

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015679.D
 Acq On : 24 Jun 2020 13:35
 Operator : SY/VA
 Sample : L3082-02
 Misc : 4.42G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2

Quant Time: Jun 25 02:03:31 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	156983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	281648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117101	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	106560	61.01	ug/l	0.00
Spiked Amount			Recovery	=	122.02%	
35) Dibromofluoromethane	7.88	113	90510	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.33	98	351399	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.62	95	119024	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

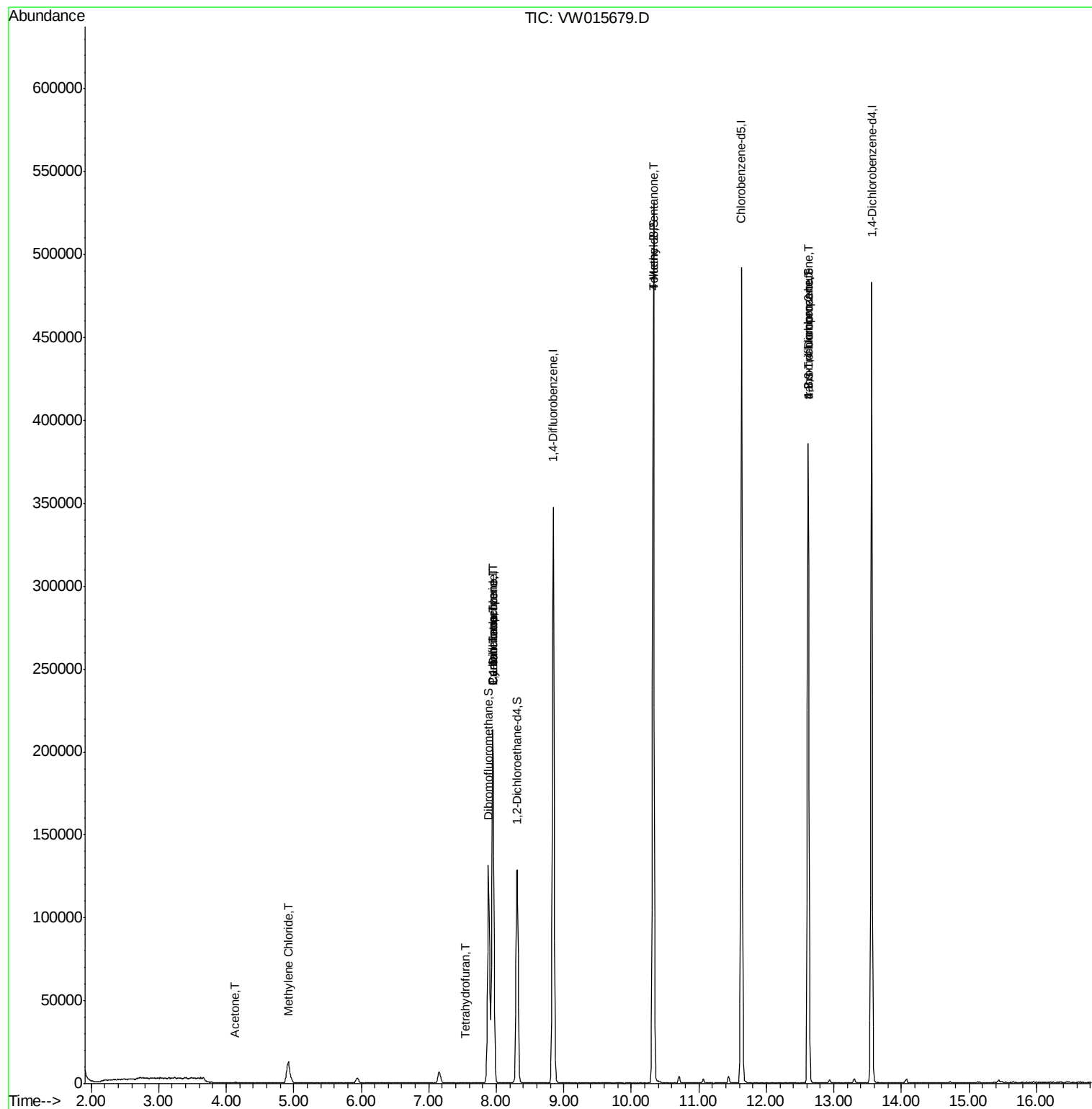
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	26	Below Cal	#	72
16) Acetone	4.14	43	849	2.557	ug/l #	47
18) Methyl Acetate	4.83	43	23	Below Cal	#	52
20) Methylene Chloride	4.92	84	10757	2.304	ug/l	97
29) Tetrahydrofuran	7.55	42	364	1.380	ug/l #	55
31) Cyclohexane	7.95	56	4095	1.361	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	12917	4.409	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16040	5.649	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	1745	1.621	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65425	61.252	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	65425	154.356	ug/l #	8

(#) = 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: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

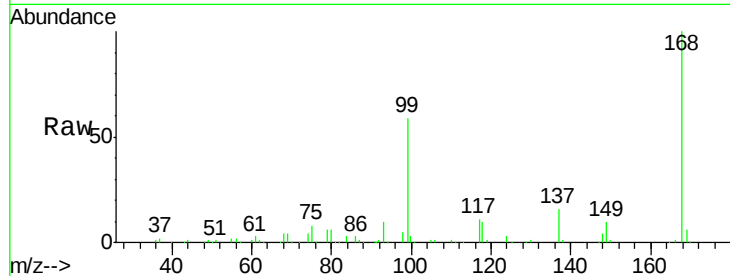
SB-2

Tgt Ion:168 Resp: 156983

Ion Ratio Lower Upper

168 100

99 59.2 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

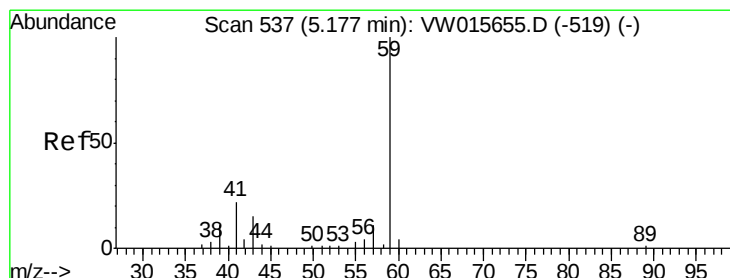
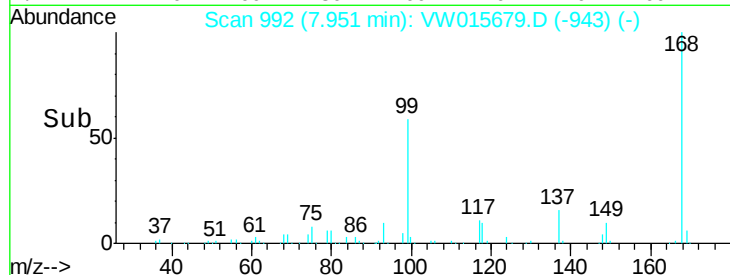
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW015679.D

