

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015691.D
 Acq On : 24 Jun 2020 18:51
 Operator : SY/VA
 Sample : L3082-19
 Misc : 5.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-20

Quant Time: Jun 25 02:05:42 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	147550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	268314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109997	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	99692	60.73	ug/l	0.00
Spiked Amount			Recovery	=	121.46%	
35) Dibromofluoromethane	7.88	113	85857	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.32	98	335186	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.62	95	113818	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

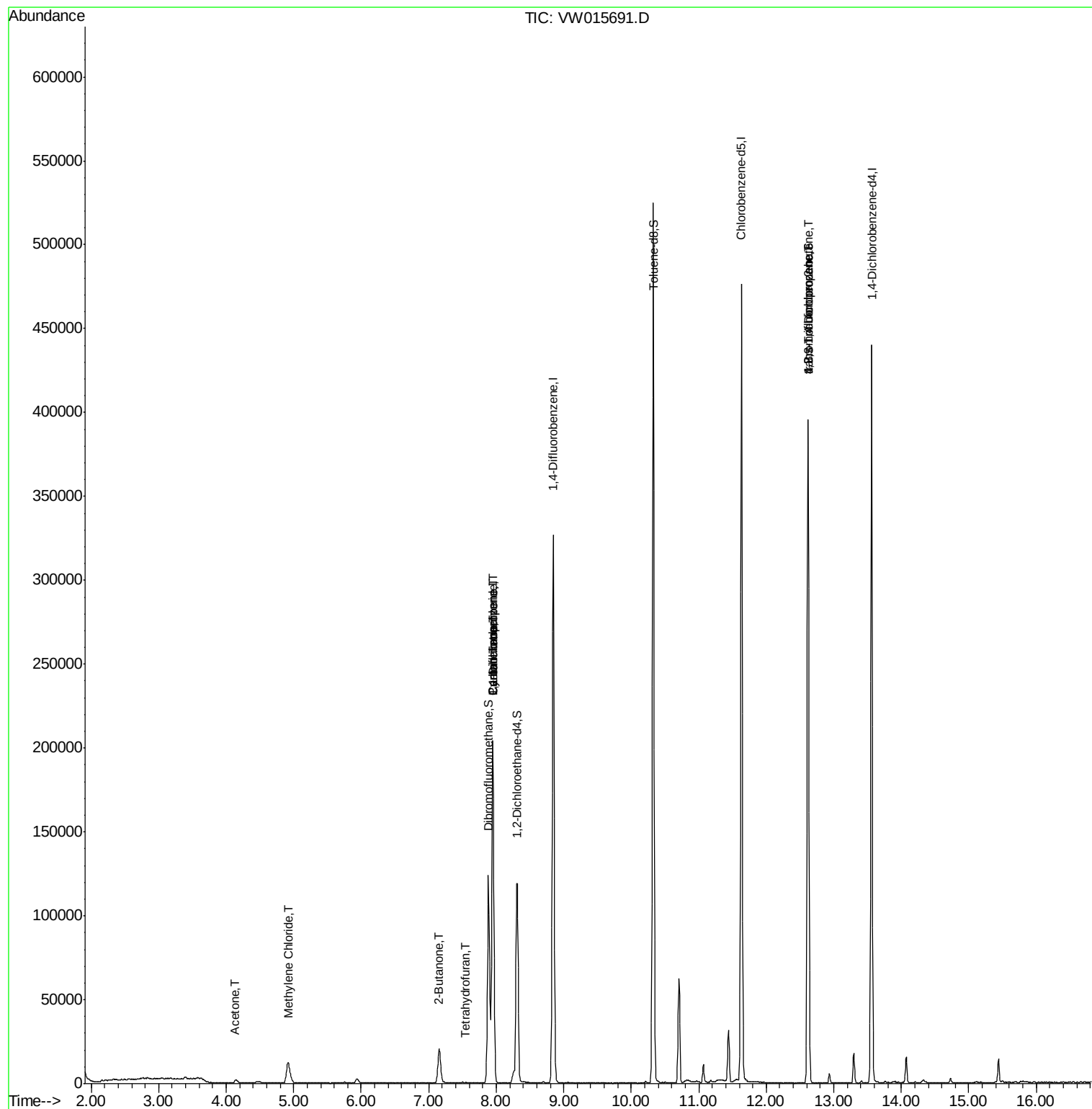
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	22	Below Cal	#	72
16) Acetone	4.14	43	3902	12.503	ug/l	89
18) Methyl Acetate	4.68	43	19	Below Cal	#	52
20) Methylene Chloride	4.92	84	10310	2.448	ug/l	94
25) 2-Butanone	7.16	43	1554	3.684	ug/l #	49
29) Tetrahydrofuran	7.54	42	351	1.416	ug/l #	38
31) Cyclohexane	7.95	56	3747	1.325	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	12255	4.391	ug/l #	51
38) Carbon Tetrachloride	7.95	117	15360	5.678	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	62993	62.783	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	62993	158.216	ug/l #	8

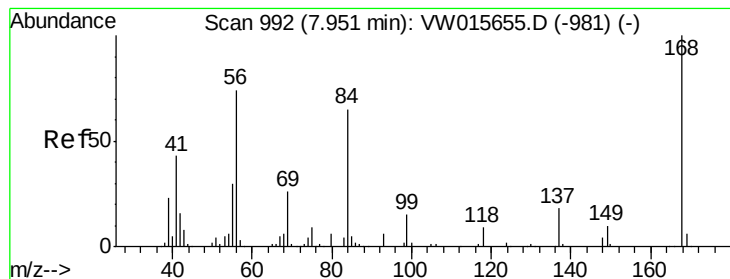
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
Data File : VW015691.D
Acq On : 24 Jun 2020 18:51
Operator : SY/VA
Sample : L3082-19
Misc : 5.82G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-20

Quant Time: Jun 25 02:05:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
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: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampled :

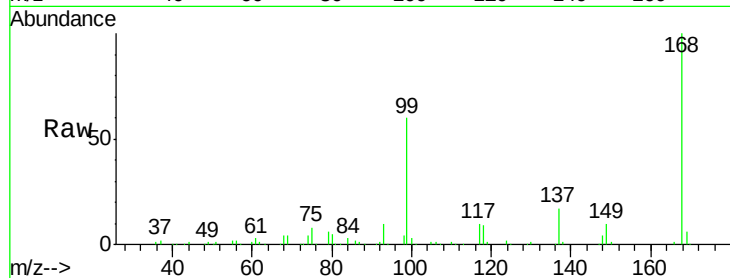
SB-20

Tgt Ion:168 Resp: 147550

Ion Ratio Lower Upper

168 100

99 59.5 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

60000

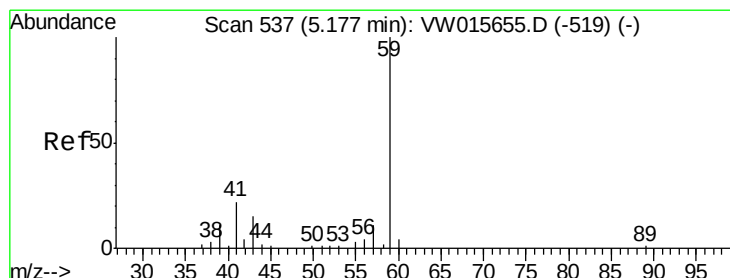
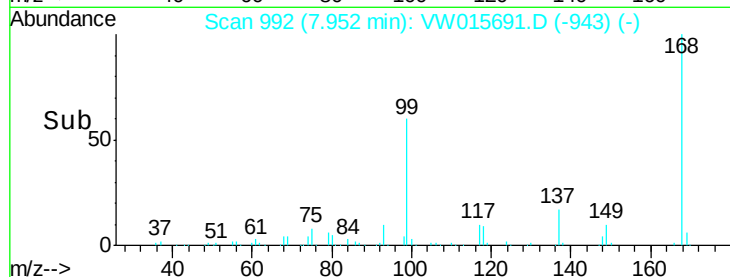
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.03 min

Lab File: VW015691.D

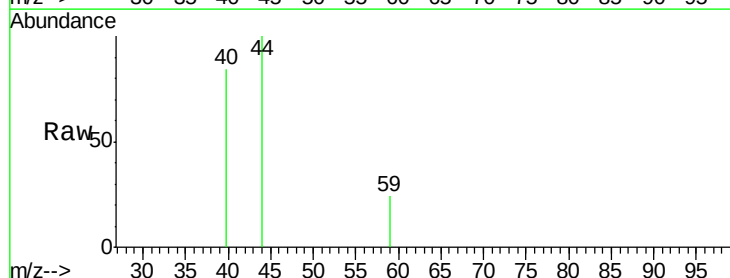
Acq: 24 Jun 2020 18:51

Tgt Ion: 59 Resp: 22

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

5.15

60

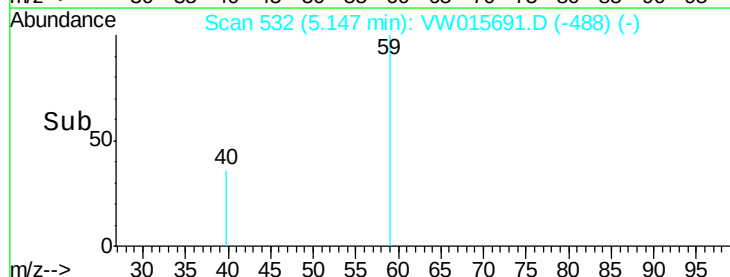
40

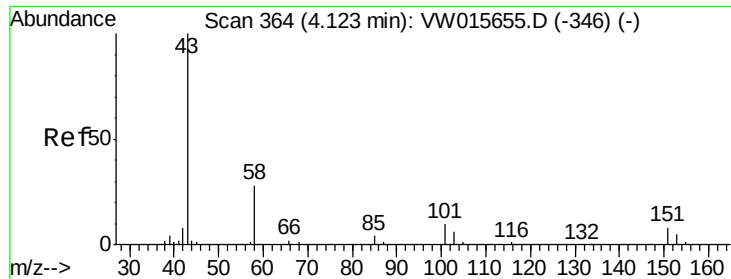
20

0

5.14 5.15 5.16

Time-->





#16

Acetone

Concen: 12.503 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampled :

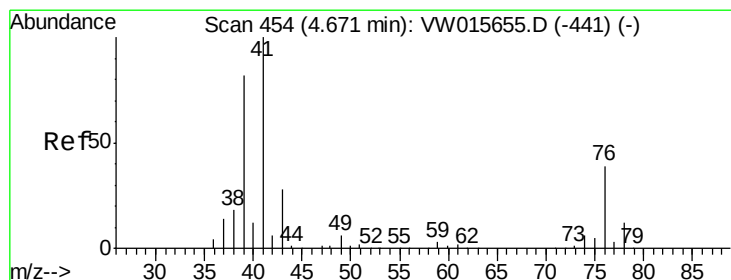
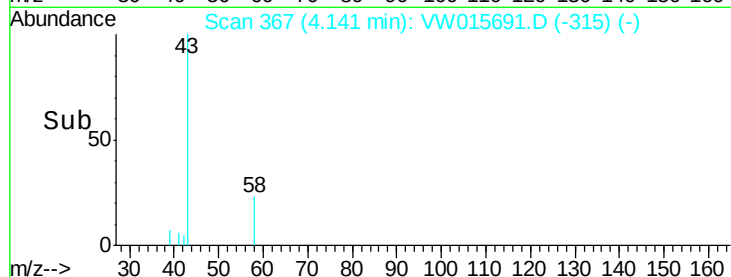
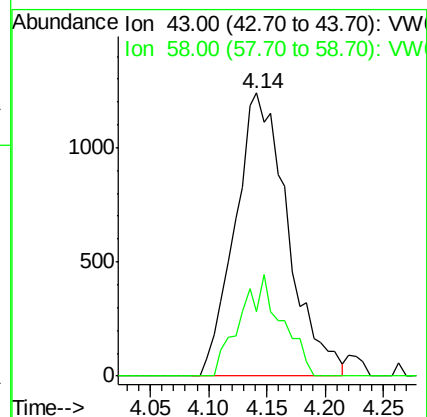
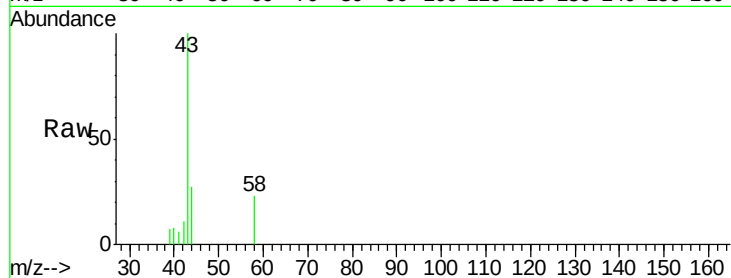
SB-20

