

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015683.D
 Acq On : 24 Jun 2020 15:20
 Operator : SY/VA
 Sample : L3082-06
 Misc : 4.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-7

Quant Time: Jun 25 02:04:17 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	150088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	270220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108549	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	103019	61.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.38%	
35) Dibromofluoromethane	7.88	113	87644	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
50) Toluene-d8	10.32	98	338422	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.62	95	111778	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	

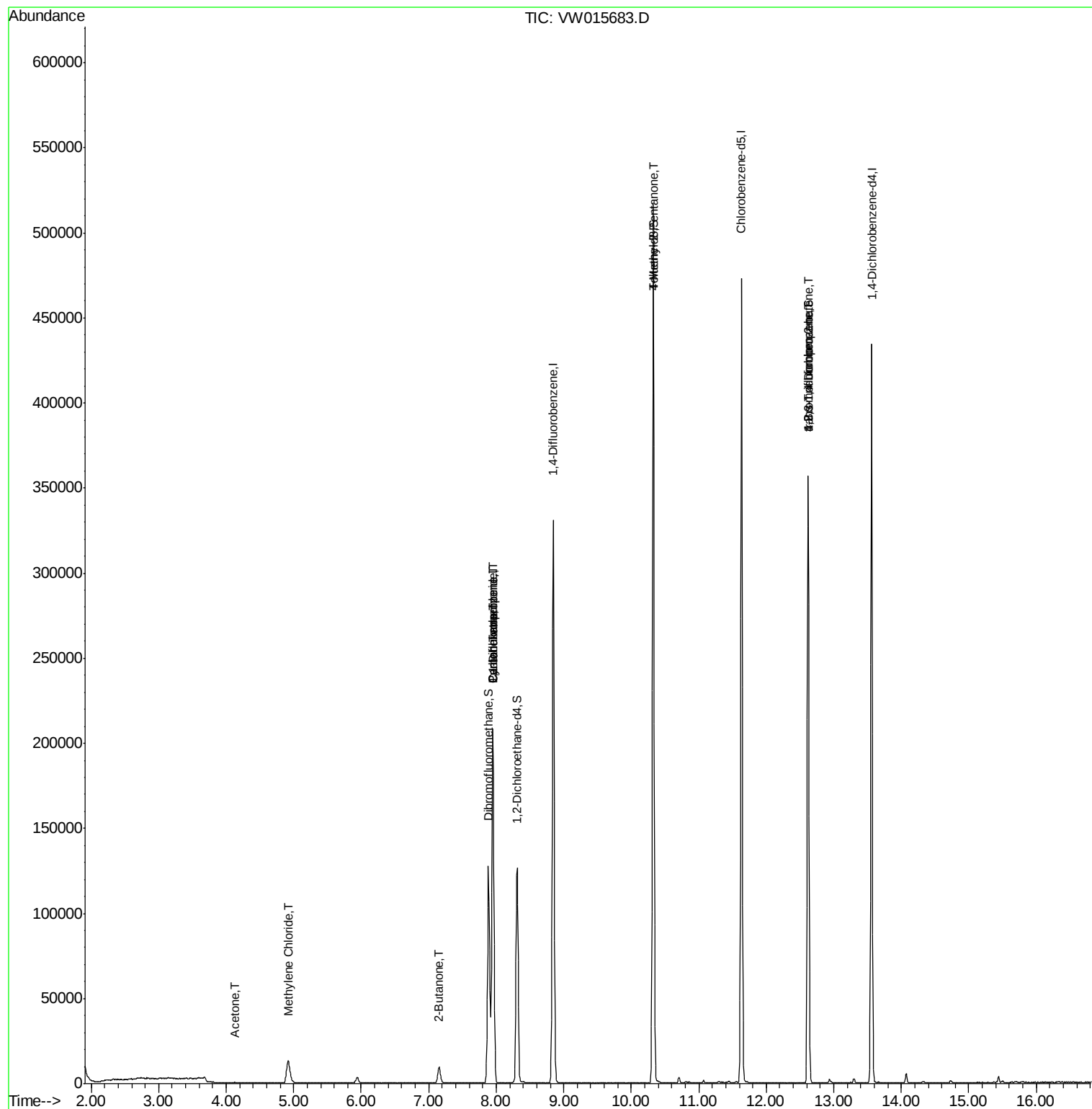
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	20	Below Cal	#	72
16) Acetone	4.13	43	757	2.385	ug/l #	89
18) Methyl Acetate	4.70	43	62	Below Cal	#	52
20) Methylene Chloride	4.92	84	11529	3.189	ug/l	94
25) 2-Butanone	7.15	43	556	1.296	ug/l #	49
31) Cyclohexane	7.95	56	3729	1.296	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	12727	4.528	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15468	5.678	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	1677	1.624	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	61672	62.287	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	61672	156.964	ug/l #	8

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

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Quant Time: Jun 25 02:04:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
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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: VW015683.D

Acq: 24 Jun 2020 15:20

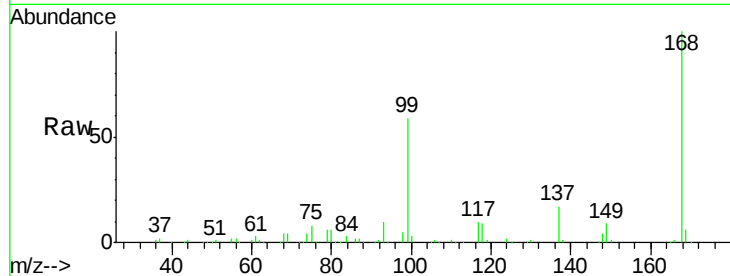
Instrument :
MSVOA_W
ClientSampled :
SB-7