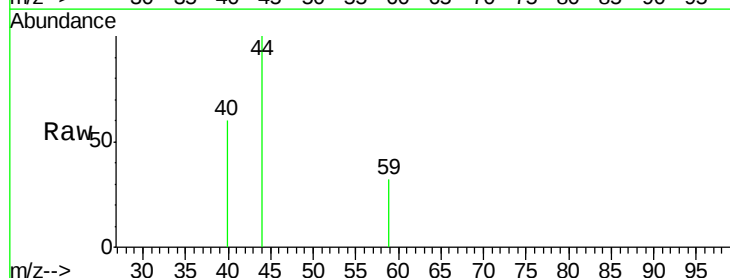
Acq: 24 Jun 2020 13:35

Tgt Ion: 59 Resp: 26

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

80

60

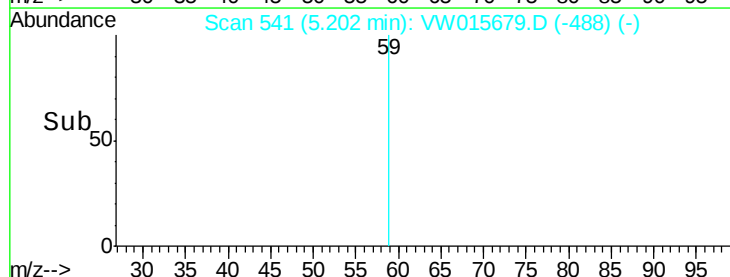
40

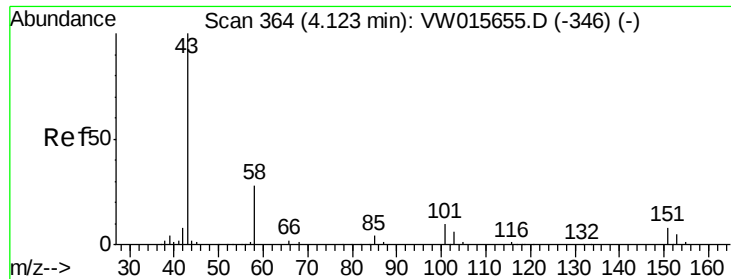
20

0

5.18 5.19 5.20 5.21 5.22

Time-->





#16

Acetone

Concen: 2.557 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

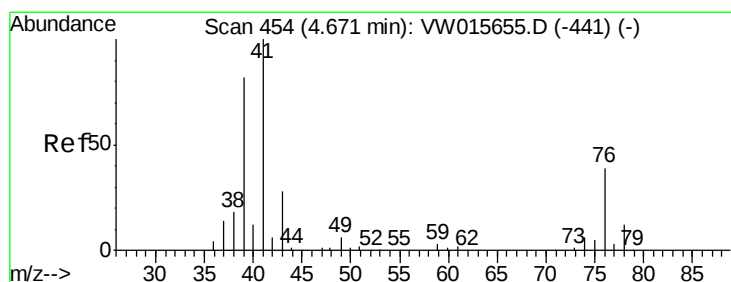
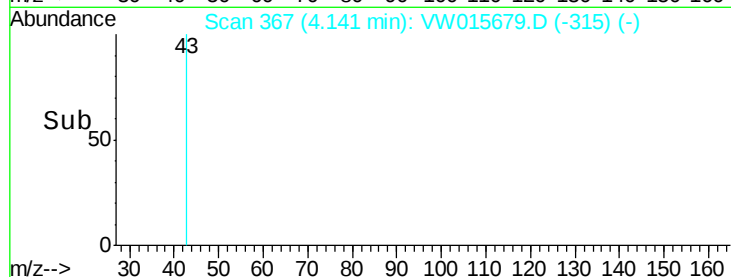
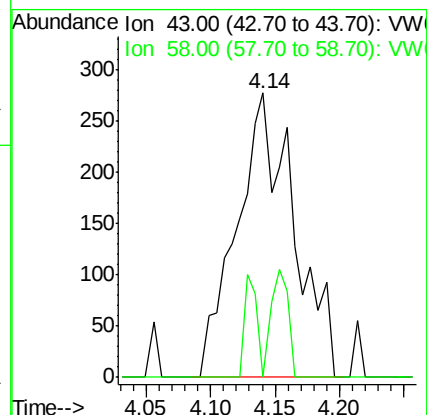
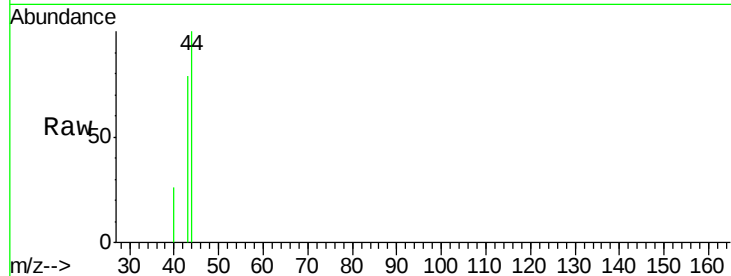
SB-2

Tgt Ion: 43 Resp: 849

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.83 min Scan# 480

Delta R.T. 0.16 min

Lab File: VW015679.D

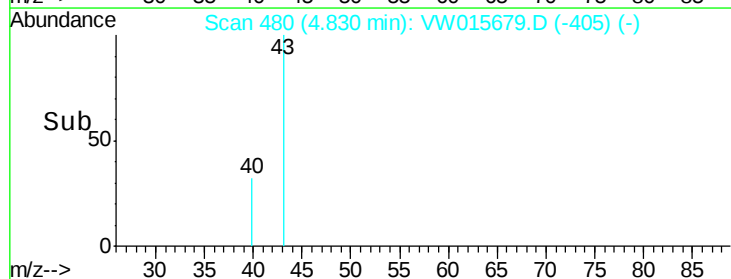
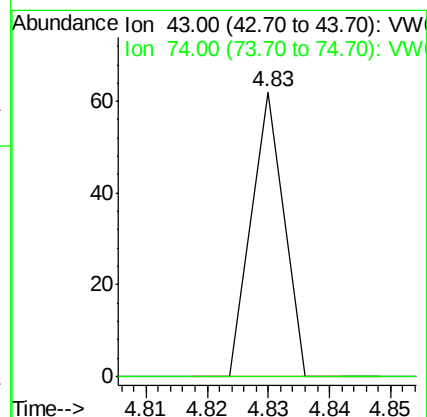
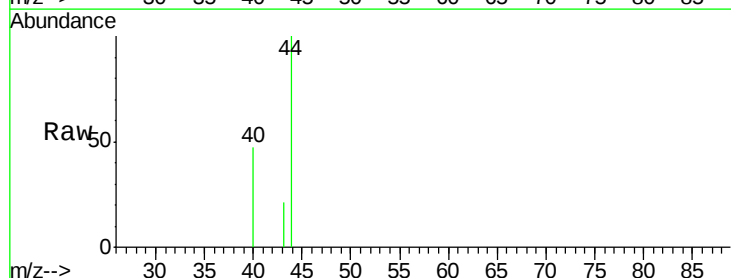
Acq: 24 Jun 2020 13:35

