

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015678.D
 Acq On : 24 Jun 2020 13:09
 Operator : SY/VA
 Sample : L3082-01
 Misc : 4.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

Quant Time: Jun 25 02:03:14 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	164996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	294879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125779	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	109537	59.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.34%	
35) Dibromofluoromethane	7.88	113	94375	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.32	98	370365	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.62	95	126333	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	

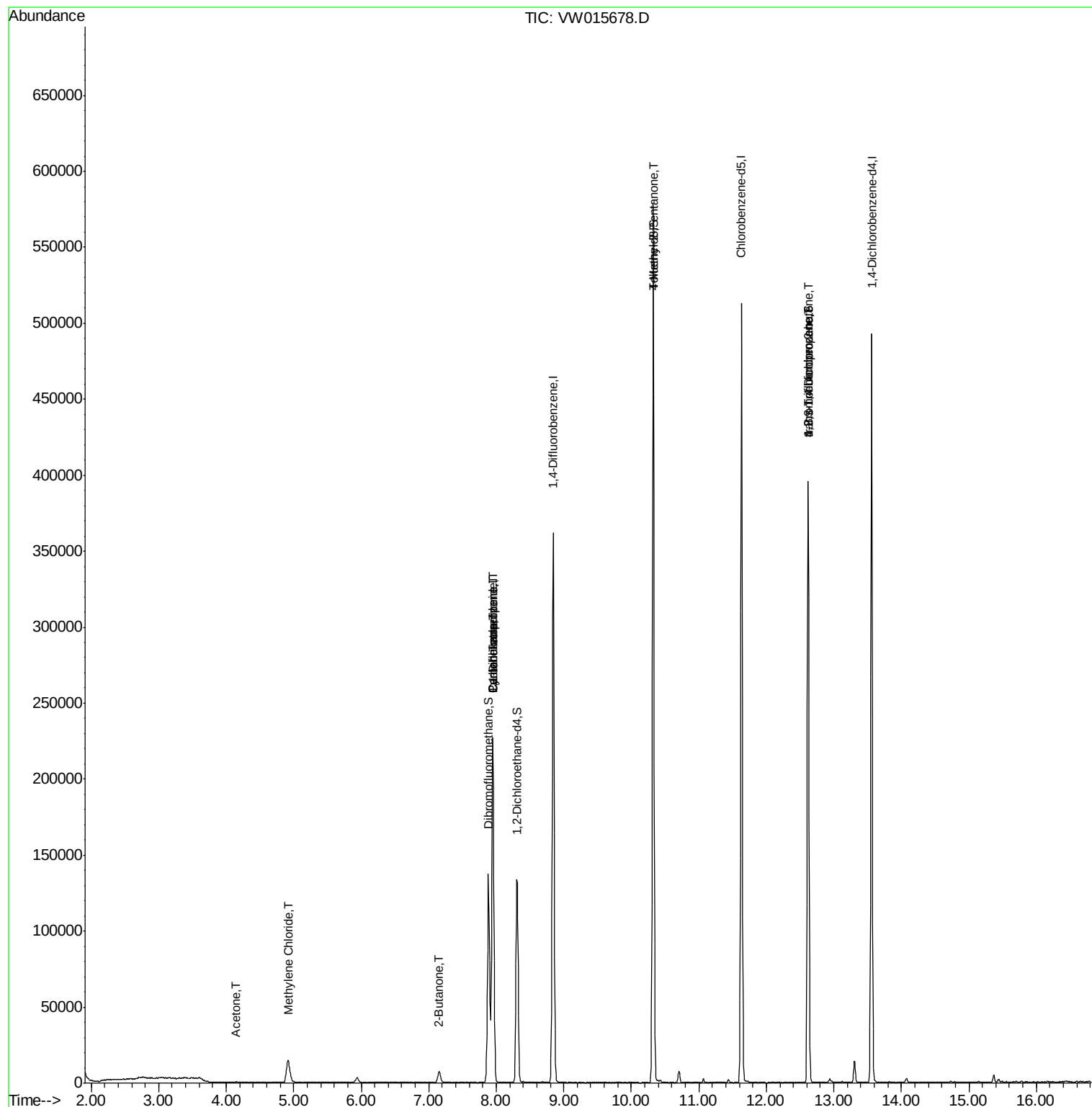
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	57	Below Cal	#	72
16) Acetone	4.14	43	1118	3.204	ug/l #	47
18) Methyl Acetate	4.81	43	23	Below Cal	#	52
20) Methylene Chloride	4.92	84	12753	3.240	ug/l	98
25) 2-Butanone	7.15	43	510	1.081	ug/l #	49
31) Cyclohexane	7.95	56	4166	1.317	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	13681	4.461	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17132	5.762	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1947	1.728	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67182	58.557	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67182	147.565	ug/l #	8

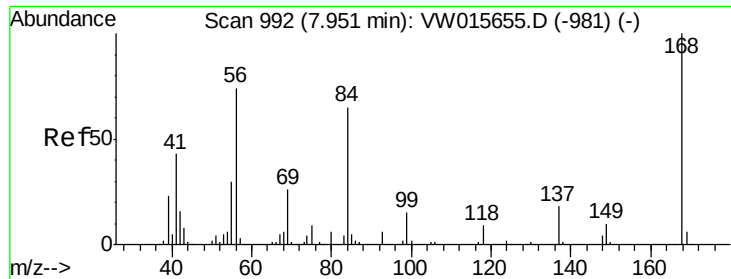
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
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SB-1

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

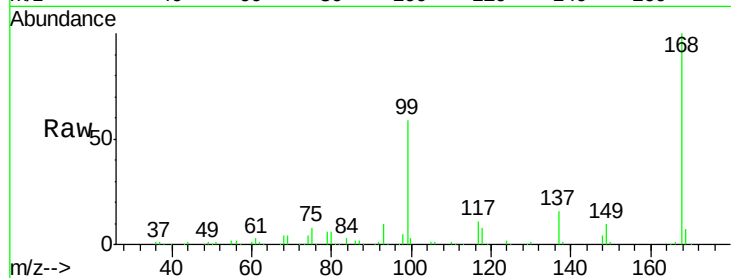
SB-1

Tgt Ion:168 Resp: 164996

Ion Ratio Lower Upper

168 100

99 59.3 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

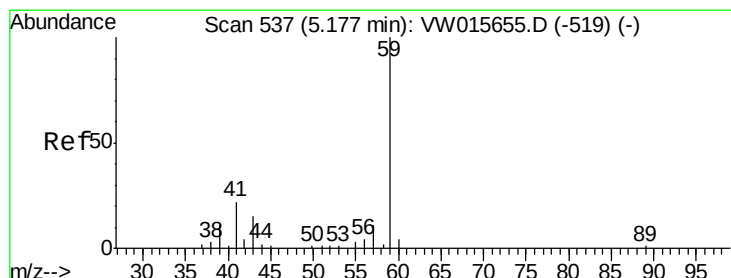
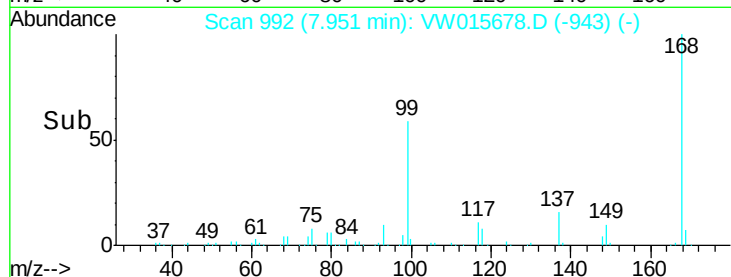
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW015678.D