Tgt Ion: 168 Resp: 150088

Ion Ratio Lower Upper

168 100

99 58.8 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

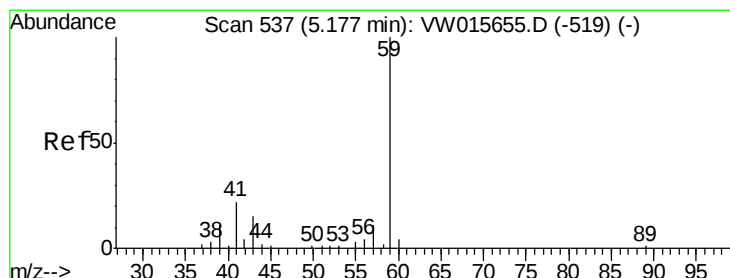
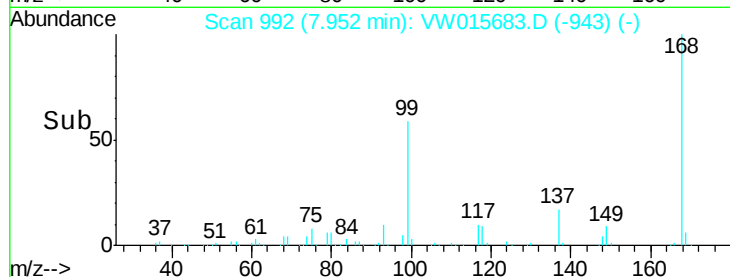
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW015683.D

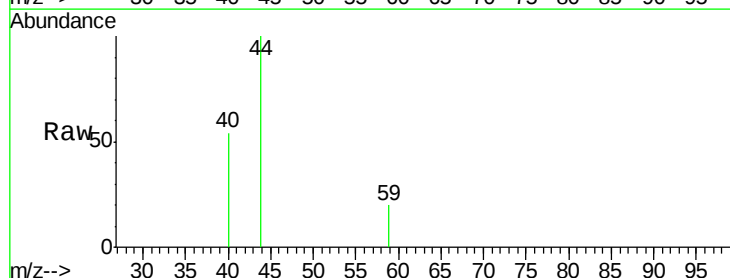
Acq: 24 Jun 2020 15:20

Tgt Ion: 59 Resp: 20

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

5.17

80

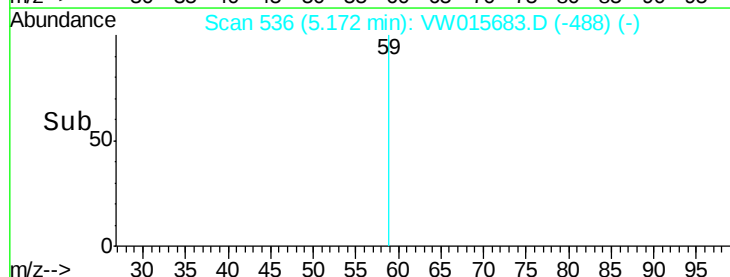
60

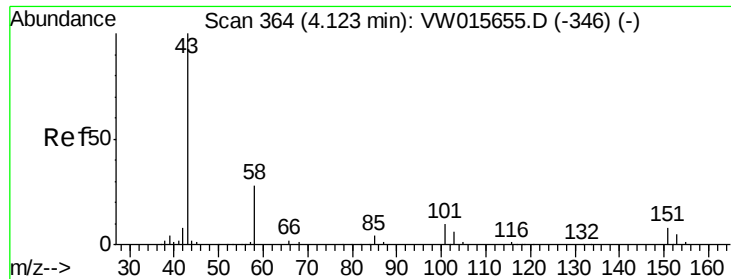
40

20

0

Time-->





#16

Acetone

Concen: 2.385 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015683.D

Acq: 24 Jun 2020 15:20

Instrument :

MSVOA_W

ClientSampled :

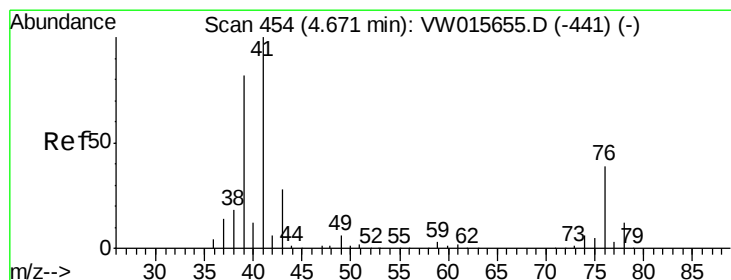
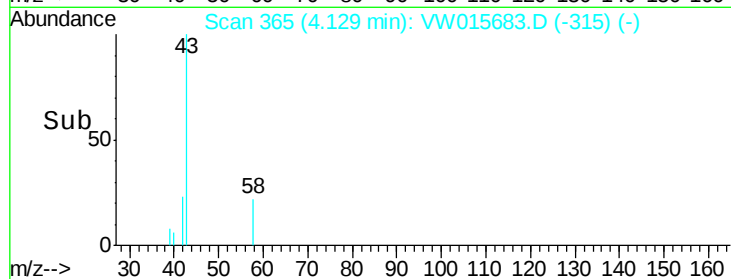
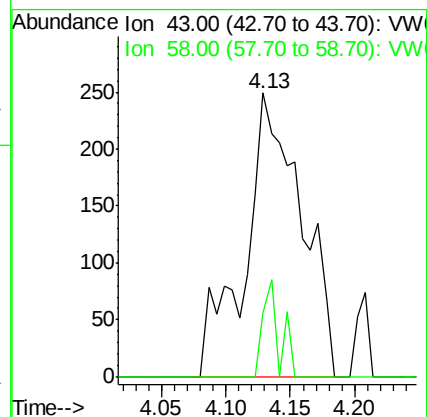
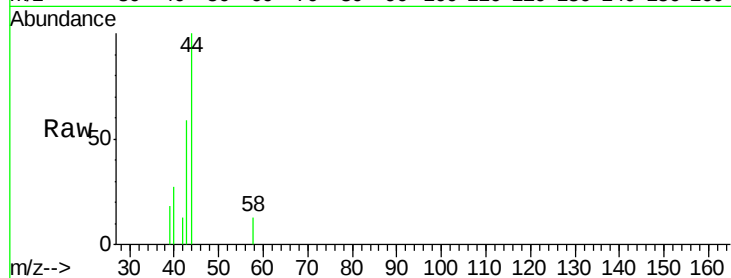
SB-7