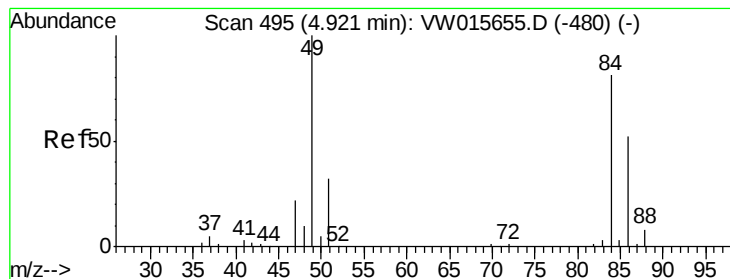
Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#20

Methylene Chloride

Concen: 2.304 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

SB-2

Tgt Ion: 84 Resp: 10757

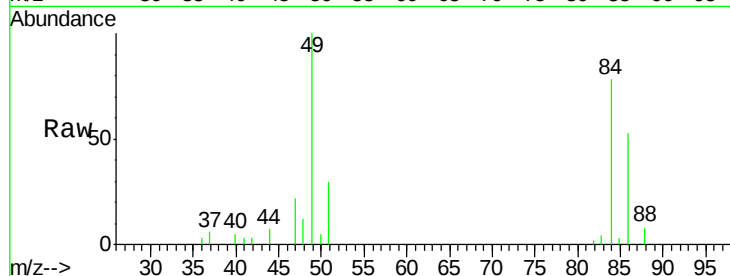
Ion Ratio Lower Upper

84 100

49 128.0 99.3 148.9

51 38.8 31.8 47.6

86 68.1 51.7 77.5

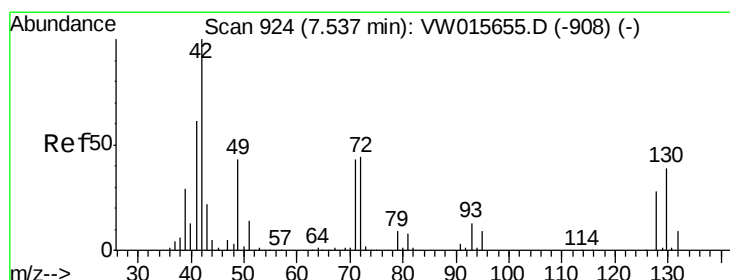
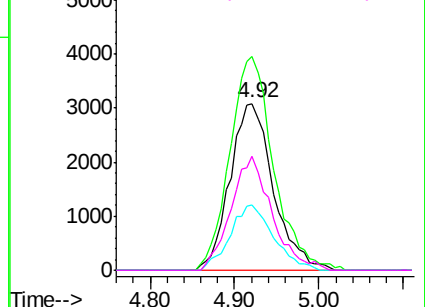
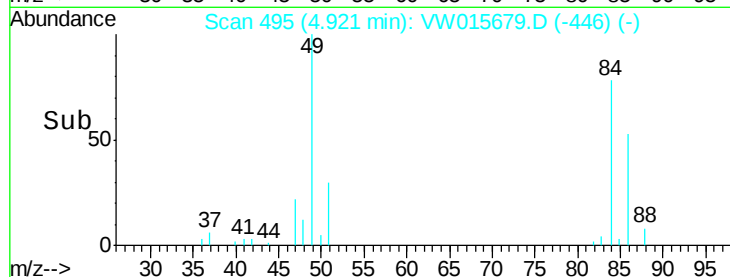


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.380 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW015679.D

Acq: 24 Jun 2020 13:35

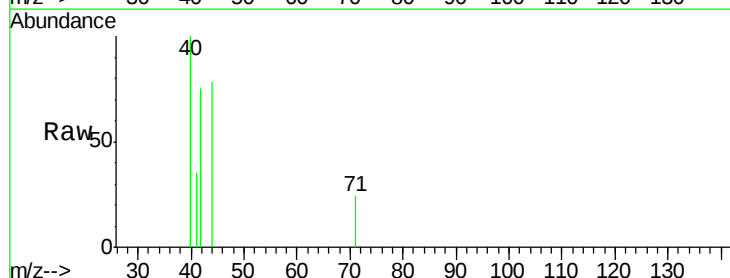
Tgt Ion: 42 Resp: 364

Ion Ratio Lower Upper

42 100

72 5.8 35.0 52.6#

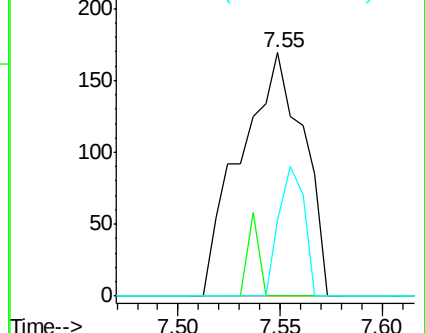
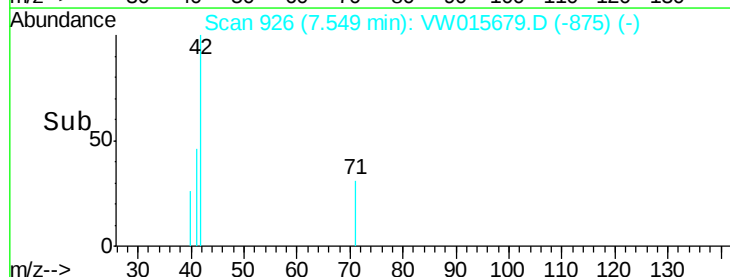
71 21.4 32.6 49.0#