Tgt Ion: 43 Resp: 3902

Ion Ratio Lower Upper

43 100

58 22.6 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015691.D

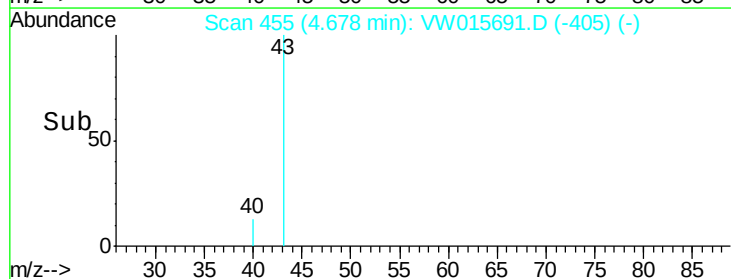
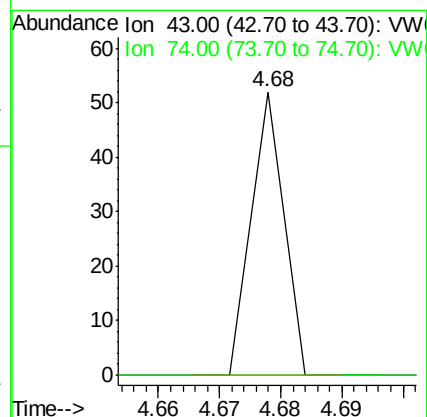
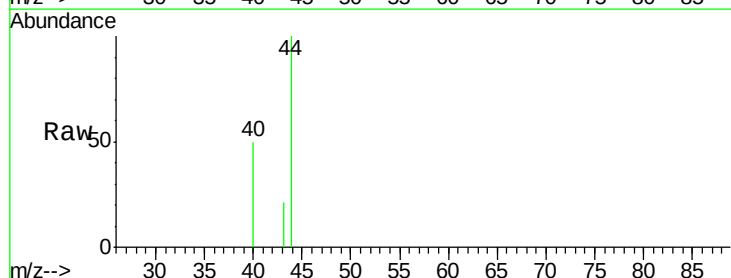
Acq: 24 Jun 2020 18:51

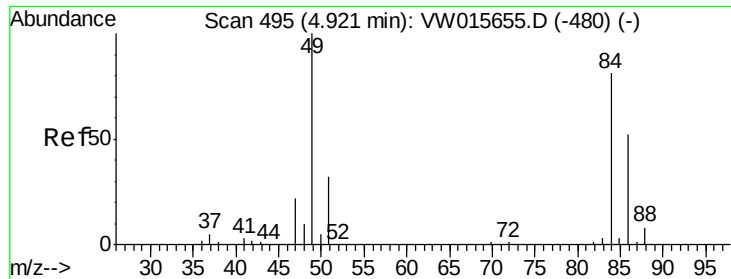
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

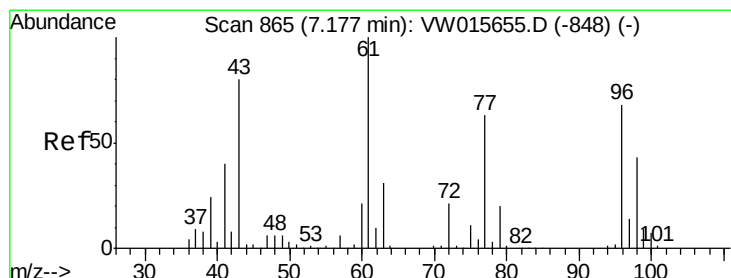
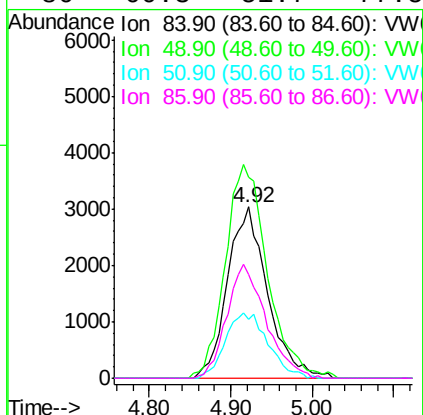
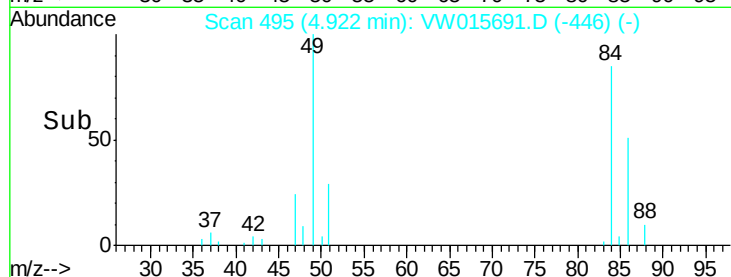
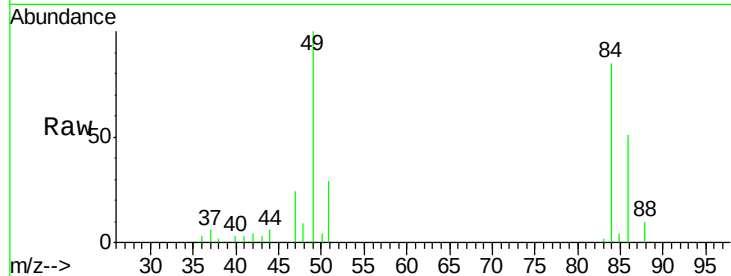




#20
Methylene Chloride
Concen: 2.448 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015691.D
Acq: 24 Jun 2020 18:51

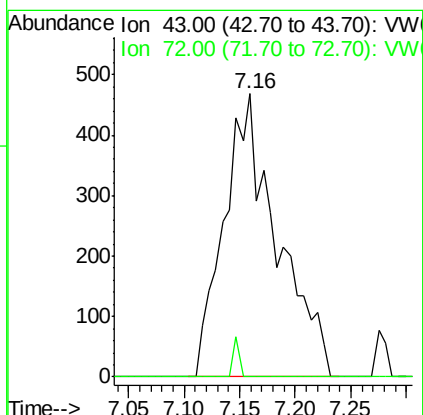
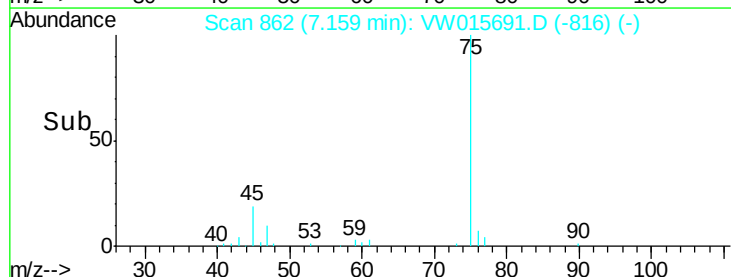
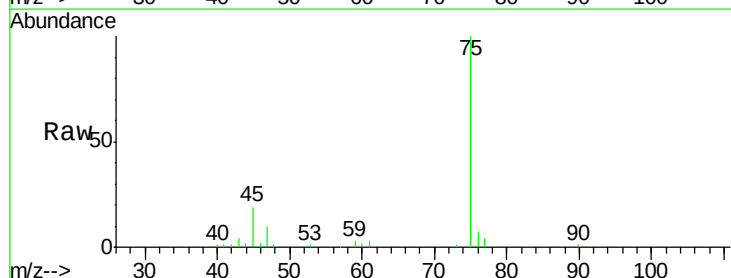
Instrument :
MSVOA_W
ClientSampleId :
SB-20