Tgt Ion: 43 Resp: 757

Ion Ratio Lower Upper

43 100

58 22.5 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.70 min Scan# 458

Delta R.T. 0.03 min

Lab File: VW015683.D

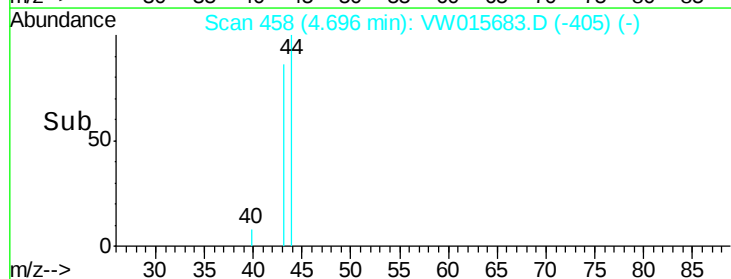
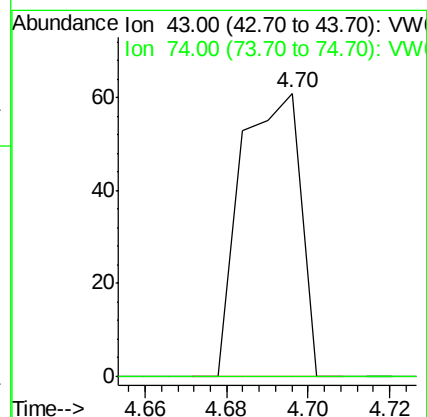
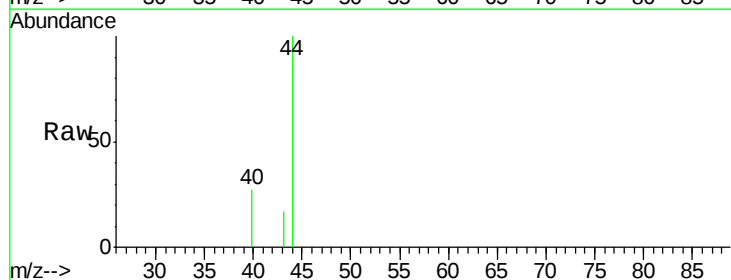
Acq: 24 Jun 2020 15:20

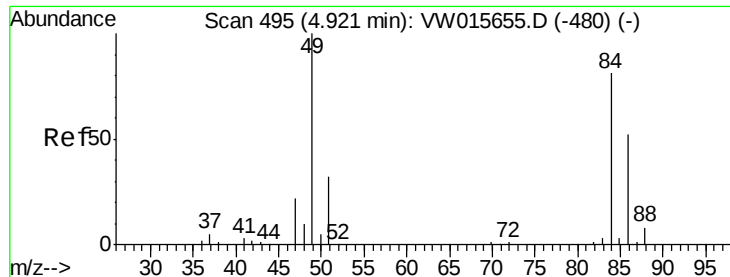
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

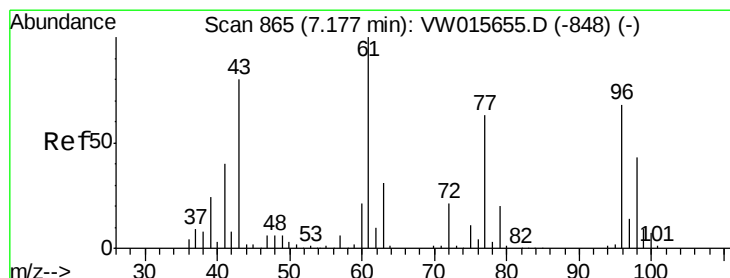
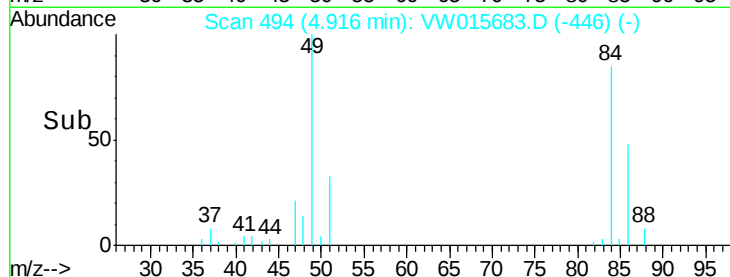
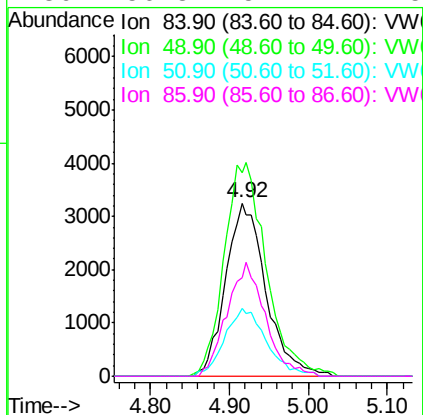
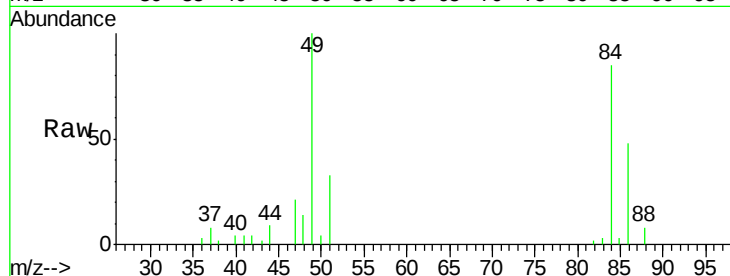




#20
Methylene Chloride
Concen: 3.189 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015683.D
Acq: 24 Jun 2020 15:20