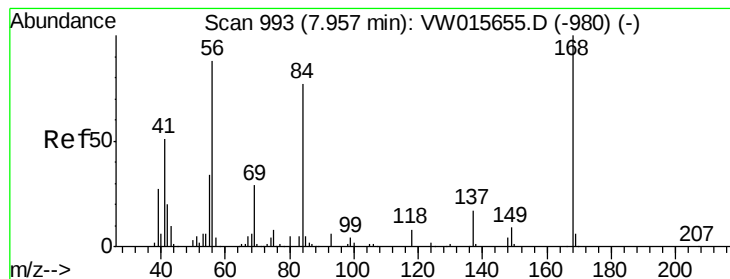


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

SB-2

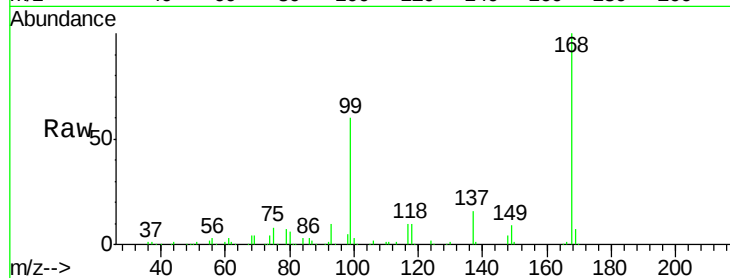
Tgt Ion: 56 Resp: 4095

Ion Ratio Lower Upper

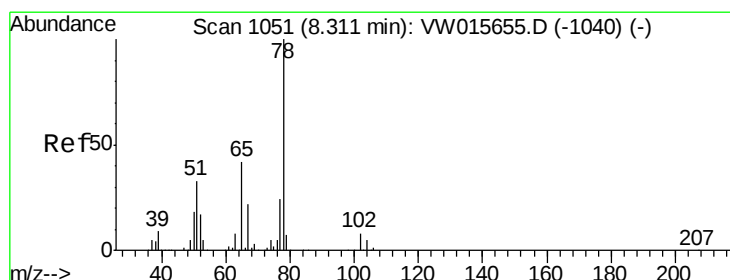
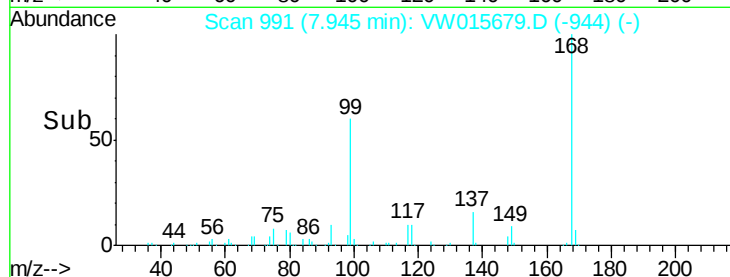
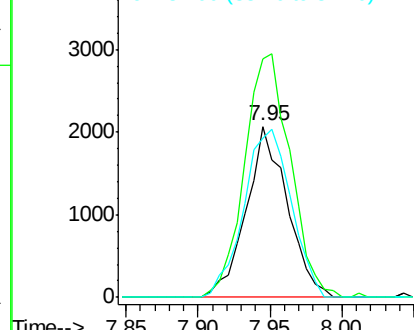
56 100

69 139.6 26.2 39.4#

84 93.0 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: 61.008 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015679.D

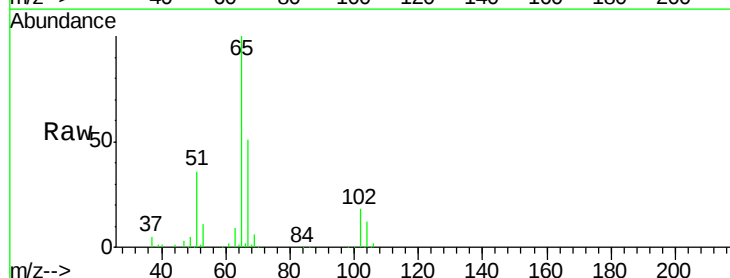
Acq: 24 Jun 2020 13:35

Tgt Ion: 65 Resp: 106560

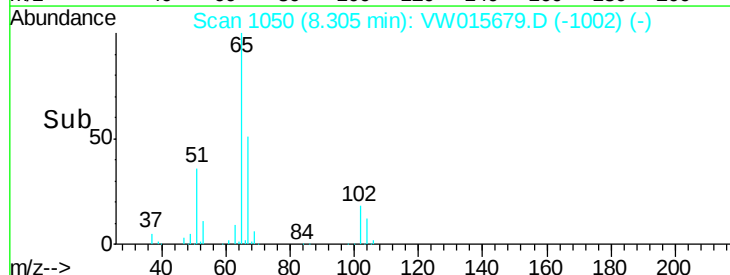
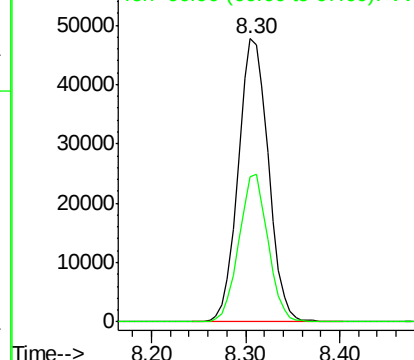
Ion Ratio Lower Upper