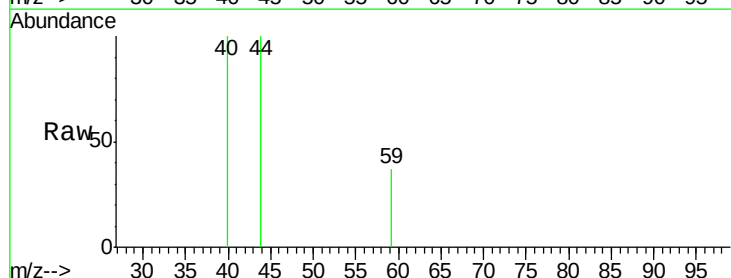
Acq: 24 Jun 2020 13:09

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 0.0 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

100

80

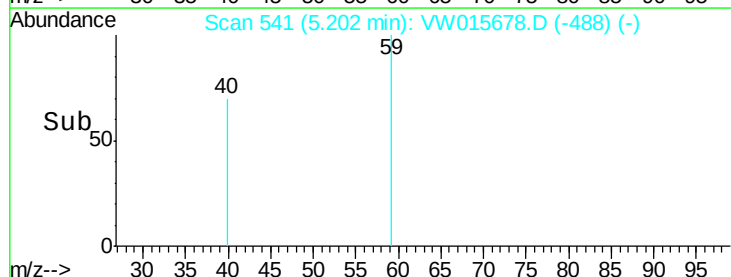
60

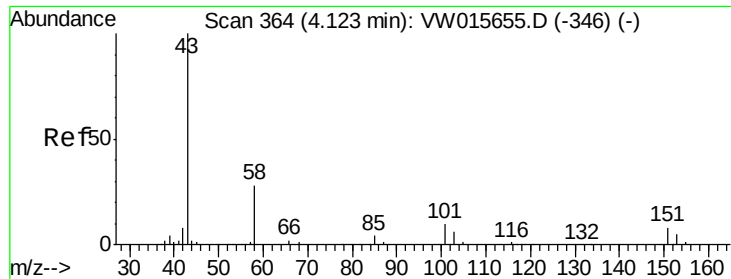
40

20

0

Time--> 5.18 5.20 5.22





#16

Acetone

Concen: 3.204 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

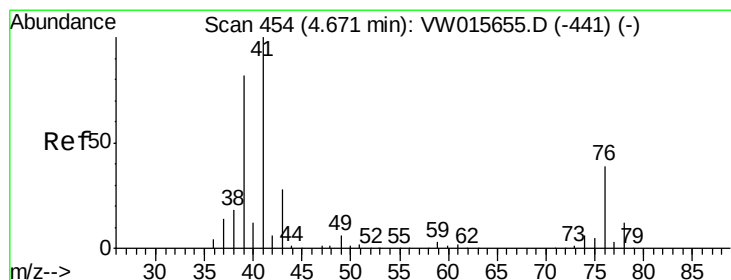
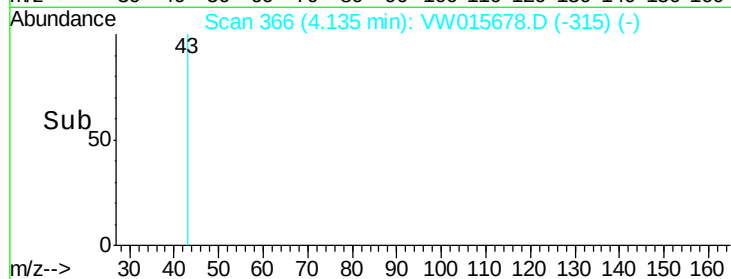
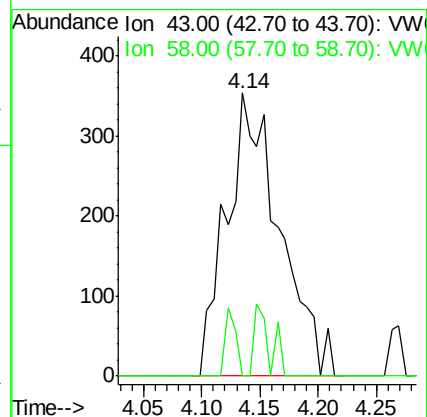
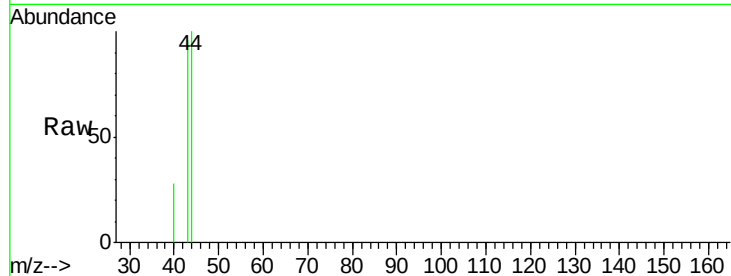
SB-1

Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.81 min Scan# 476

Delta R.T. 0.13 min

Lab File: VW015678.D

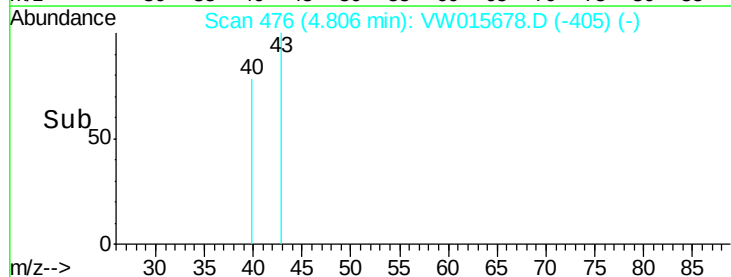
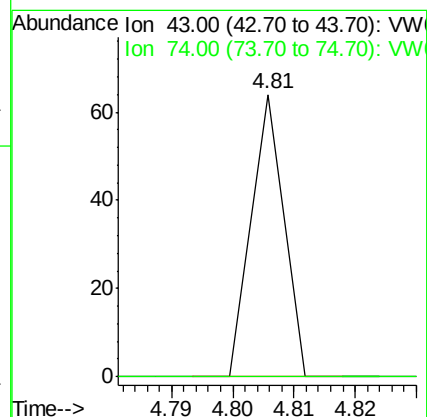
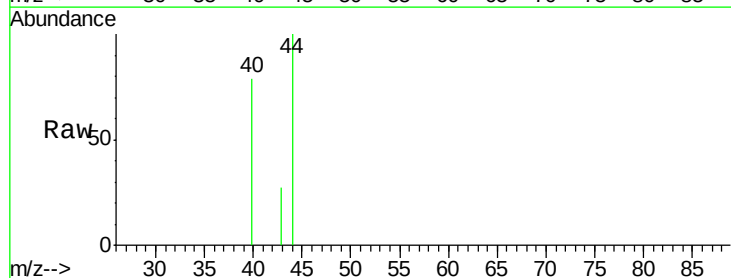
Acq: 24 Jun 2020 13:09

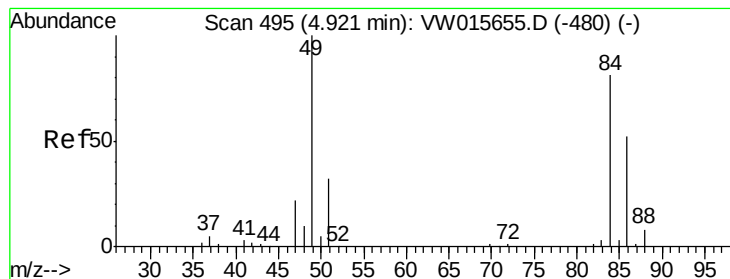
Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#20

Methylene Chloride

Concen: 3.240 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

SB-1

Tgt Ion: 84 Resp: 12753

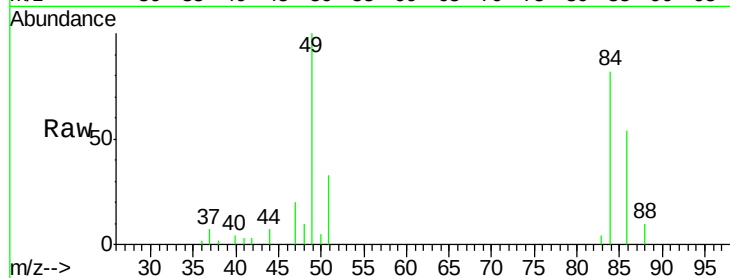
Ion Ratio Lower Upper

84 100

49 122.0 99.3 148.9

51 40.5 31.8 47.6

86 65.4 51.7 77.5

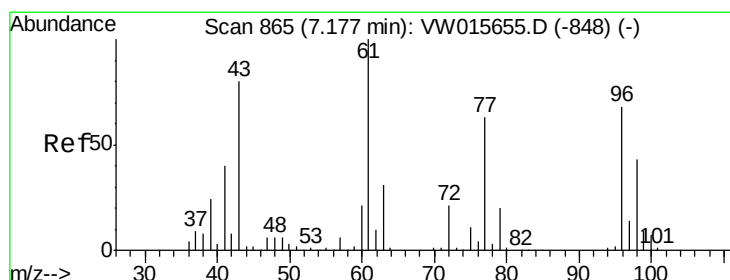
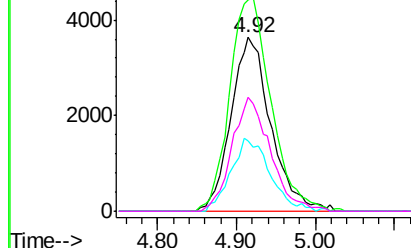
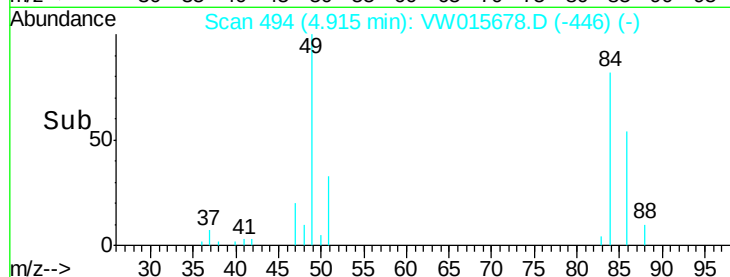


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.081 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW015678.D

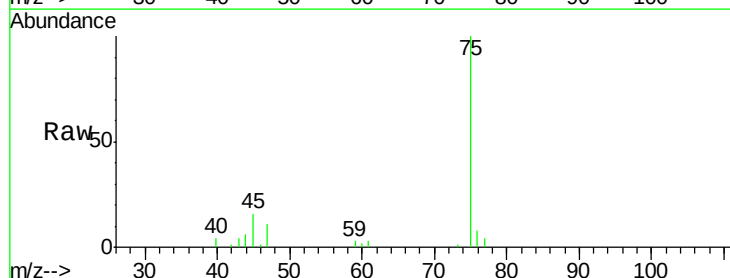
Acq: 24 Jun 2020 13:09

Tgt Ion: 43 Resp: 510

Ion Ratio Lower Upper

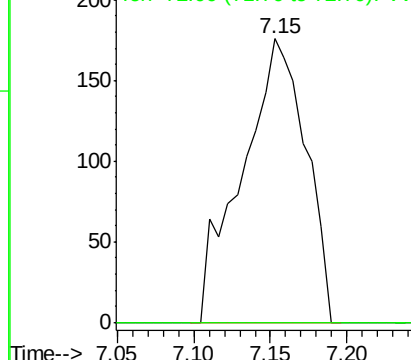
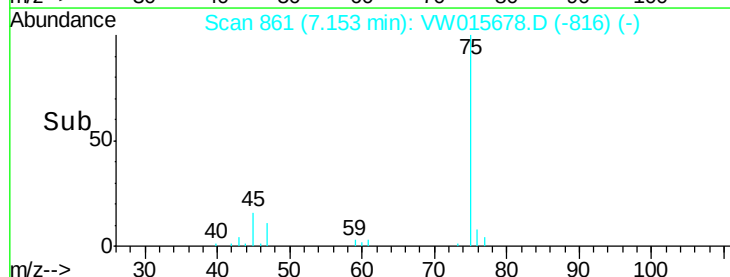
43 100