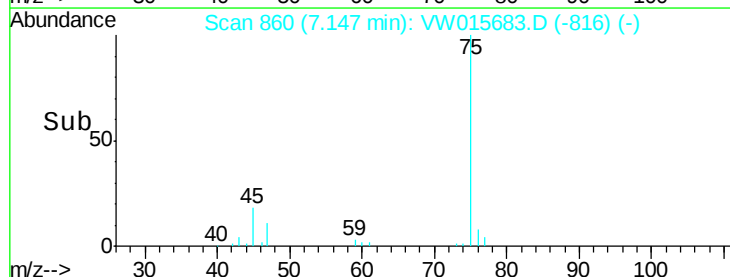
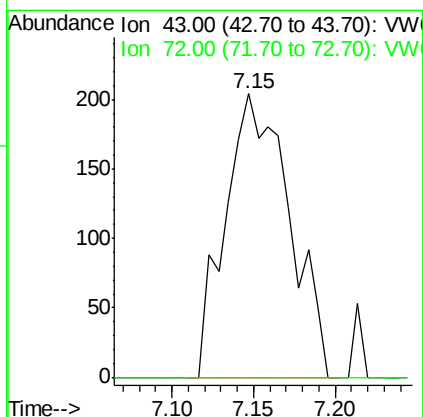
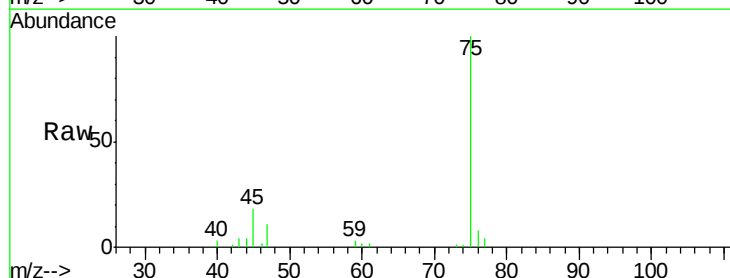
Instrument :
MSVOA_W
ClientSampleId :
SB-7

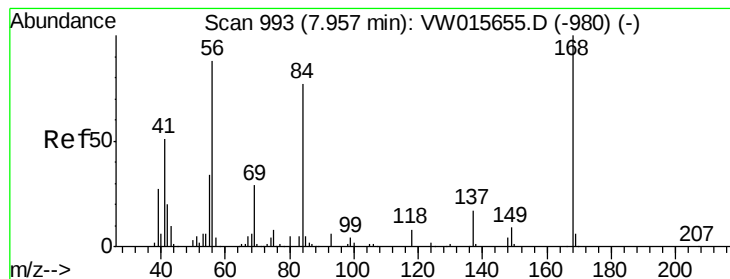
Tgt Ion:	84	Resp:	11529
Ion	Ratio	Lower	Upper
84	100		
49	117.8	99.3	148.9
51	39.0	31.8	47.6
86	56.8	51.7	77.5



#25
2-Butanone
Concen: 1.296 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW015683.D
Acq: 24 Jun 2020 15:20

Tgt Ion:	43	Resp:	556
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#31

Cyclohexane

Concen: 1.296 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015683.D

Acq: 24 Jun 2020 15:20

Instrument :

MSVOA_W

ClientSampled :

SB-7

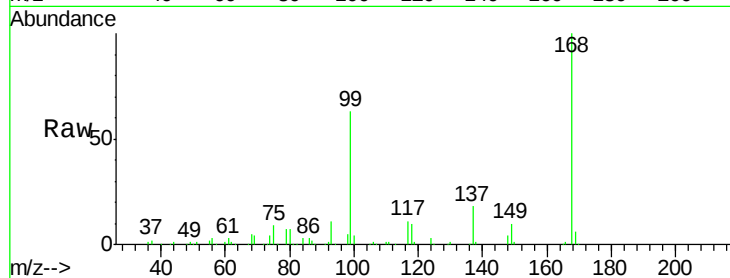
Tgt Ion: 56 Resp: 3729

Ion Ratio Lower Upper

56 100

69 149.2 26.2 39.4#

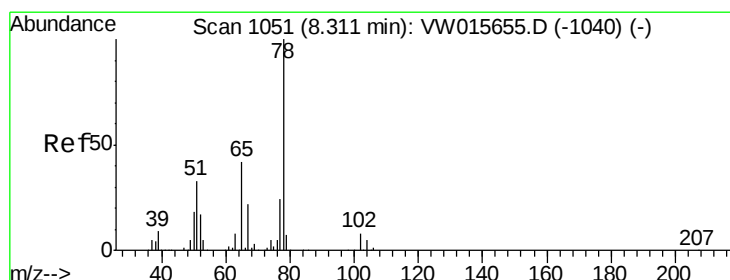
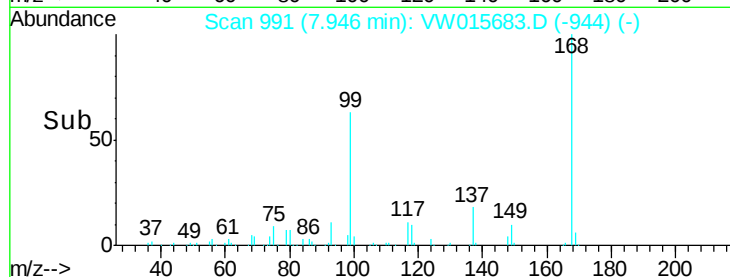
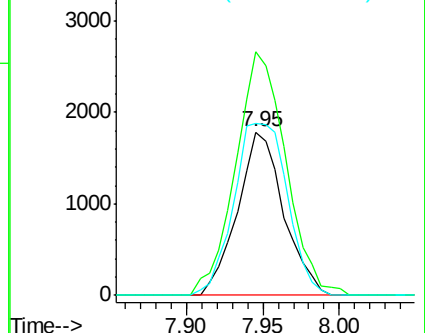
84 105.1 70.4 105.6



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: 61.690 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015683.D