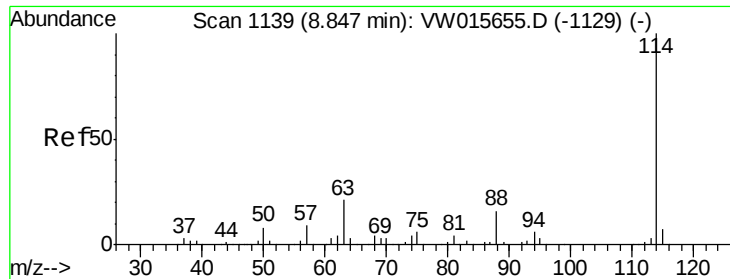
65 100

67 50.3 0.0 102.2



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

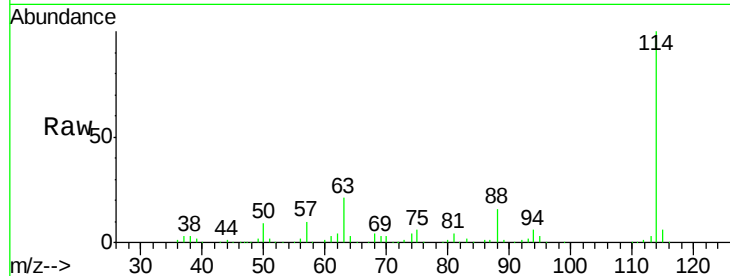




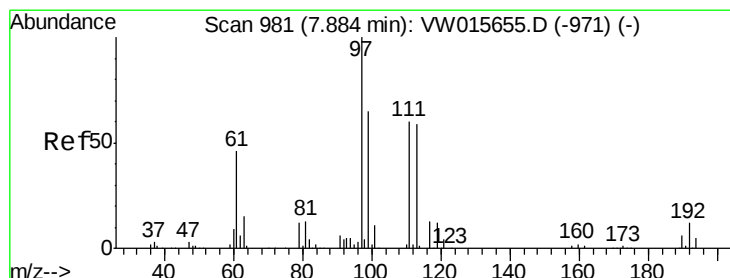
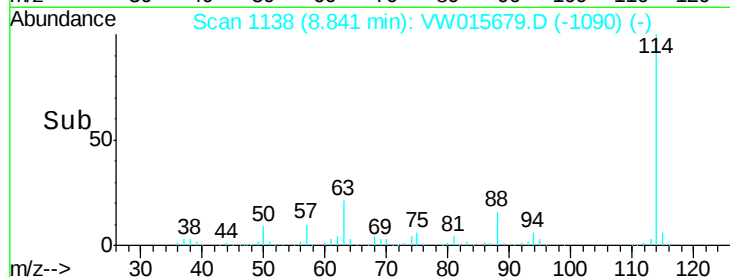
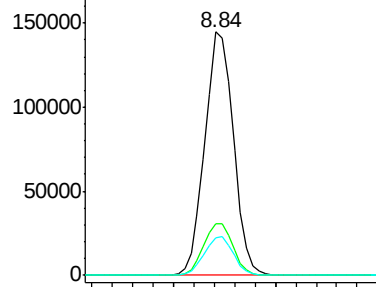
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW015679.D
Acq: 24 Jun 2020 13:35

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Tgt Ion:114 Resp: 281648
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.4
88 15.5 0.0 32.6

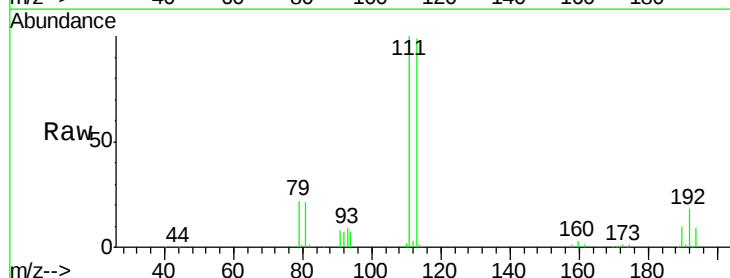


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

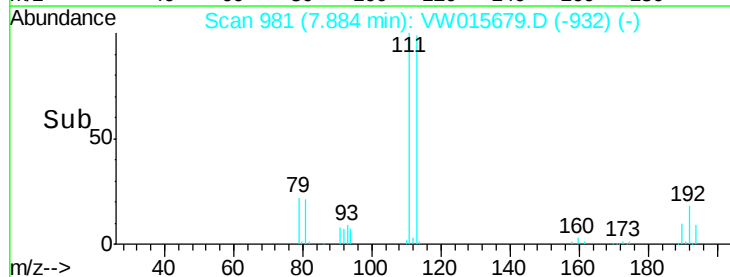
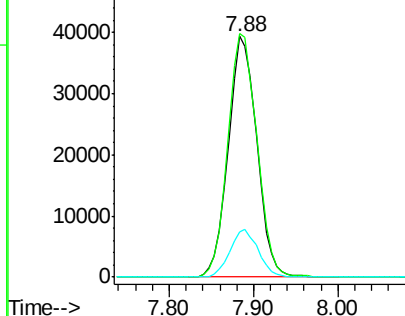


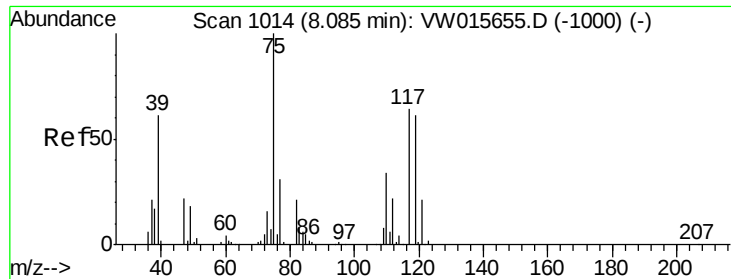
#35
Dibromofluoromethane
Concen: 51.088 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015679.D
Acq: 24 Jun 2020 13:35

Tgt Ion:113 Resp: 90510
Ion Ratio Lower Upper
113 100
111 103.1 82.3 123.5
192 19.4 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

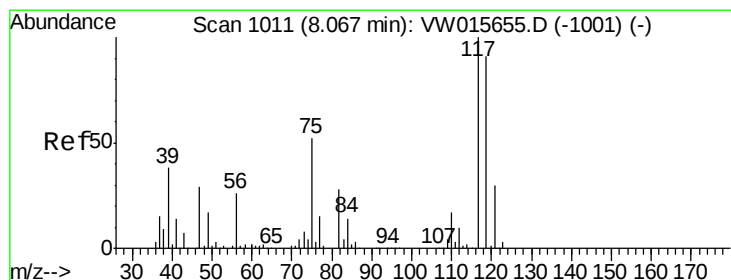
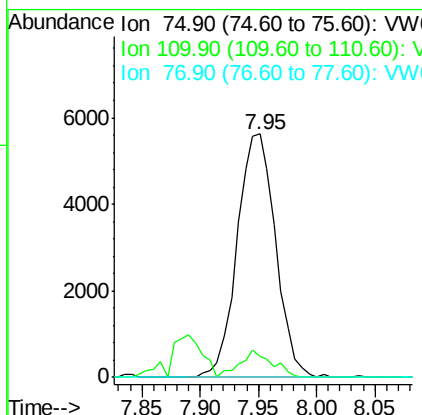
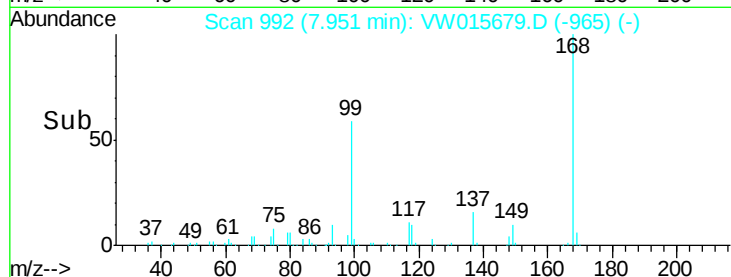
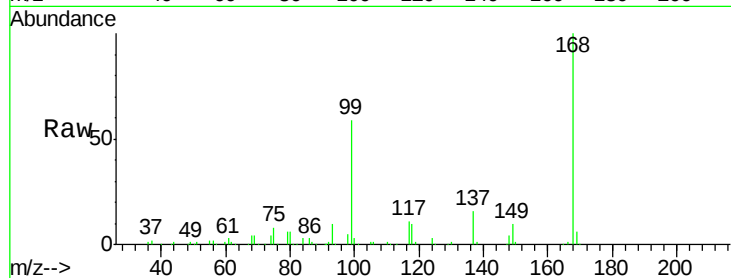