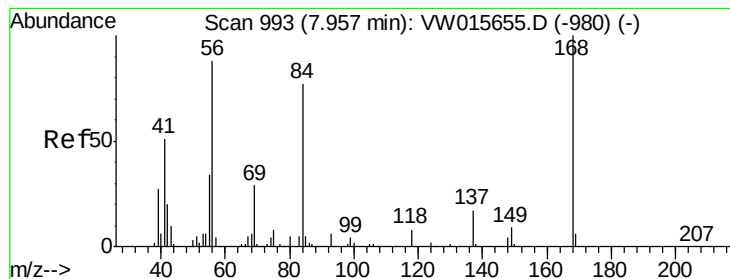
72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.317 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

SB-1

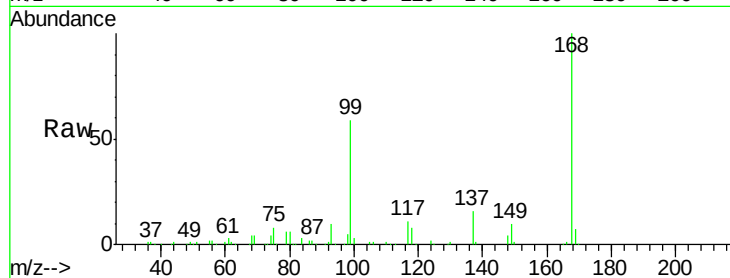
Tgt Ion: 56 Resp: 4166

Ion Ratio Lower Upper

56 100

69 150.8 26.2 39.4#

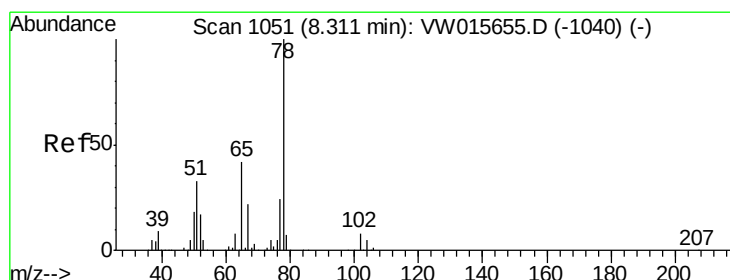
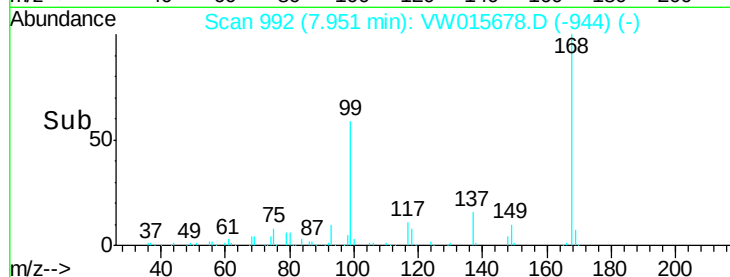
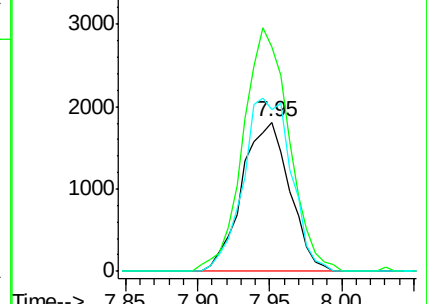
84 108.7 70.4 105.6#



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: 59.667 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015678.D

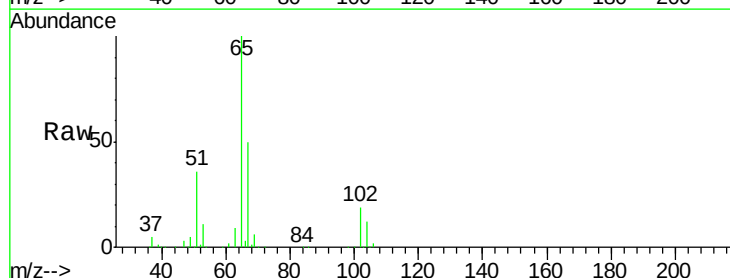
Acq: 24 Jun 2020 13:09

Tgt Ion: 65 Resp: 109537

Ion Ratio Lower Upper

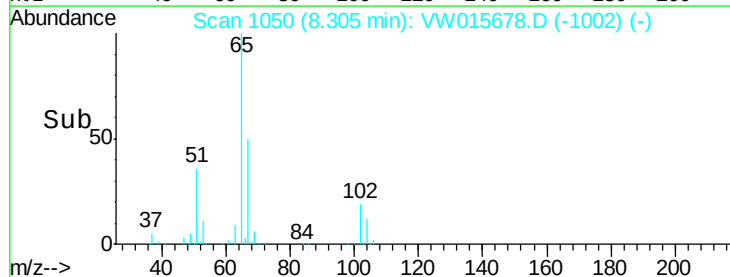
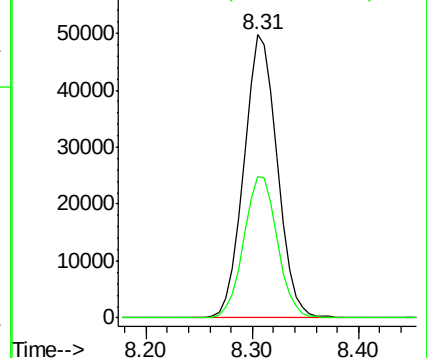
65 100

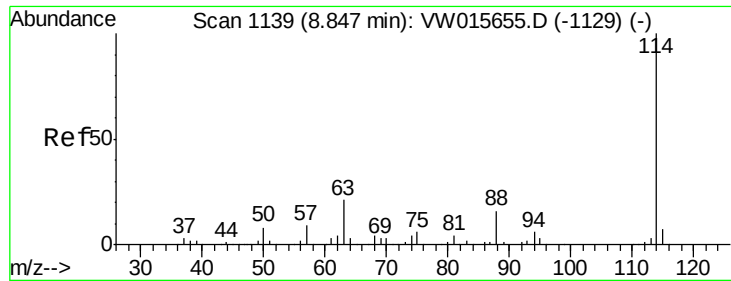
67 50.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