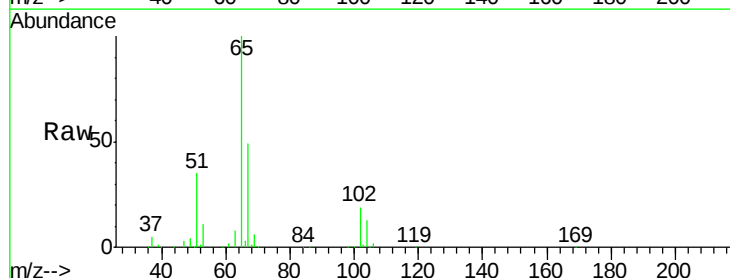
Acq: 24 Jun 2020 15:20

Tgt Ion: 65 Resp: 103019

Ion Ratio Lower Upper

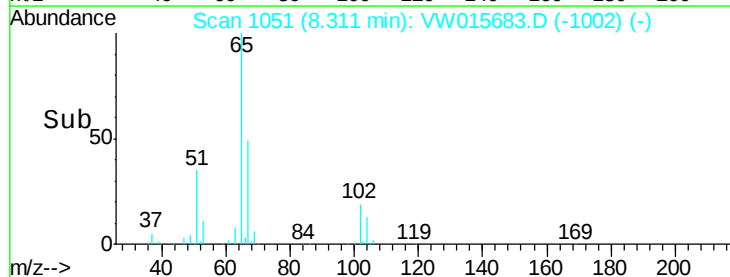
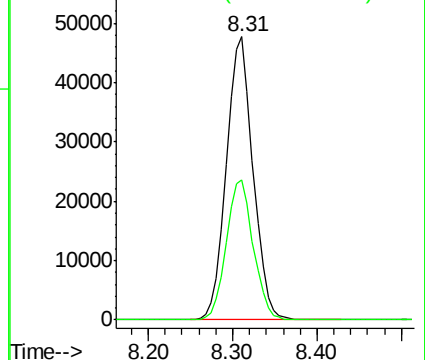
65 100

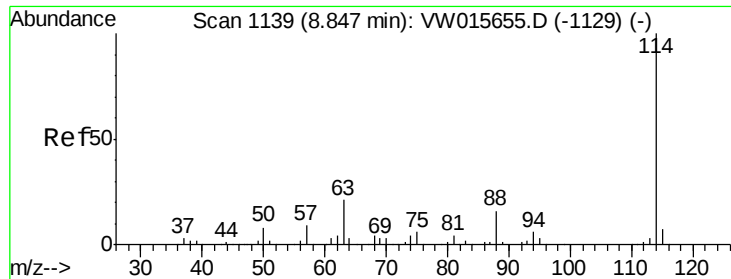
67 50.1 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

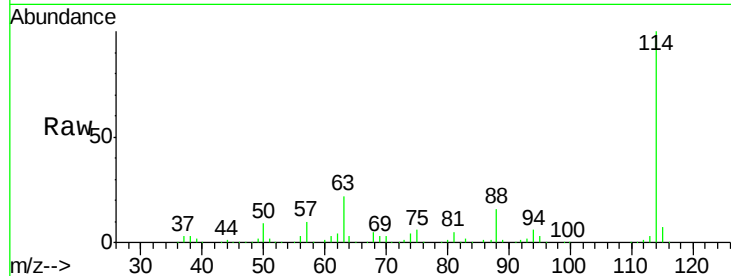




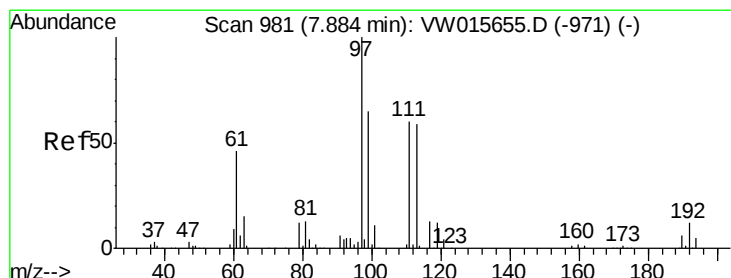
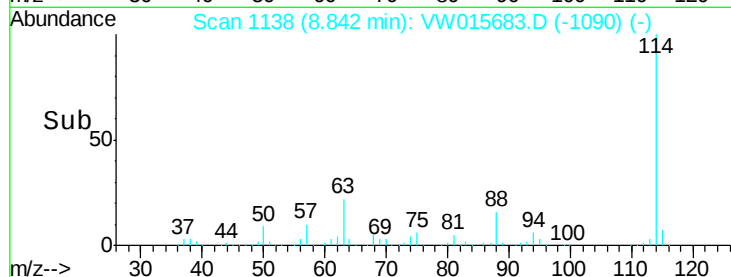
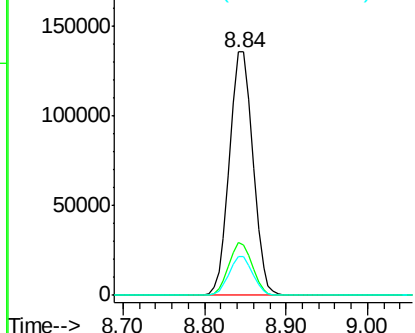
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW015683.D
Acq: 24 Jun 2020 15:20

Instrument :
MSVOA_W
ClientSampleId :
SB-7

Tgt Ion:114 Resp: 270220
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.4
88 16.1 0.0 32.6