#36
 1,1-Dichloropropene
 Concen: 4.409 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015679.D
 Acq: 24 Jun 2020 13:35

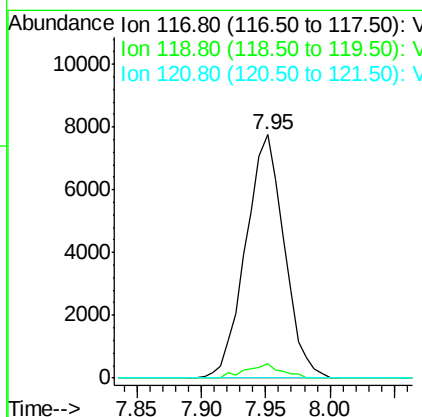
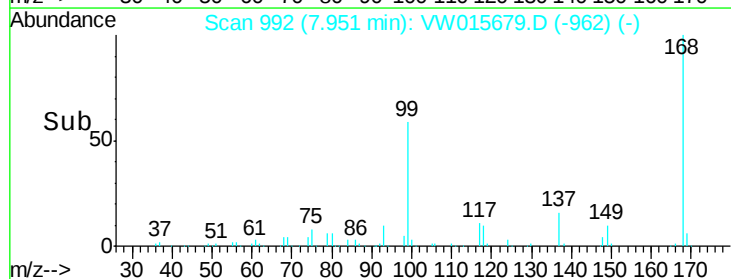
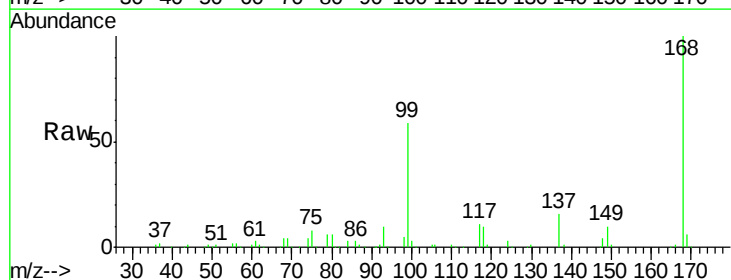
Instrument :
 MSVOA_W
 ClientSampled :
 SB-2

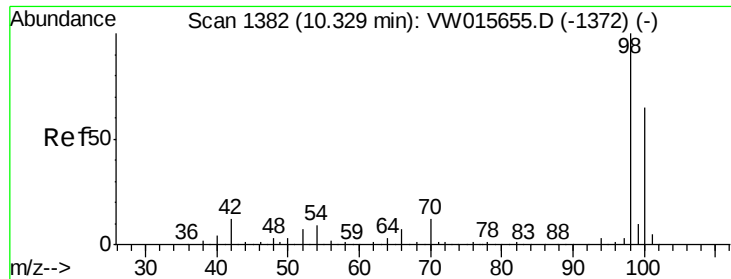
Tgt Ion: 75 Resp: 12917
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.649 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015679.D
 Acq: 24 Jun 2020 13:35

Tgt Ion: 117 Resp: 16040
 Ion Ratio Lower Upper
 117 100
 119 6.1 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 50.400 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampled :

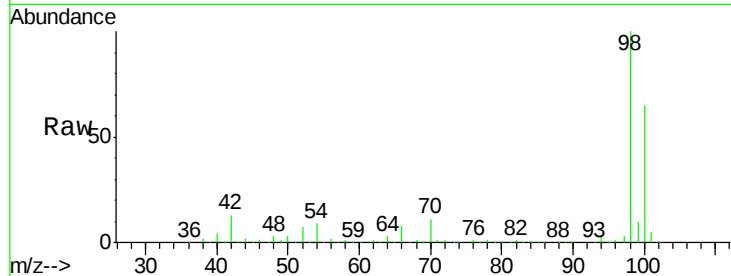
SB-2

Tgt Ion: 98 Resp: 351399

Ion Ratio Lower Upper

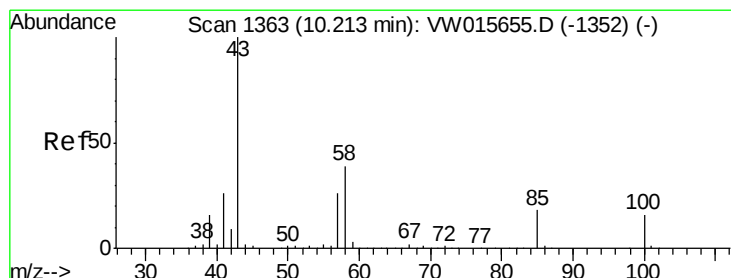
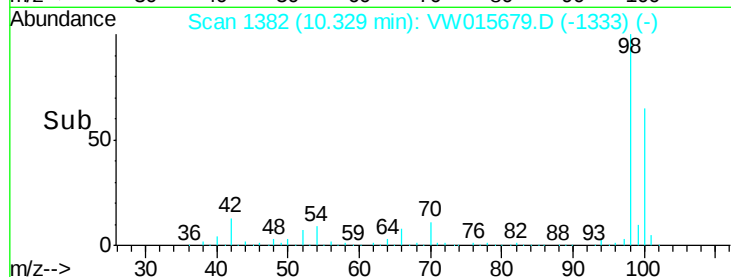
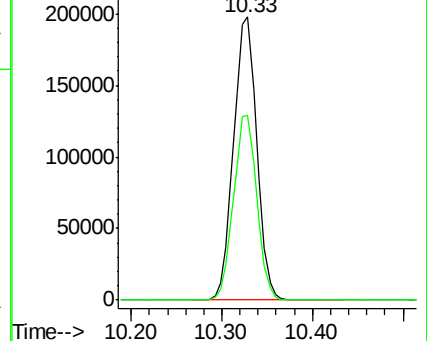
98 100

100 65.6 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: 1.621 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015679.D

