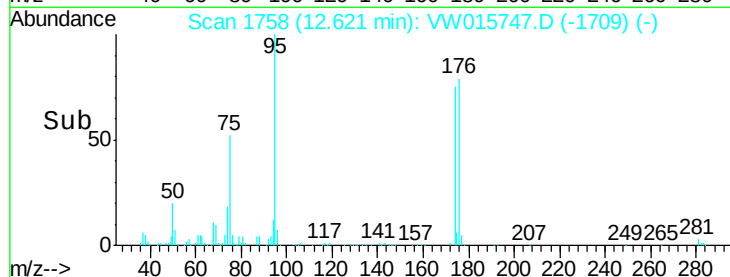
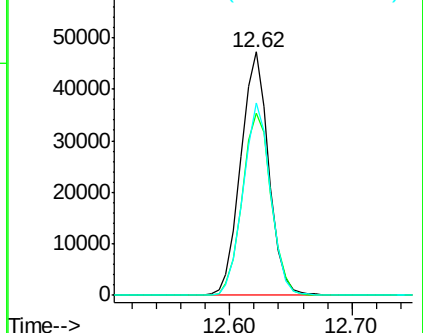
176 77.9 0.0 151.4



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: VW015747.D

Acq: 26 Jun 2020 15:26

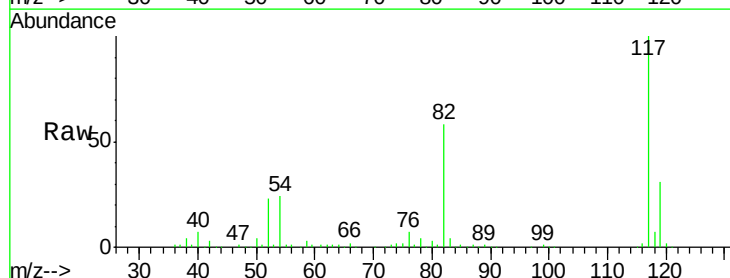
Tgt Ion: 117 Resp: 211397

Ion Ratio Lower Upper

117 100

82 57.8 45.1 67.7

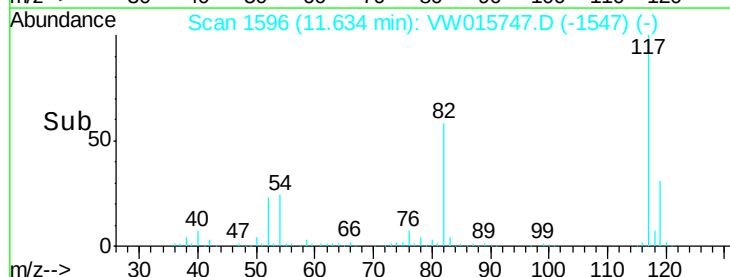
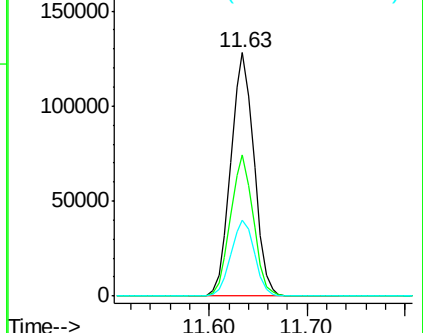
119 31.2 25.8 38.8