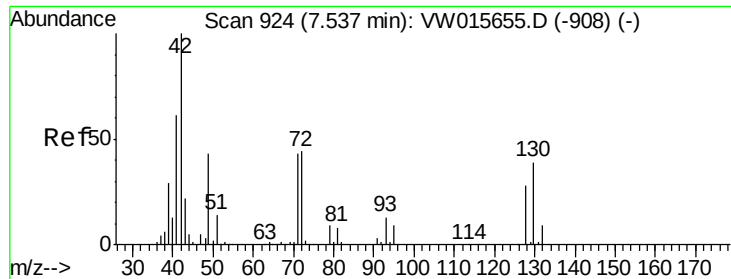
Tgt Ion:	84	Resp:	10310
Ion	Ratio	Lower	Upper
84	100		
49	117.8	99.3	148.9
51	34.6	31.8	47.6
86	60.3	51.7	77.5



#25
2-Butanone
Concen: 3.684 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: VW015691.D
Acq: 24 Jun 2020 18:51

Tgt Ion:	43	Resp:	1554
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#29

Tetrahydrofuran

Concen: 1.416 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

SB-20

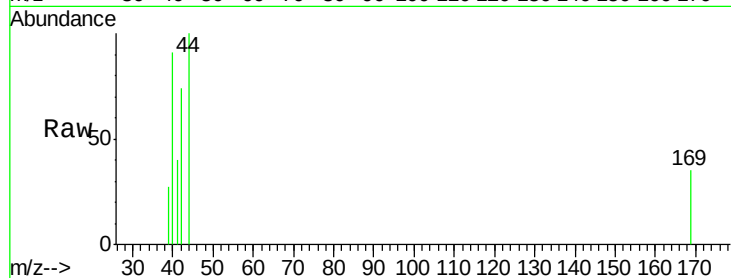
Tgt Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

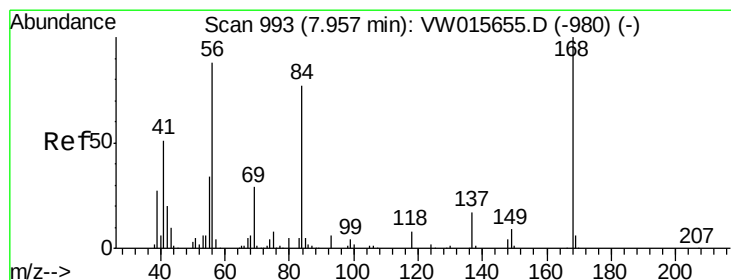
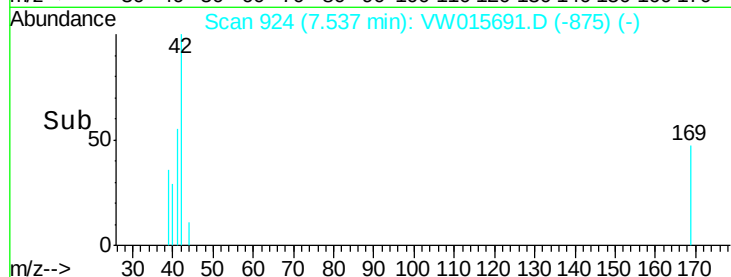
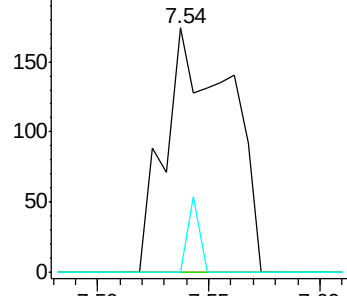
71 5.7 32.6 49.0#



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: 1.325 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015691.D

Acq: 24 Jun 2020 18:51

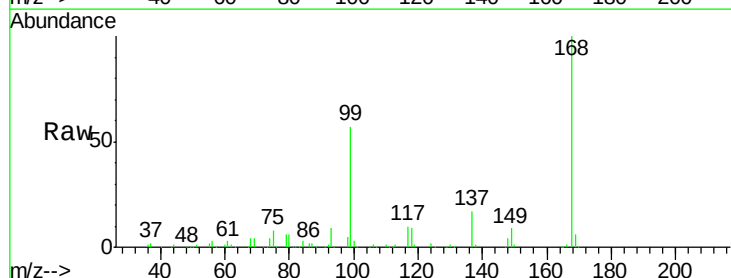
Tgt Ion: 56 Resp: 3747

Ion Ratio Lower Upper

56 100

69 149.5 26.2 39.4#

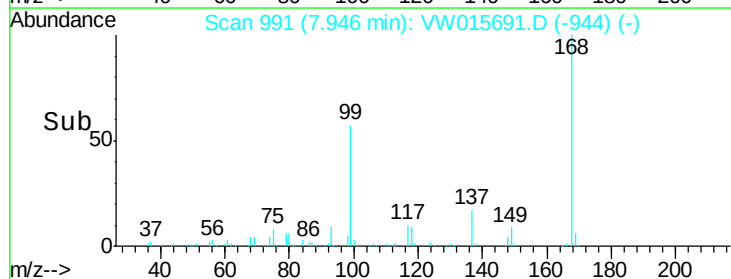
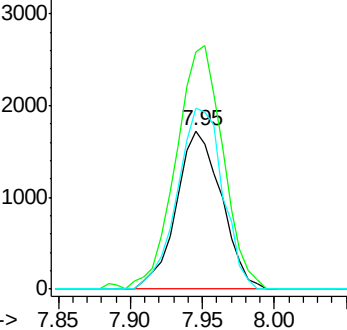
84 114.0 70.4 105.6#