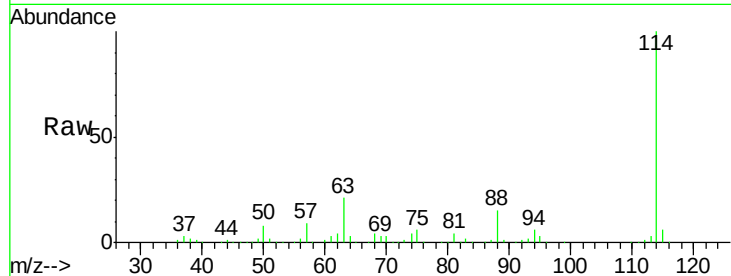




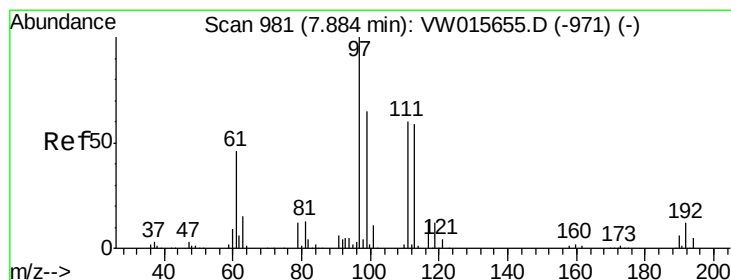
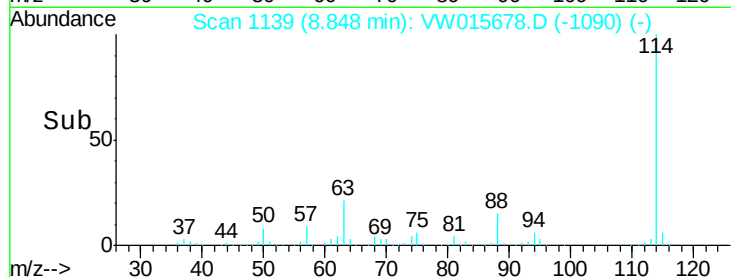
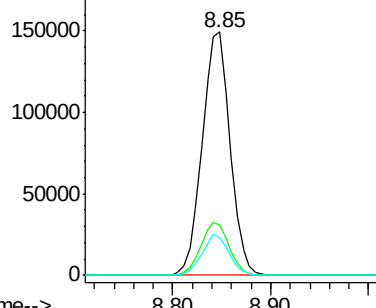
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW015678.D
Acq: 24 Jun 2020 13:09

Instrument :
MSVOA_W
ClientSampleId :
SB-1

Tgt Ion:114 Resp: 294879
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.4
88 15.4 0.0 32.6

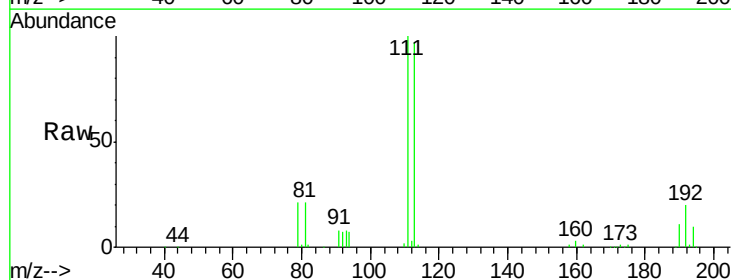


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VV
Ion 87.90 (87.60 to 88.60): VV

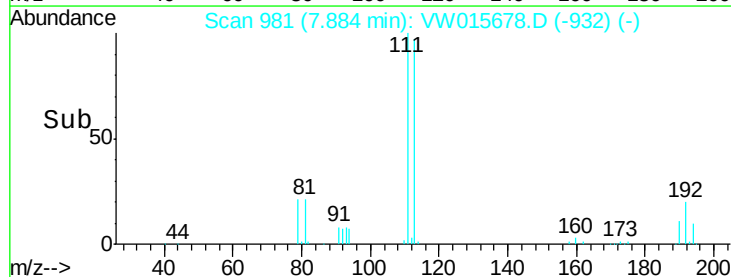
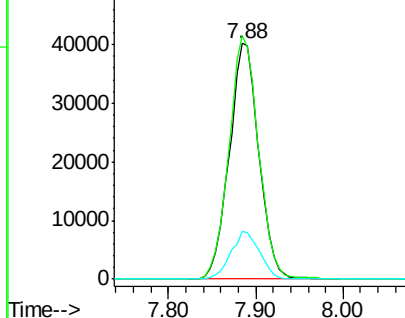


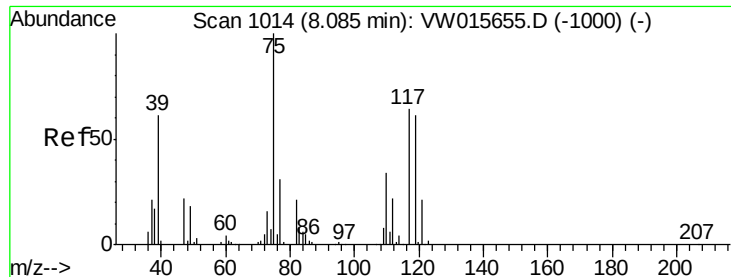
#35
Dibromofluoromethane
Concen: 50.879 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015678.D
Acq: 24 Jun 2020 13:09

Tgt Ion:113 Resp: 94375
Ion Ratio Lower Upper
113 100
111 103.3 82.3 123.5
192 19.8 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: 4.461 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

SB-1

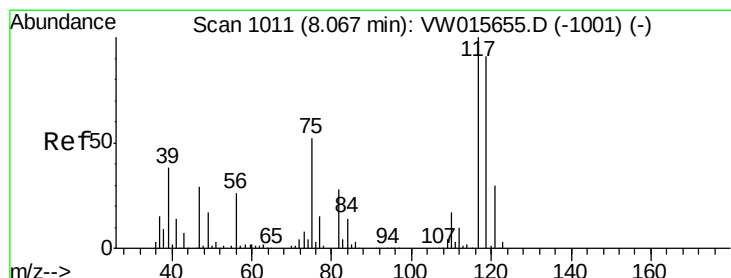
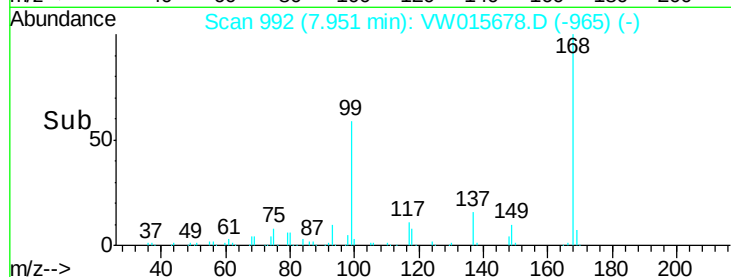
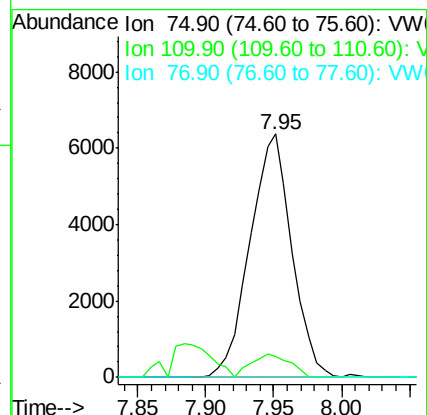
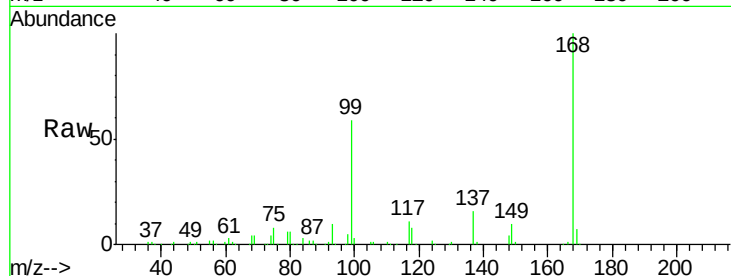
Tgt Ion: 75 Resp: 13681