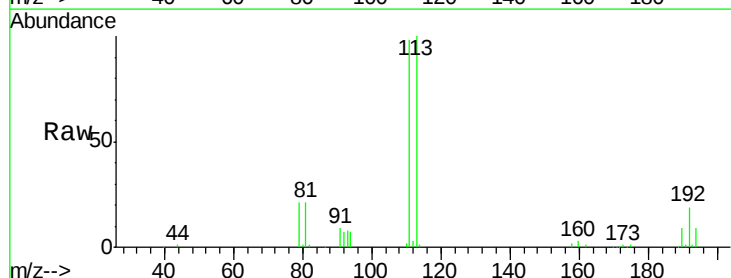


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

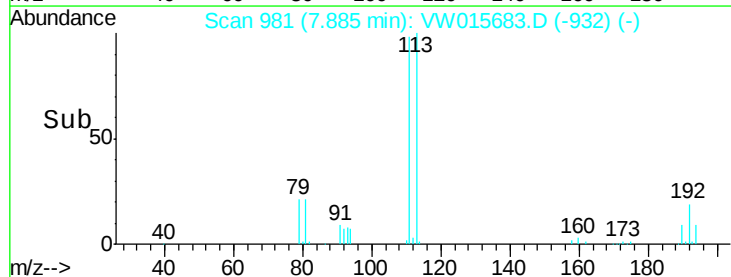
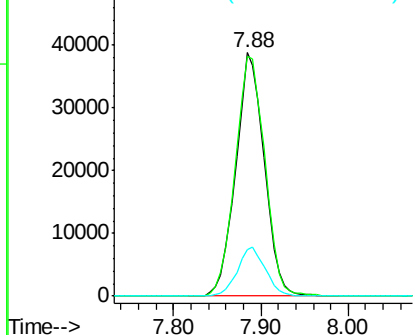


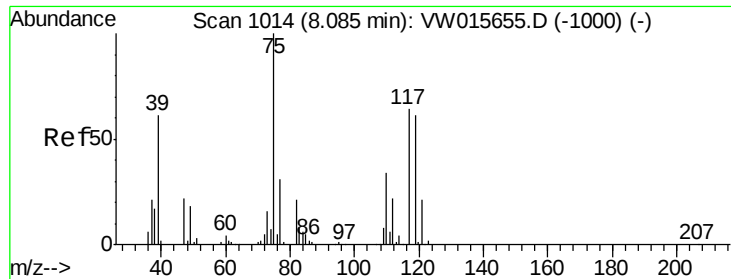
#35
Dibromofluoromethane
Concen: 51.562 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015683.D
Acq: 24 Jun 2020 15:20

Tgt Ion:113 Resp: 87644
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 19.7 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

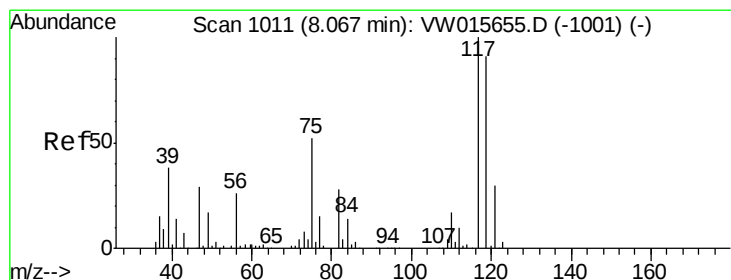
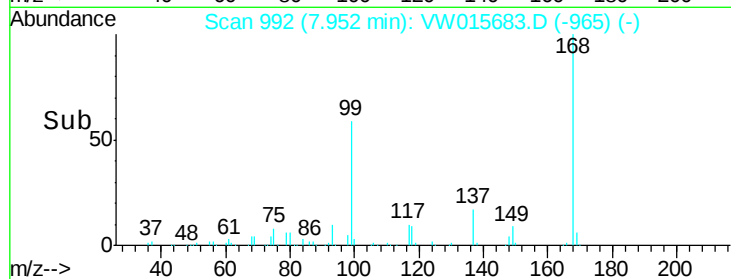
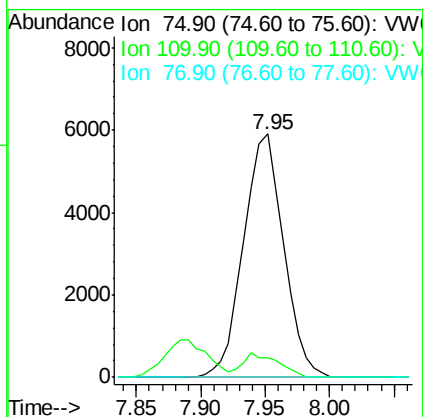
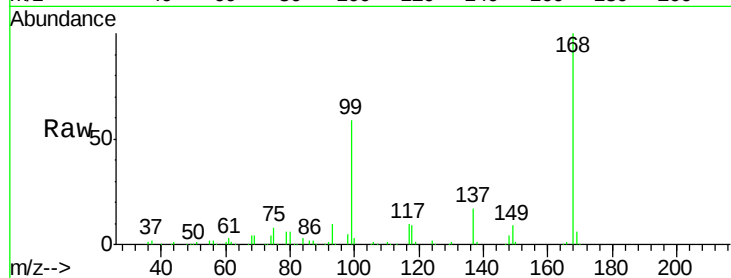




#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015683.D
 Acq: 24 Jun 2020 15:20

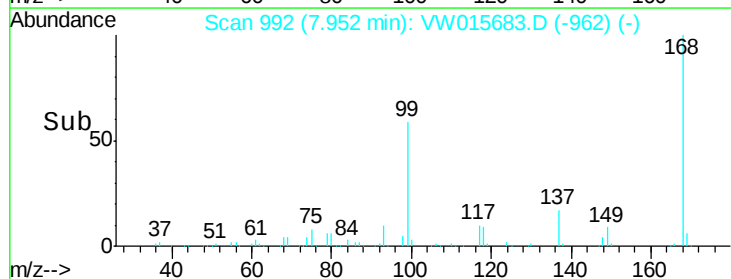
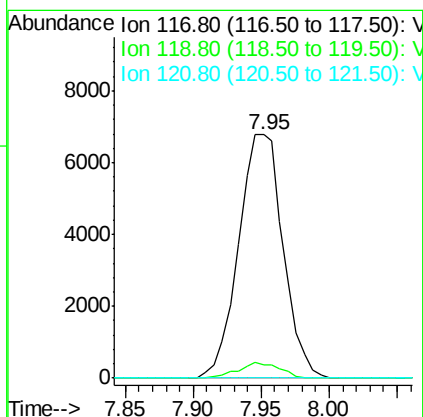
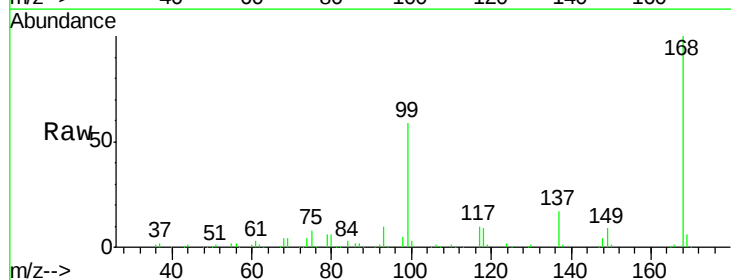
Instrument :
 MSVOA_W
 ClientSampled :
 SB-7