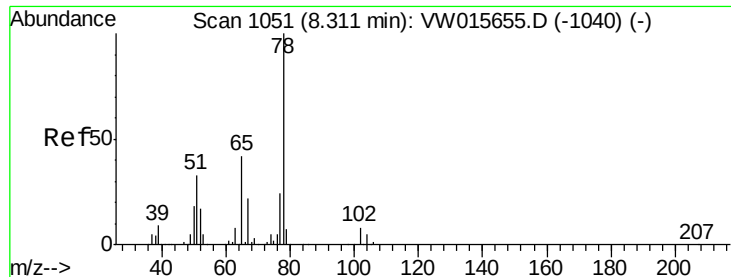


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

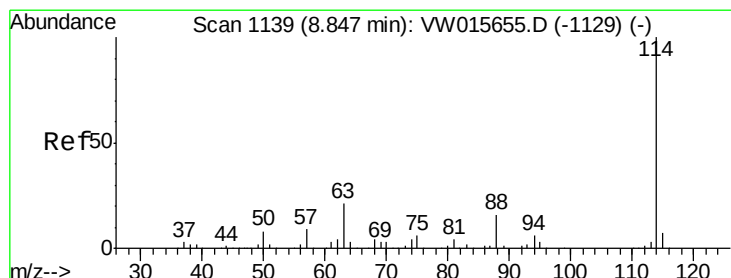
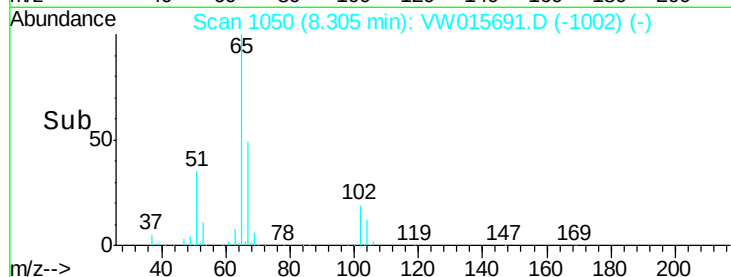
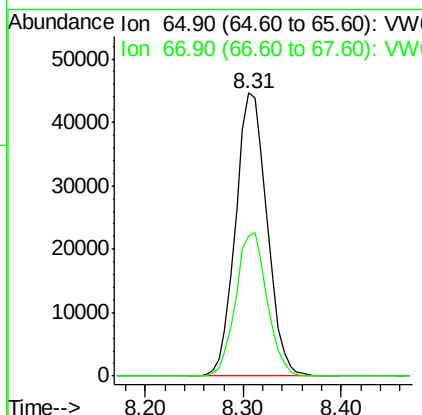
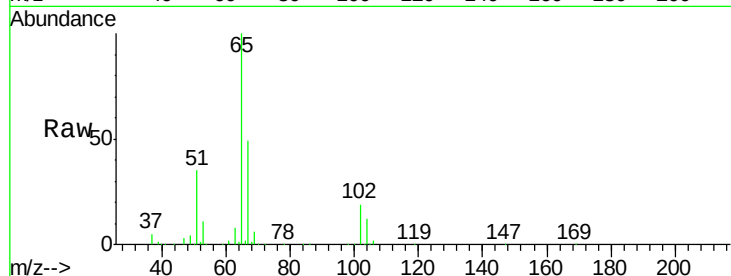




#33
 1,2-Dichloroethane-d4
 Concen: 60.725 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015691.D
 Acq: 24 Jun 2020 18:51

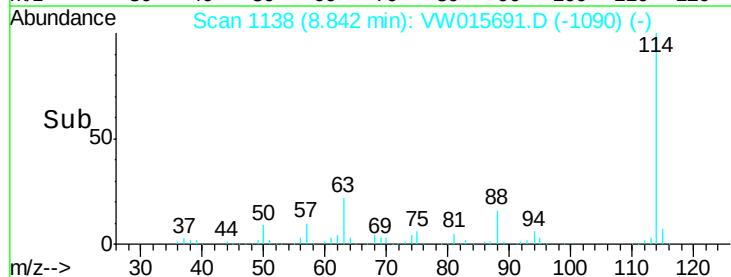
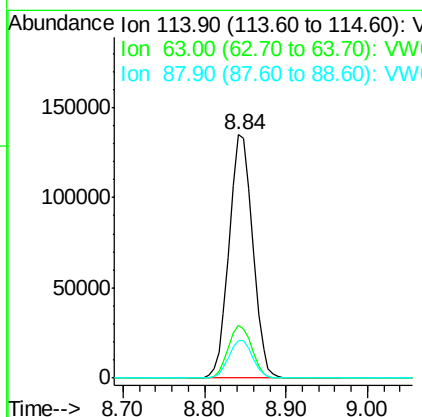
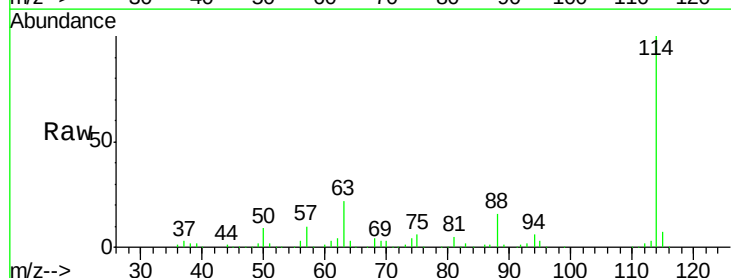
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-20

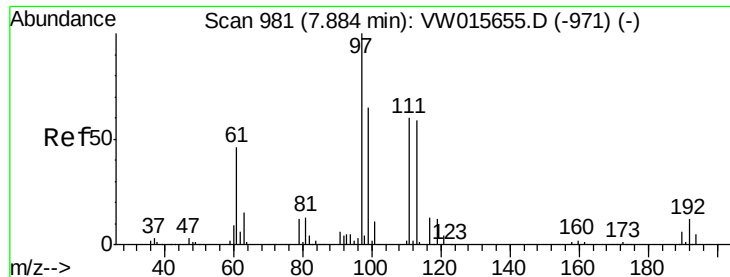
Tgt Ion: 65 Resp: 99692
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015691.D
 Acq: 24 Jun 2020 18:51

Tgt Ion: 114 Resp: 268314
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.4
 88 15.6 0.0 32.6

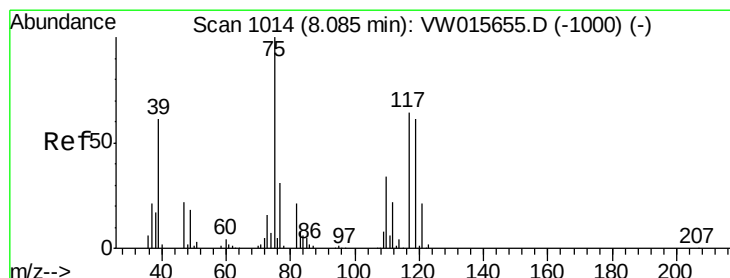
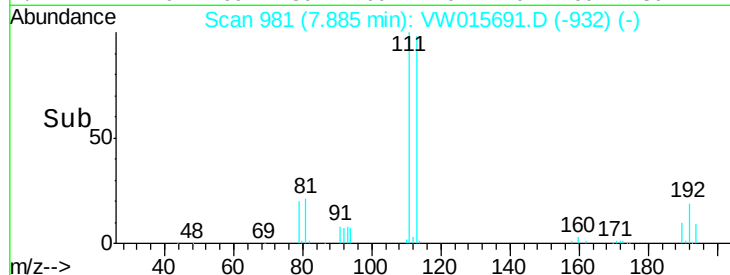
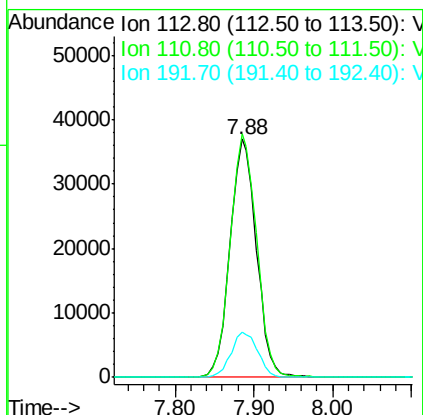
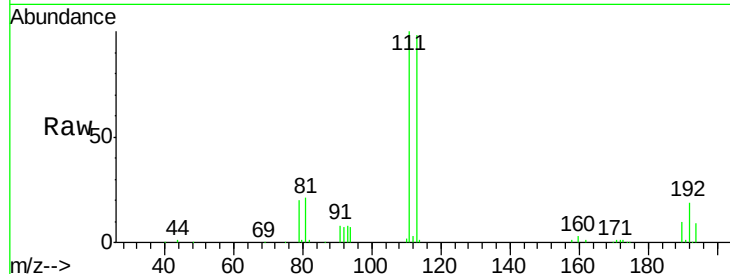