Ion Ratio Lower Upper

75 100

110 8.7 17.0 51.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.762 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

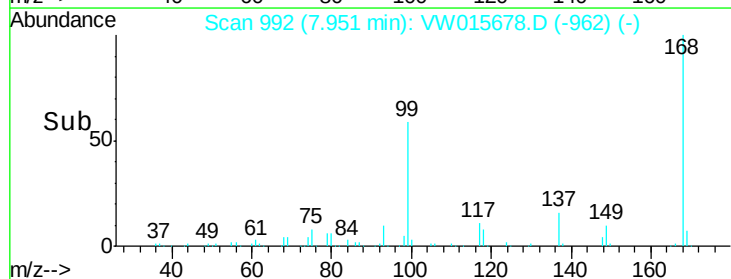
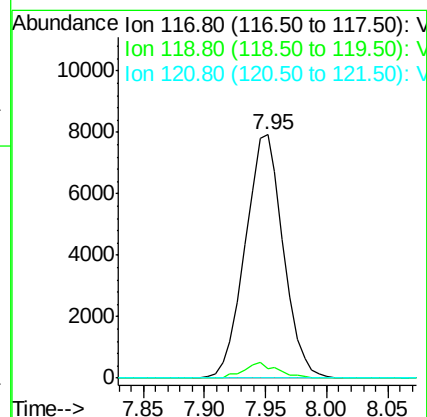
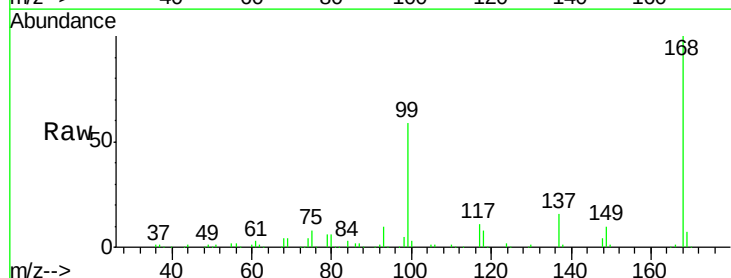
Tgt Ion: 117 Resp: 17132

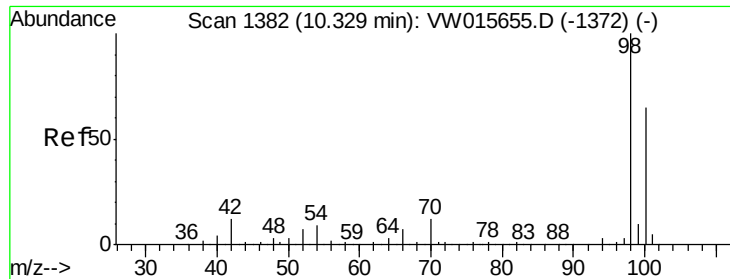
Ion Ratio Lower Upper

117 100

119 3.9 73.2 109.8#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 50.737 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampled :

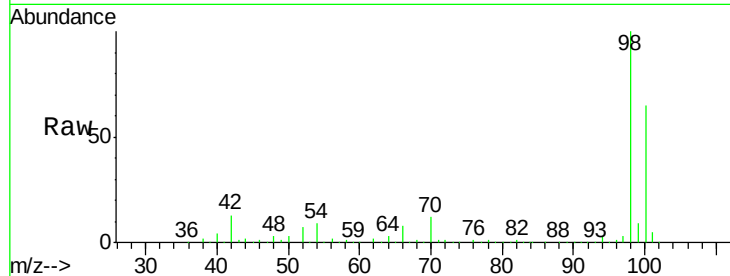
SB-1

Tgt Ion: 98 Resp: 370365

Ion Ratio Lower Upper

98 100

100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

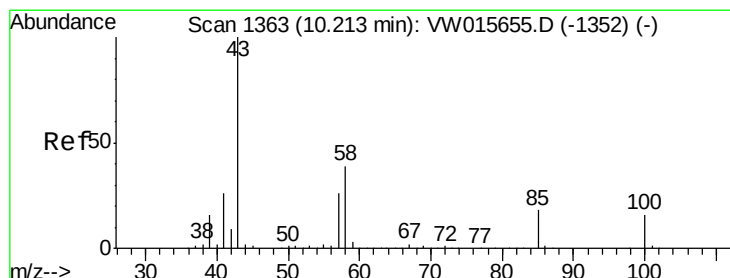
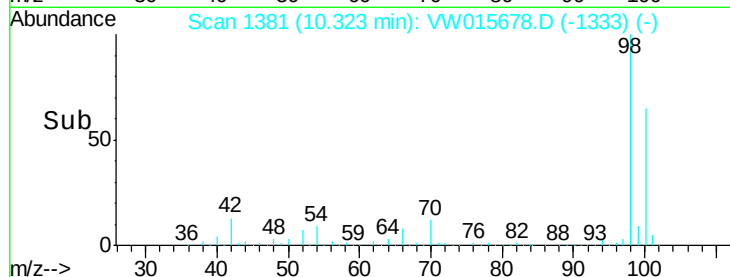
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.728 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015678.D