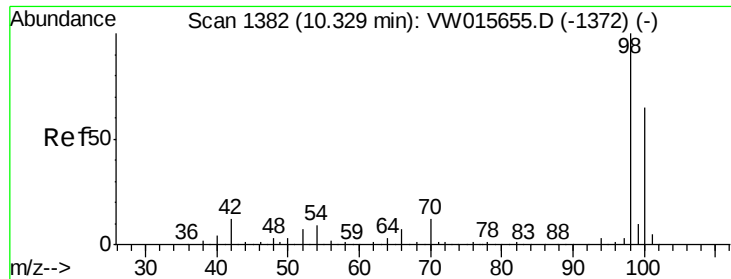
Tgt Ion: 75 Resp: 12727
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.678 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015683.D
 Acq: 24 Jun 2020 15:20

Tgt Ion: 117 Resp: 15468
 Ion Ratio Lower Upper
 117 100
 119 5.5 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 50.592 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015683.D

Acq: 24 Jun 2020 15:20

Instrument :

MSVOA_W

ClientSampled :

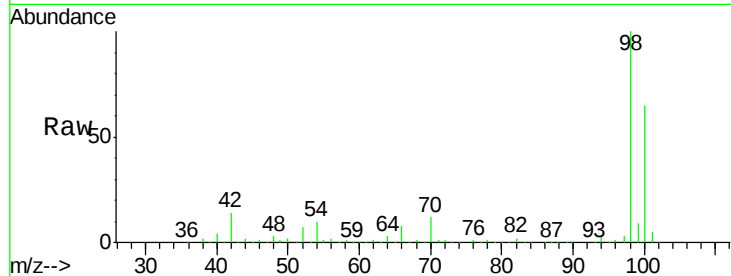
SB-7

Tgt Ion: 98 Resp: 338422

Ion Ratio Lower Upper

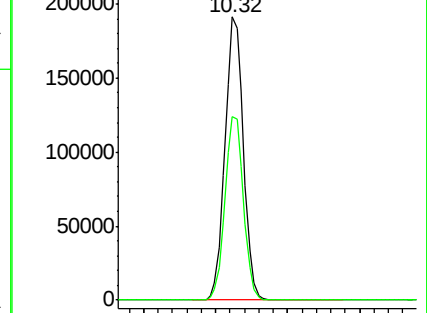
98 100

100 65.5 52.8 79.2

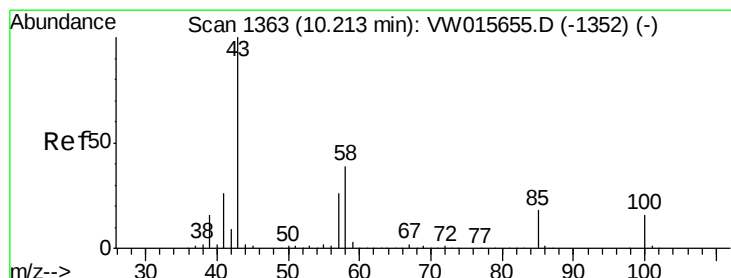
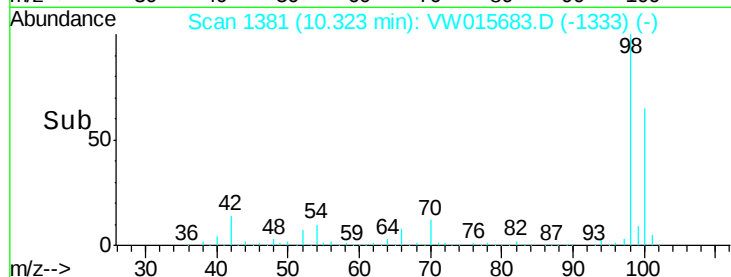


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.624 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW015683.D