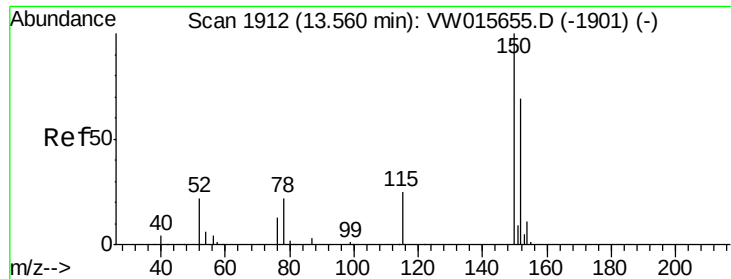


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



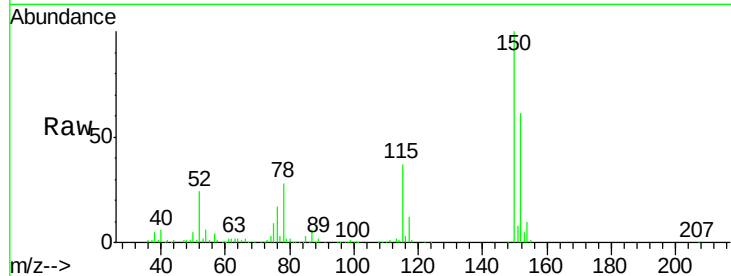


#72

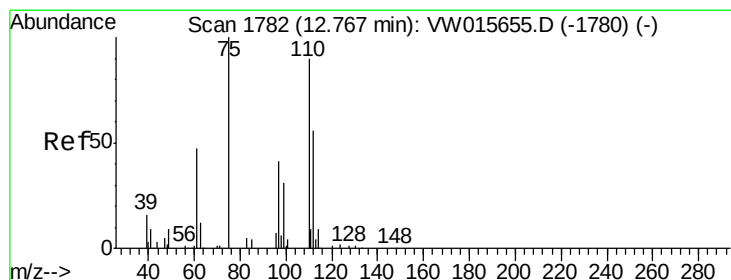
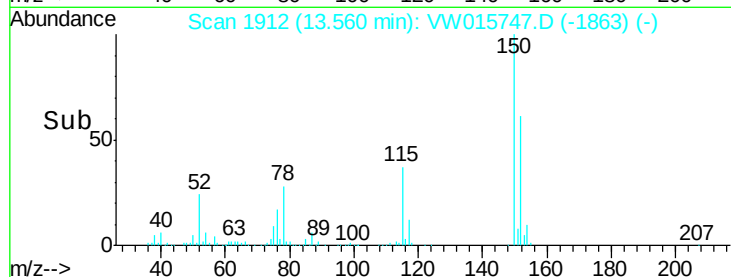
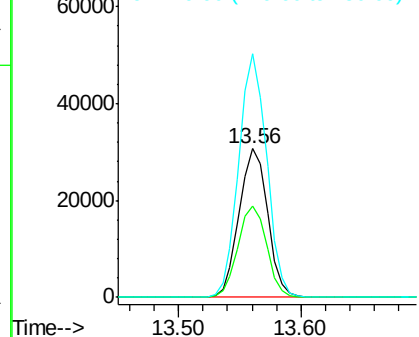
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015747.D
Acq: 26 Jun 2020 15:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 49607
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.5
150 160.2 0.0 345.6



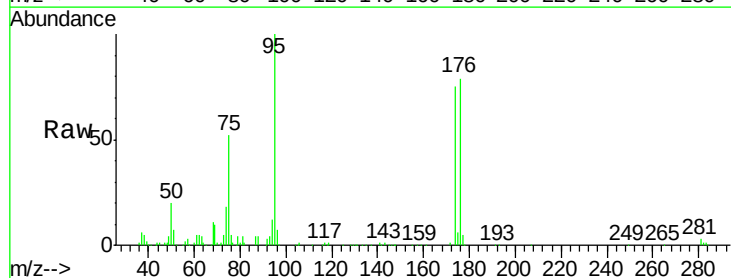
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



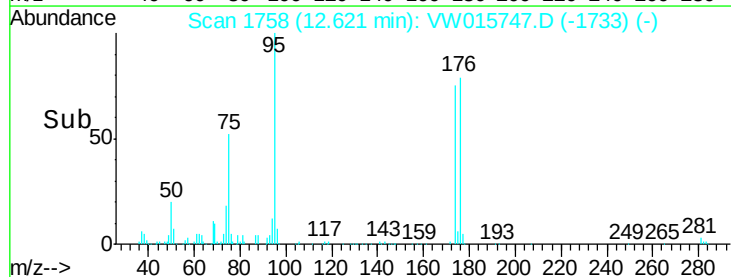
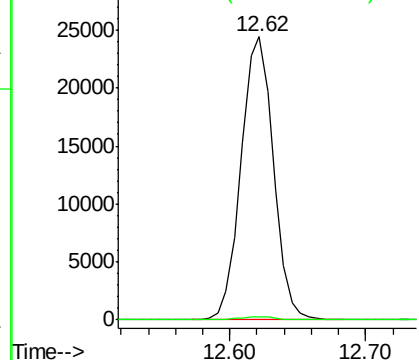
#76

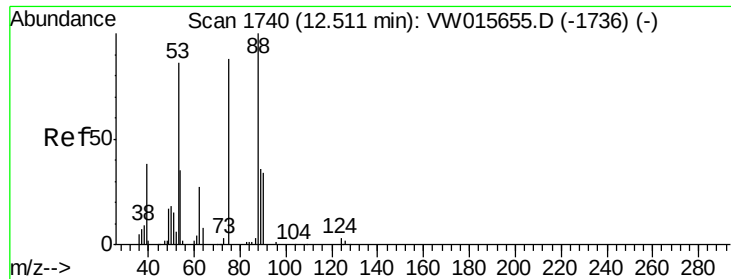
1,2,3-Trichloropropane
Concen: 89.677 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW015747.D
Acq: 26 Jun 2020 15:26

Tgt Ion: 75 Resp: 40578
Ion Ratio Lower Upper
75 100
77 1.4 179.1 537.1#



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: 225.989 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

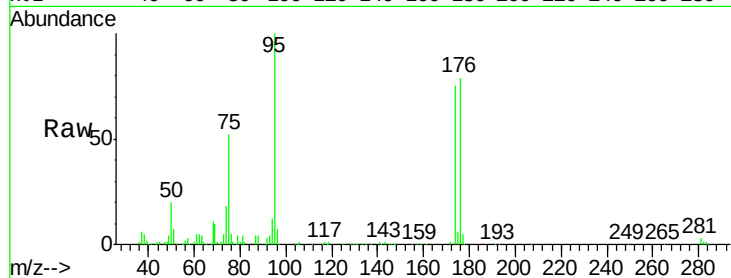
Lab File: VW015747.D

Acq: 26 Jun 2020 15:26

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion: 75 Resp: 40578

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