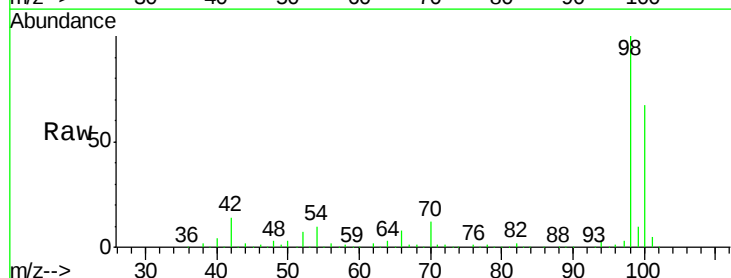
Acq: 24 Jun 2020 13:35

Tgt Ion: 43 Resp: 1745

Ion Ratio Lower Upper

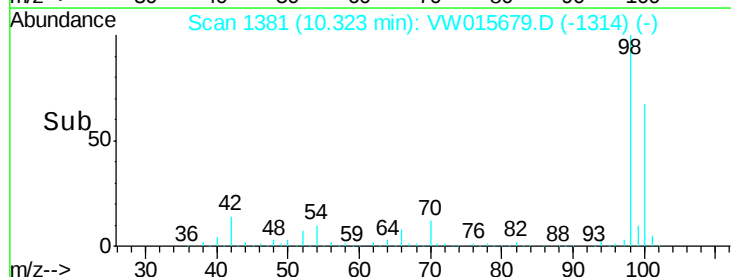
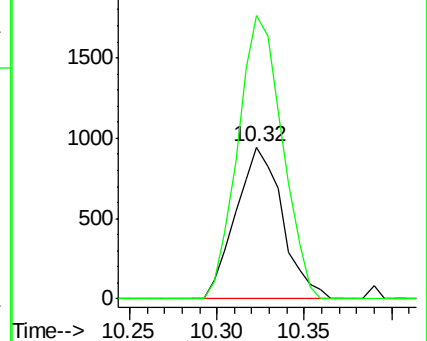
43 100

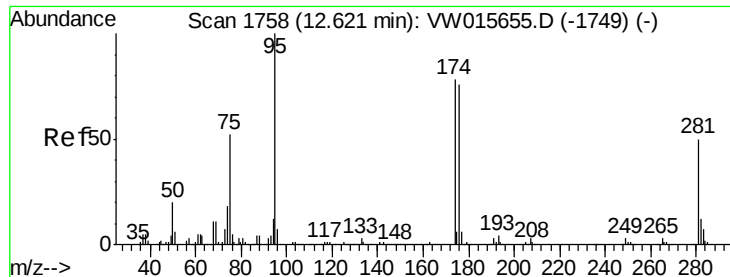
58 178.2 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 46.355 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

SB-2

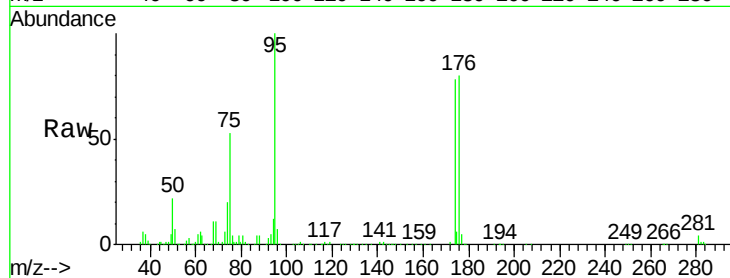
Tgt Ion: 95 Resp: 119024

Ion Ratio Lower Upper

95 100

174 79.8 0.0 157.0

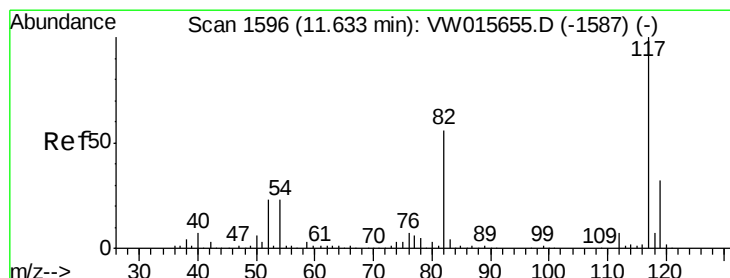
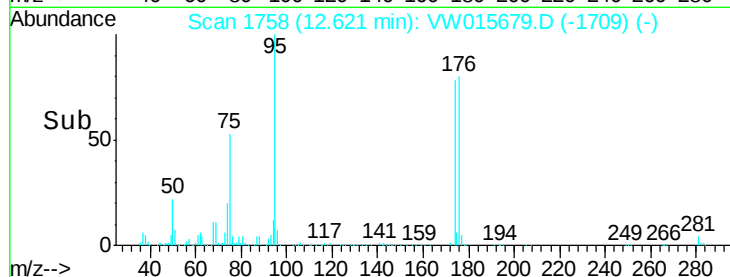
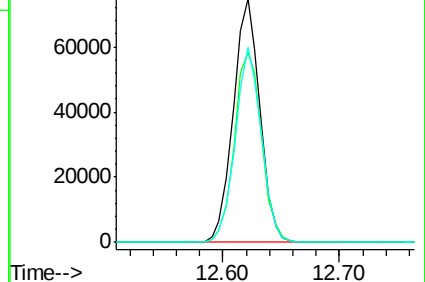
176 78.2 0.0 151.4



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: VW015679.D

Acq: 24 Jun 2020 13:35

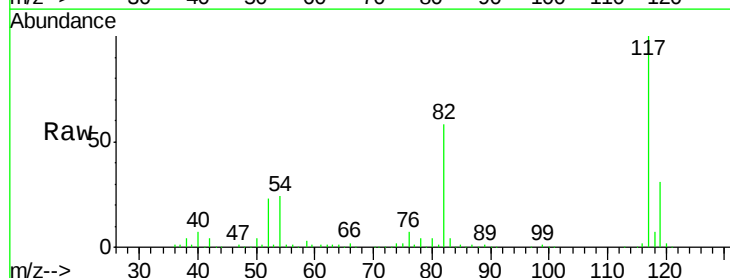
Tgt Ion: 117 Resp: 261535

Ion Ratio Lower Upper

117 100

82 57.5 45.1 67.7

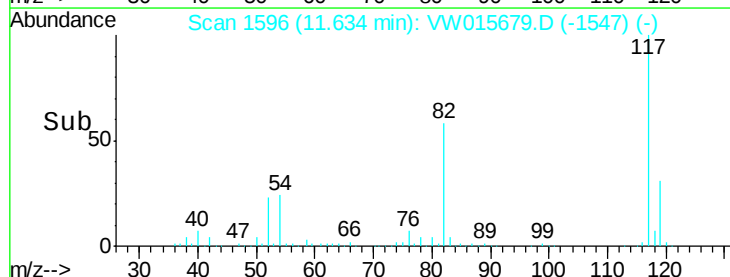
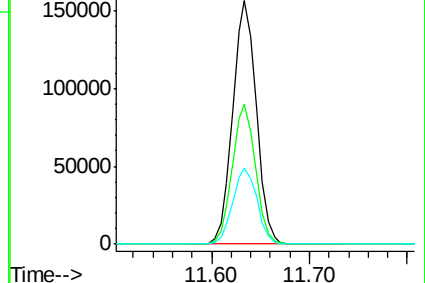
119 31.5 25.8 38.8