#35
 Dibromofluoromethane
 Concen: 50.870 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015691.D
 Acq: 24 Jun 2020 18:51

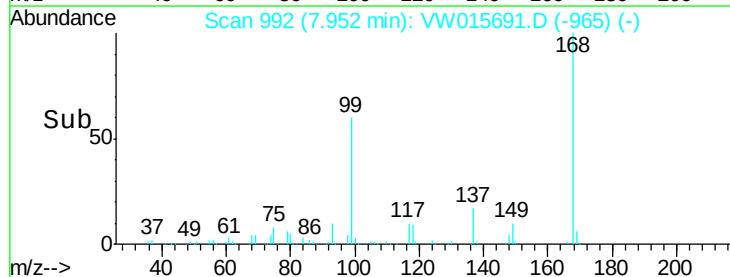
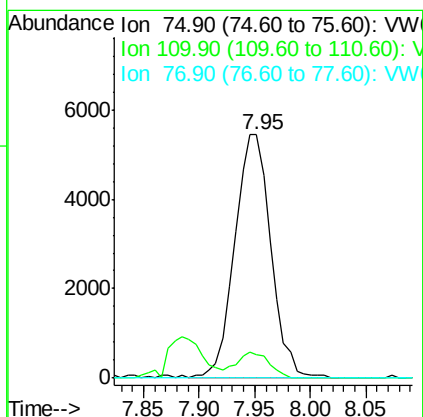
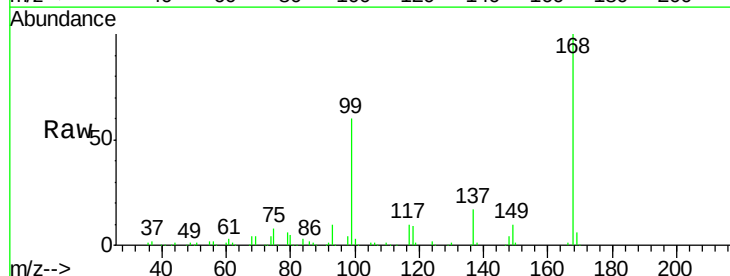
Instrument :
 MSVOA_W
 ClientSampled :
 SB-20

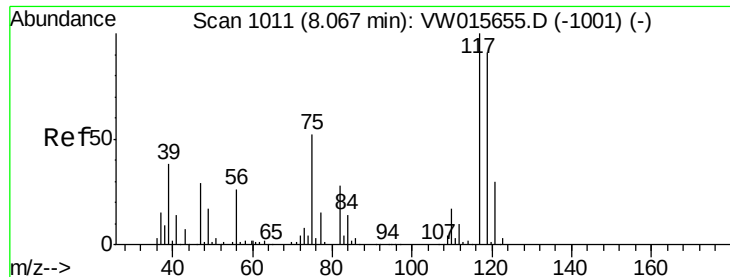
Tgt Ion:113 Resp: 85857
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.3 123.5
 192 19.2 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015691.D
 Acq: 24 Jun 2020 18:51

Tgt Ion: 75 Resp: 12255
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.0 51.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.678 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

SB-20

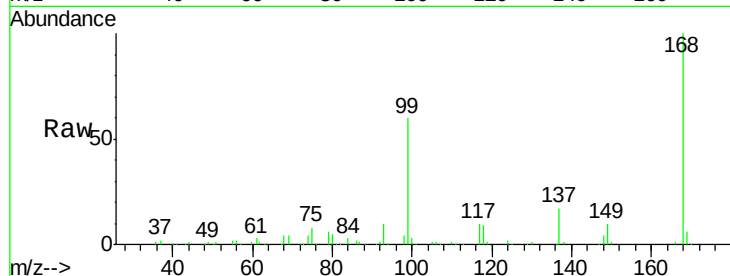
Tgt Ion: 117 Resp: 15360

Ion Ratio Lower Upper

117 100

119 6.4 73.2 109.8#

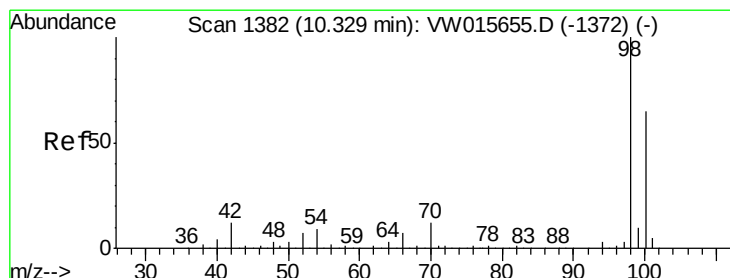
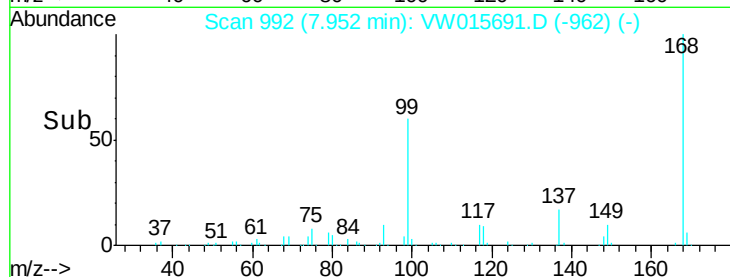
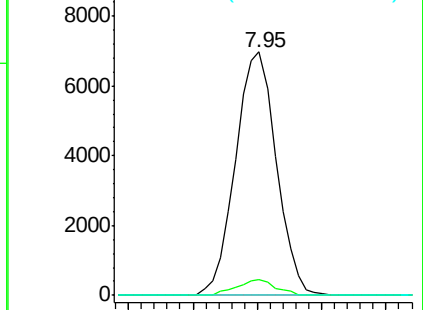
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.464 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015691.D