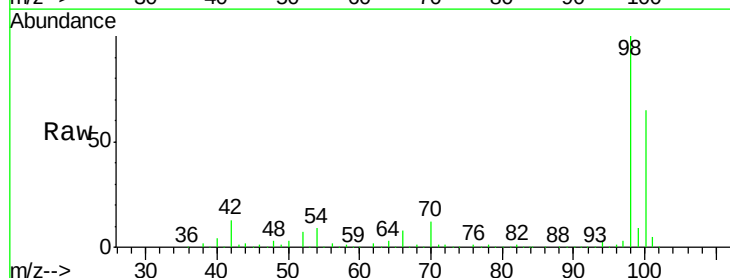
Acq: 24 Jun 2020 13:09

Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

58 170.5 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2000

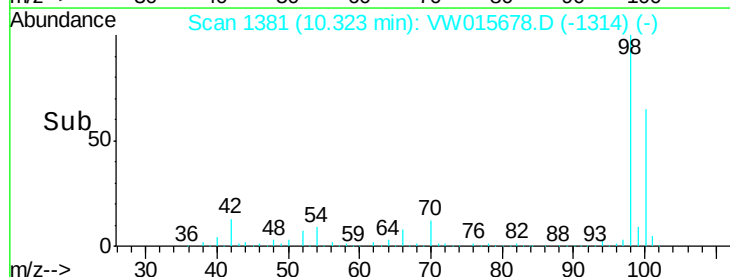
1500

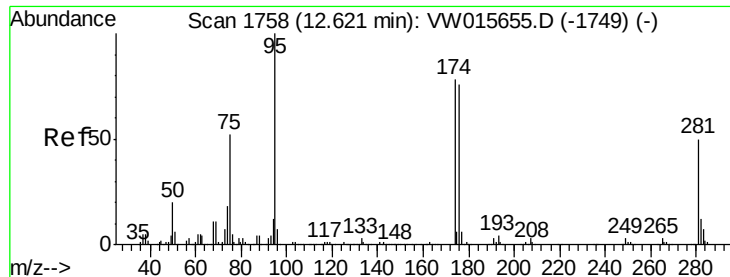
1000

500

0

Time--> 10.25 10.30 10.35

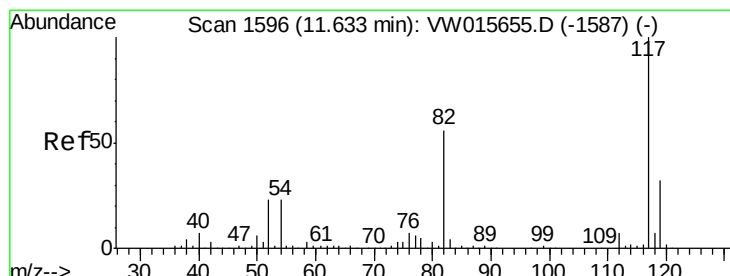
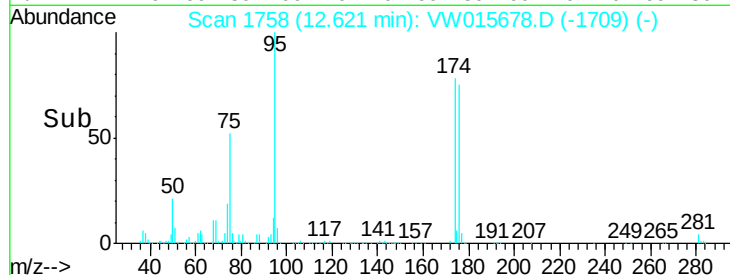
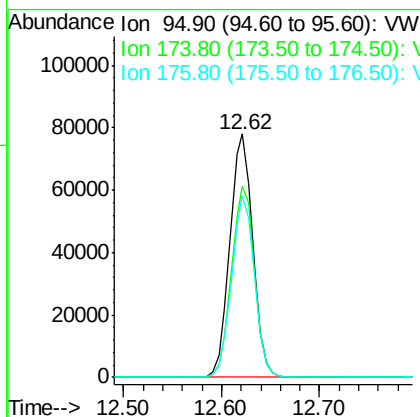
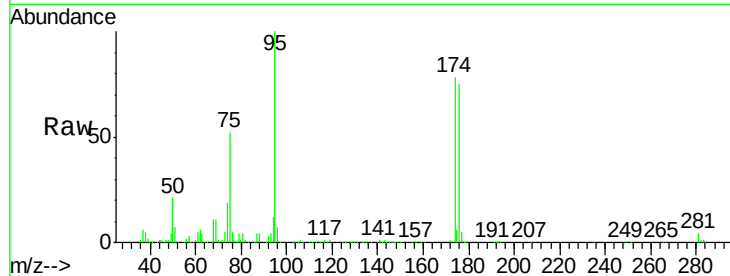




#62
4-Bromofluorobenzene
Concen: 46.994 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015678.D
Acq: 24 Jun 2020 13:09

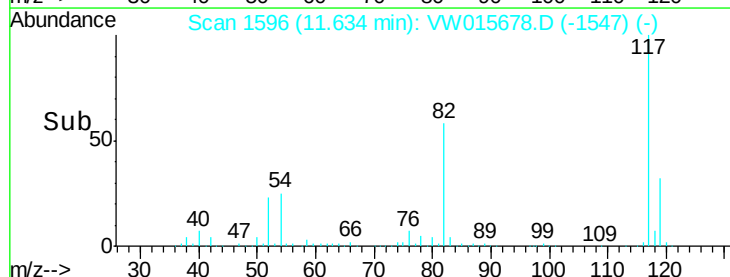
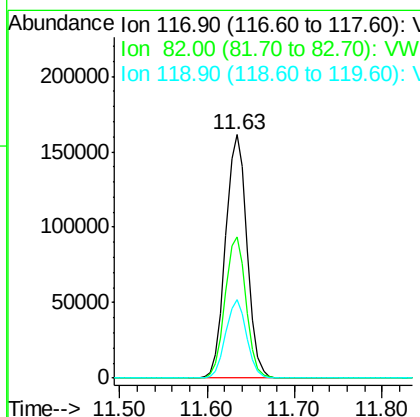
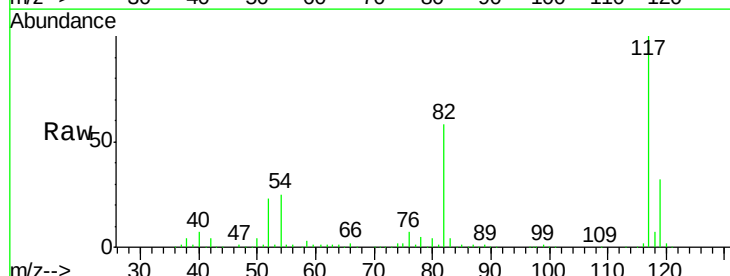
Instrument :
MSVOA_W
ClientSampled :
SB-1

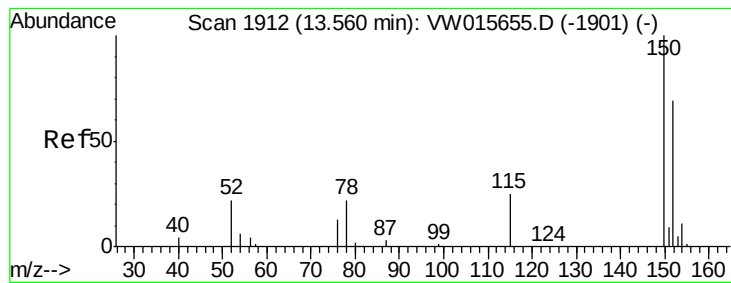
Tgt Ion: 95 Resp: 126333
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.0
176 74.8 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015678.D
Acq: 24 Jun 2020 13:09