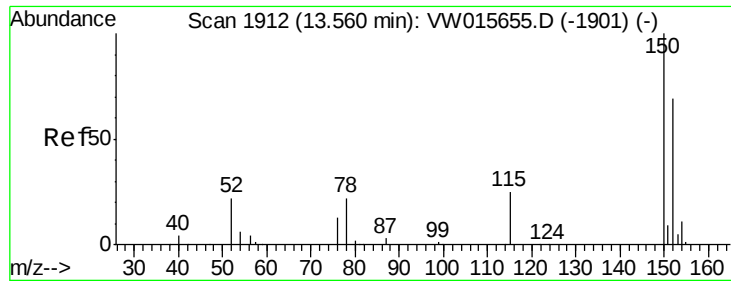


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW015679.D

Acq: 24 Jun 2020 13:35

Instrument :

MSVOA_W

ClientSampleId :

SB-2

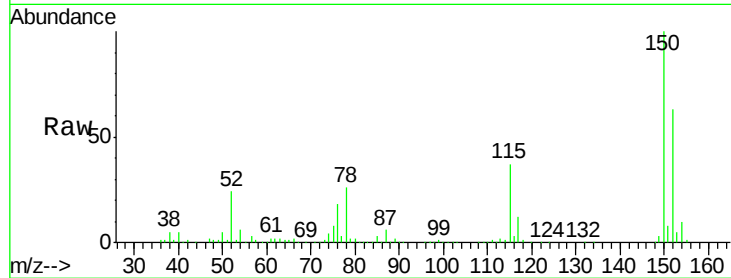
Tgt Ion:152 Resp: 117101

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.5

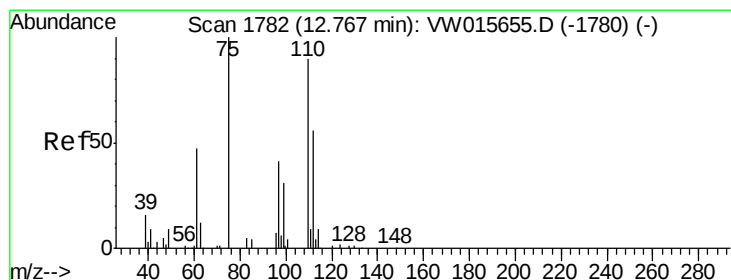
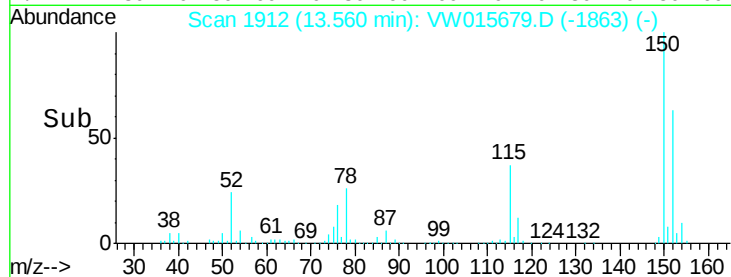
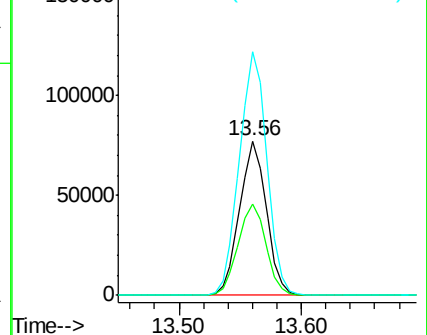
150 162.6 0.0 345.6



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: 61.252 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015679.D

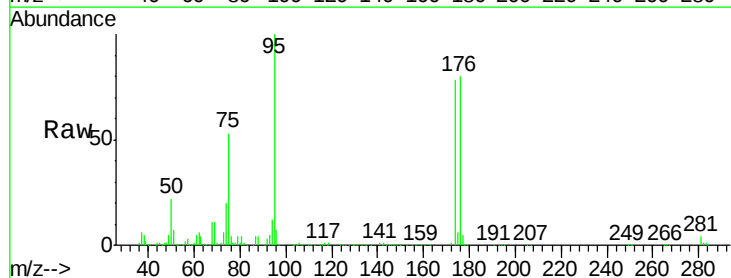
Acq: 24 Jun 2020 13:35

Tgt Ion: 75 Resp: 65425

Ion Ratio Lower Upper

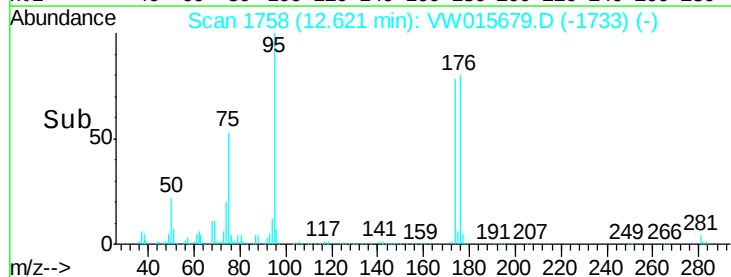
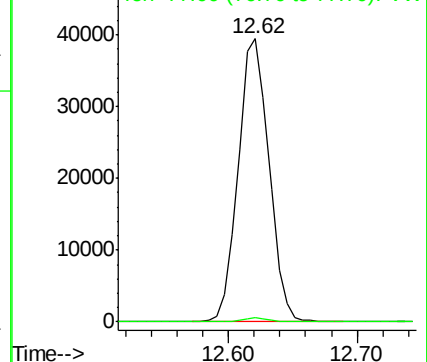
75 100

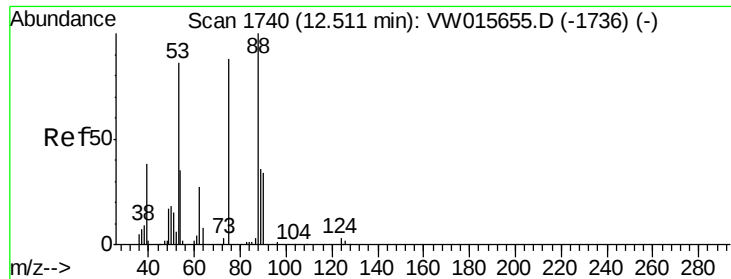
77 1.3 179.1 537.1#



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: 154.356 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW015679.D
 Acq: 24 Jun 2020 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2

Tgt Ion: 75 Resp: 65425
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.8 125.8#
 89 0.0 36.6 55.0#