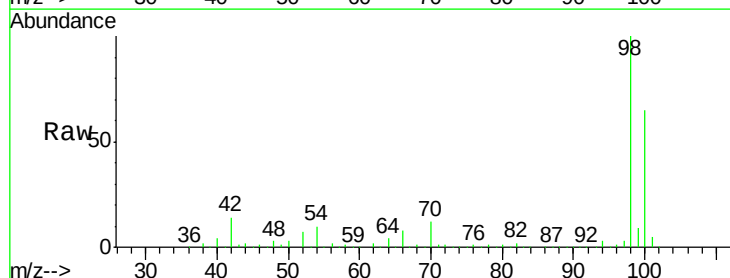
Acq: 24 Jun 2020 18:51

Tgt Ion: 98 Resp: 335186

Ion Ratio Lower Upper

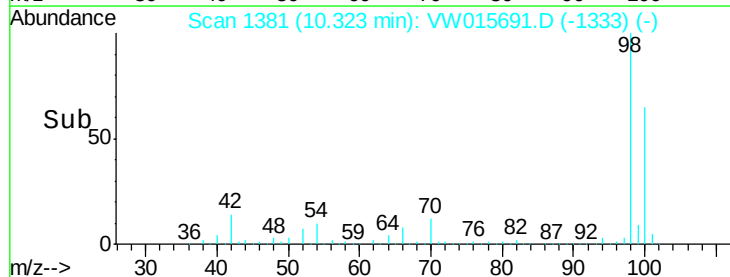
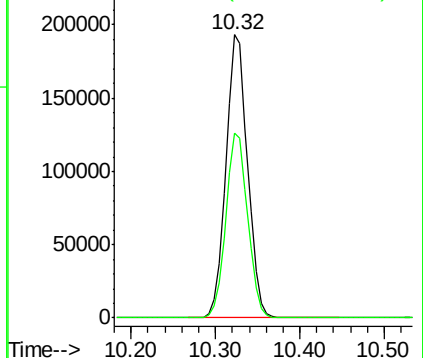
98 100

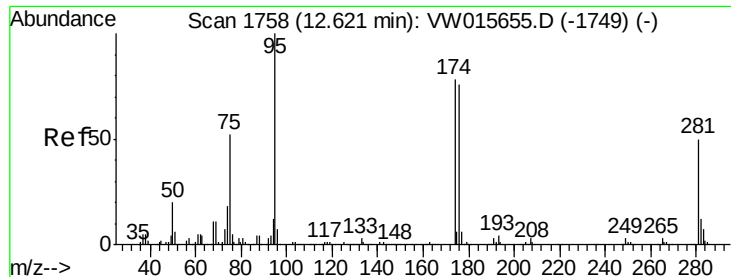
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.530 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampled :

SB-20

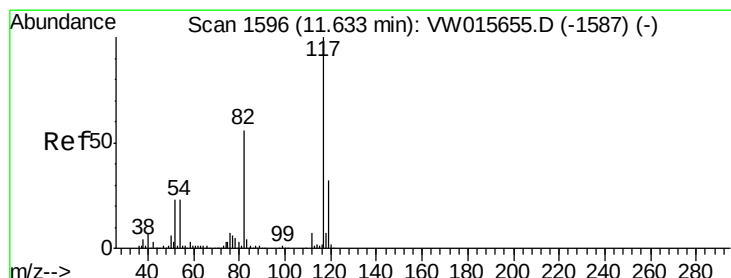
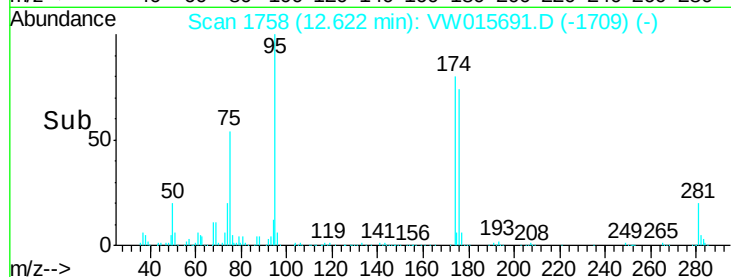
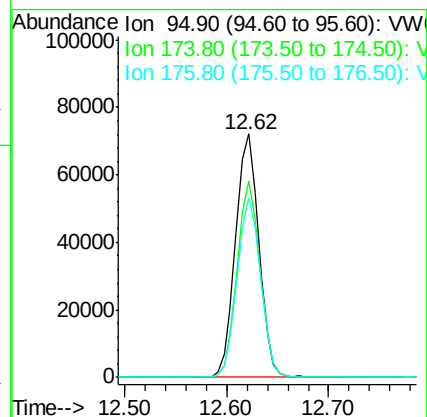
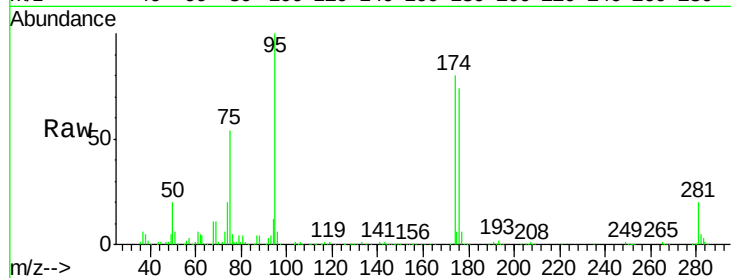
Tgt Ion: 95 Resp: 113818

Ion Ratio Lower Upper

95 100

174 78.7 0.0 157.0

176 74.0 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: VW015691.D

Acq: 24 Jun 2020 18:51

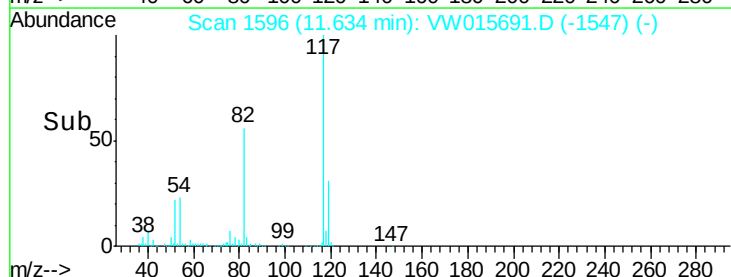
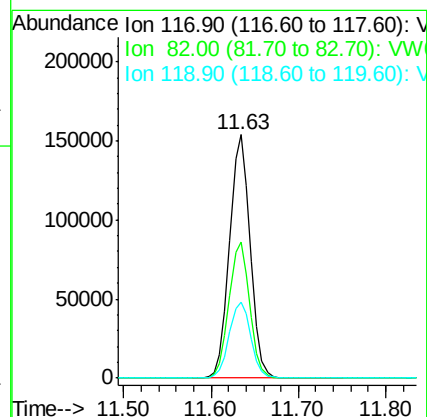
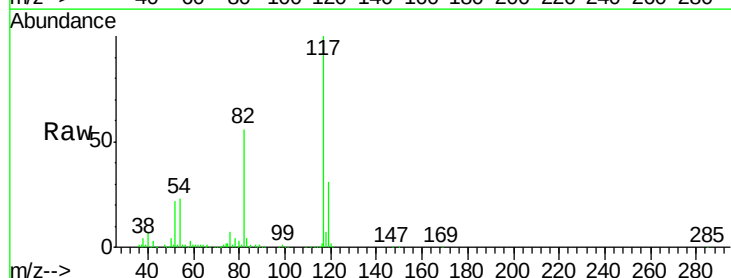
Tgt Ion: 117 Resp: 251139