Tgt Ion: 117 Resp: 273667
Ion Ratio Lower Upper
117 100
82 58.1 45.1 67.7
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

SB-1

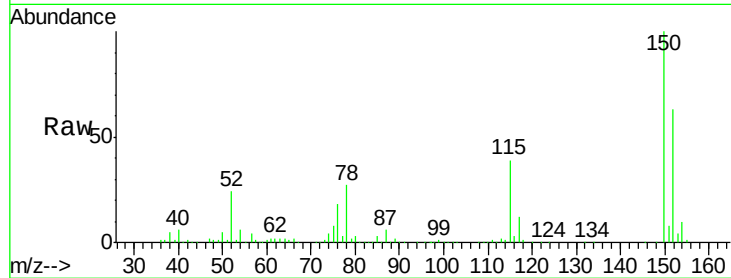
Tgt Ion:152 Resp: 125779

Ion Ratio Lower Upper

152 100

115 58.9 30.1 90.5

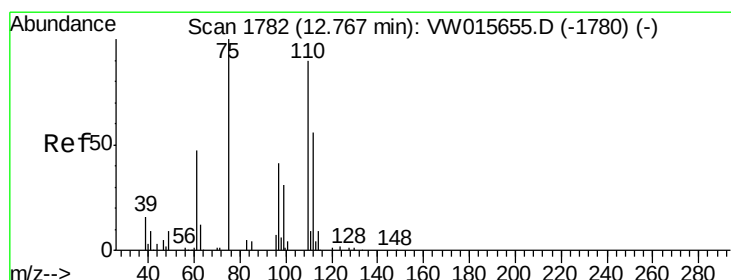
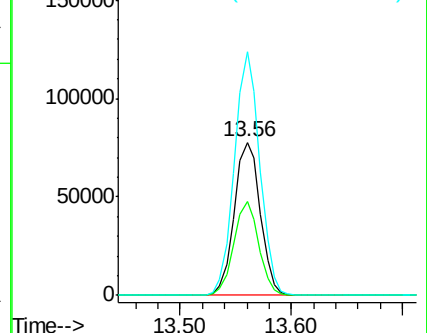
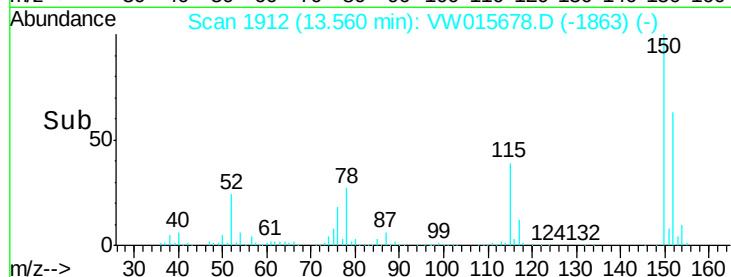
150 154.6 0.0 345.6



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: 58.557 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015678.D

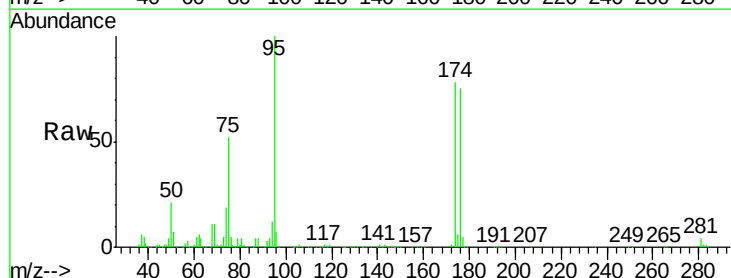
Acq: 24 Jun 2020 13:09

Tgt Ion: 75 Resp: 67182

Ion Ratio Lower Upper

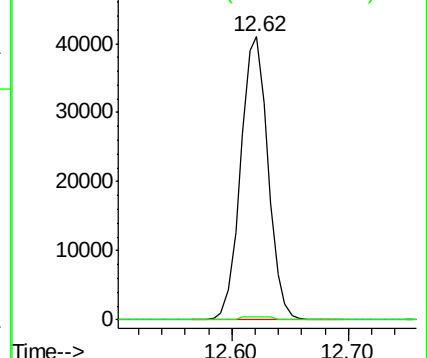
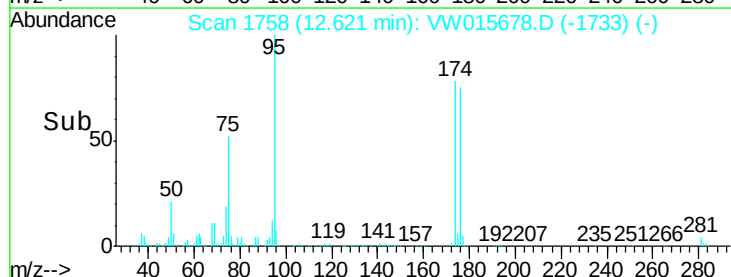
75 100

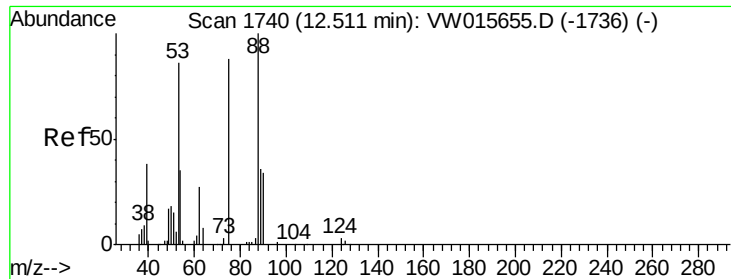
77 1.4 179.1 537.1#



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: 147.565 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015678.D

Acq: 24 Jun 2020 13:09

Instrument :

MSVOA_W

ClientSampleId :

SB-1

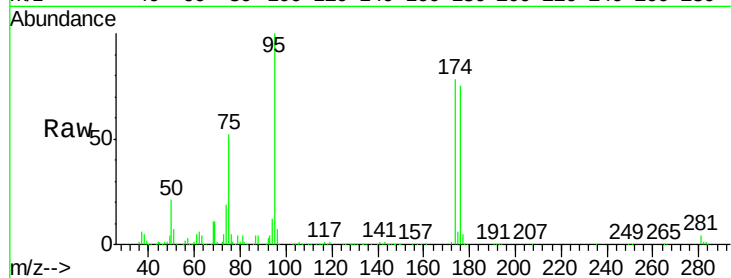
Tgt Ion: 75 Resp: 67182

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#



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