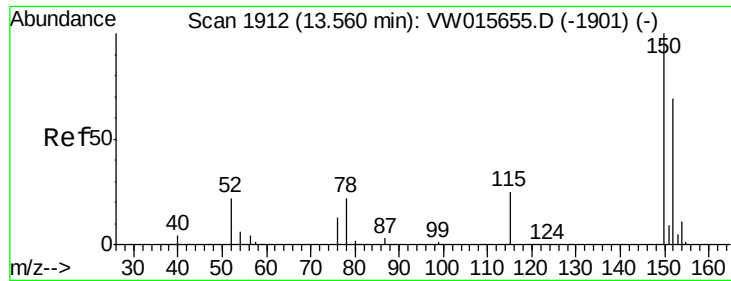
Ion Ratio Lower Upper

117 100

82 55.8 45.1 67.7

119 31.2 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: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

SB-20

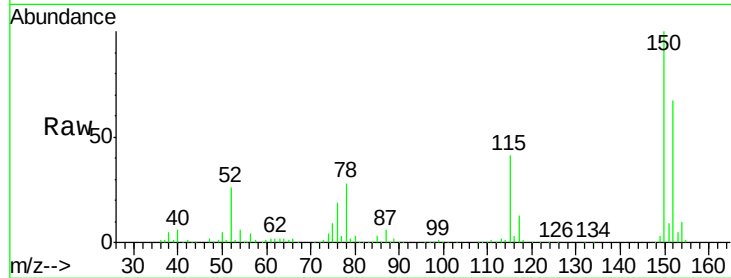
Tgt Ion:152 Resp: 109997

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.5

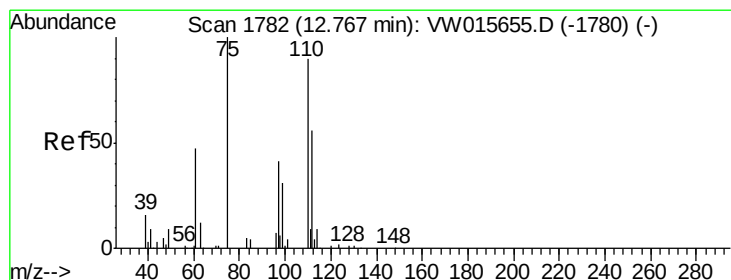
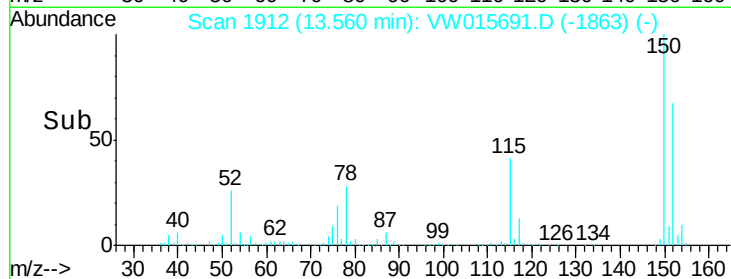
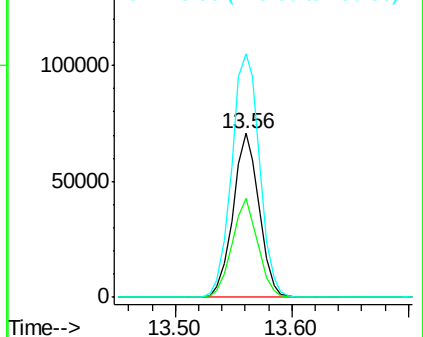
150 158.4 0.0 345.6



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: 62.783 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015691.D

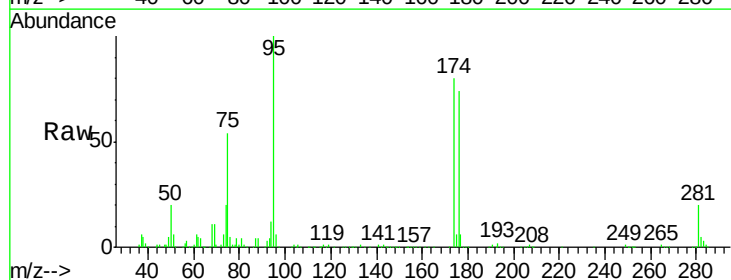
Acq: 24 Jun 2020 18:51

Tgt Ion: 75 Resp: 62993

Ion Ratio Lower Upper

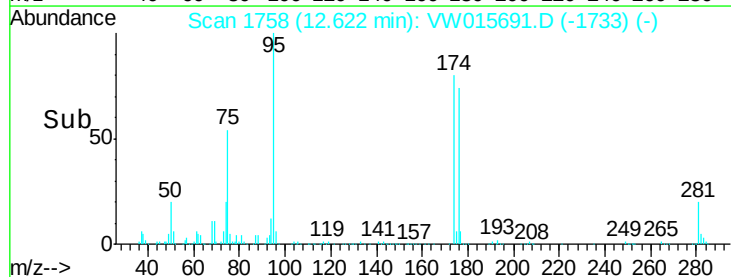
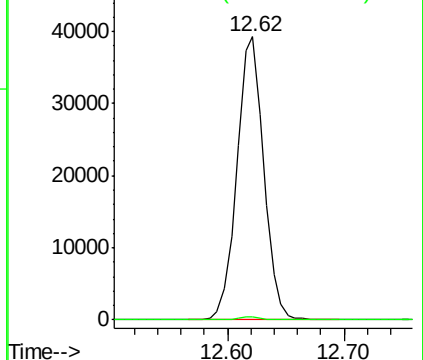
75 100

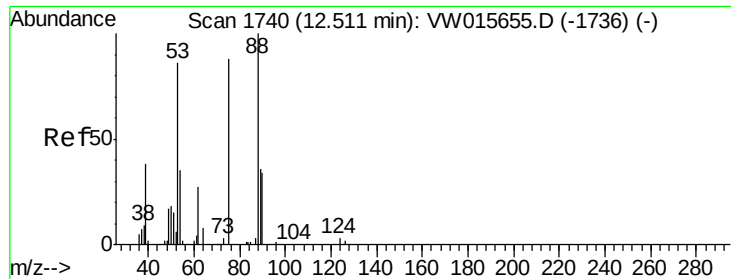
77 1.2 179.1 537.1#



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: 158.216 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015691.D

Acq: 24 Jun 2020 18:51

Instrument :

MSVOA_W

ClientSampleId :

SB-20

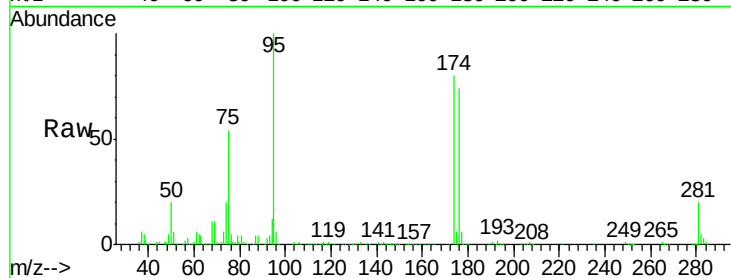
Tgt Ion: 75 Resp: 62993

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