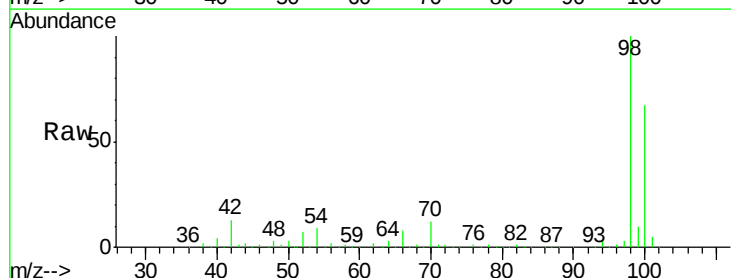
Acq: 24 Jun 2020 15:20

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

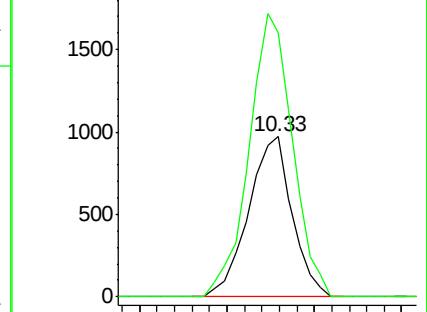
43 100

58 176.4 31.2 46.8#

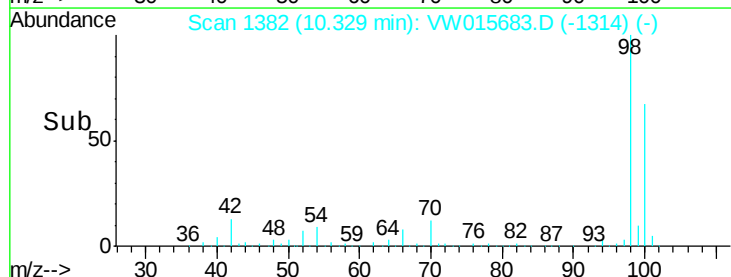


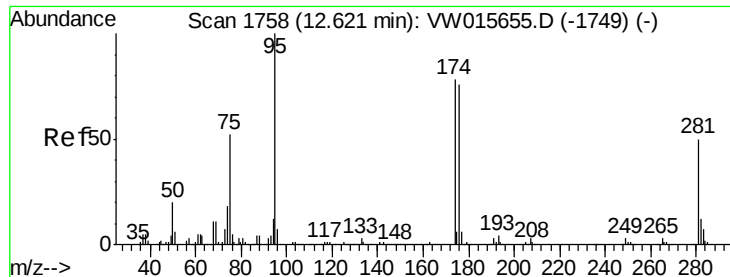
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

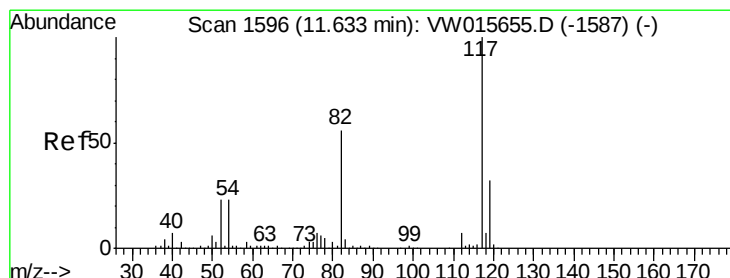
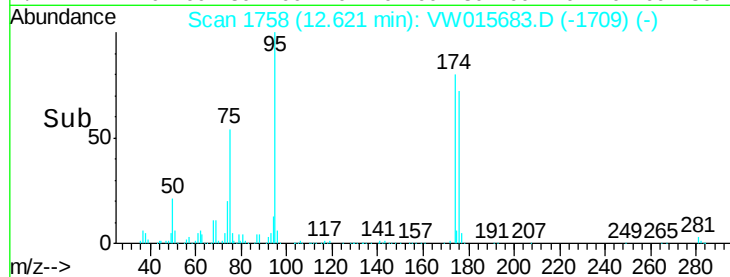
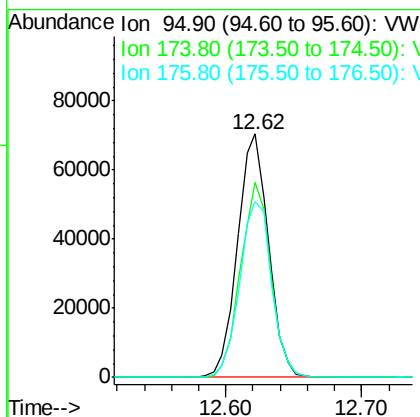
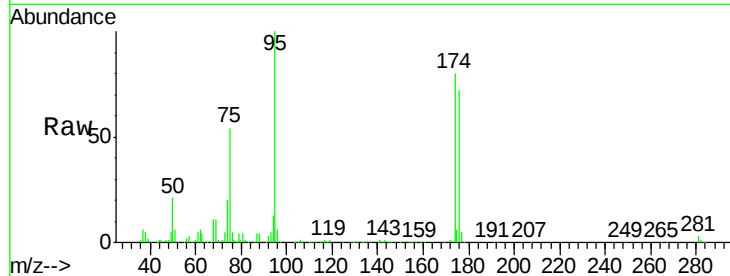




#62
4-Bromofluorobenzene
Concen: 45.374 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015683.D
Acq: 24 Jun 2020 15:20

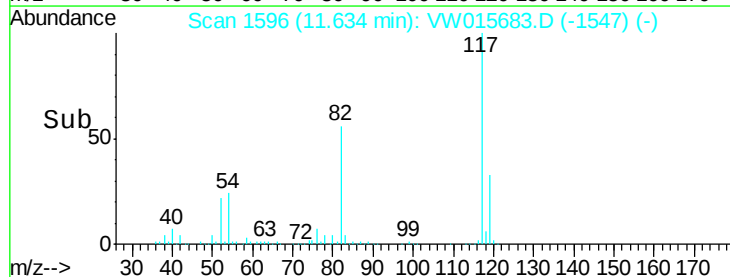
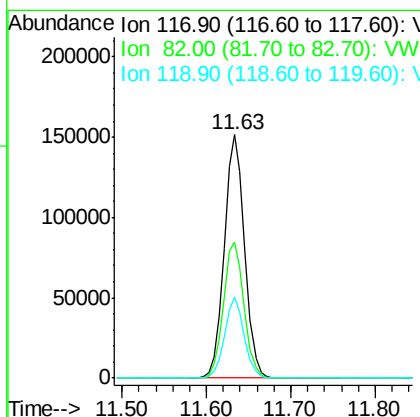
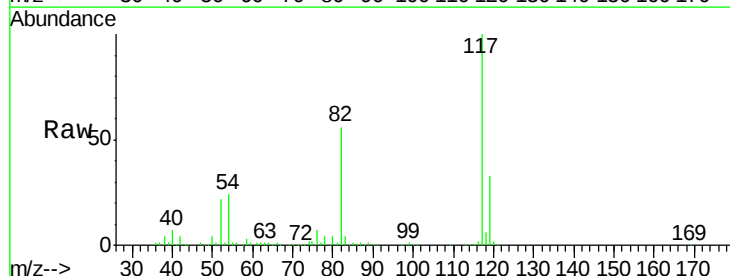
Instrument :
MSVOA_W
ClientSampleId :
SB-7

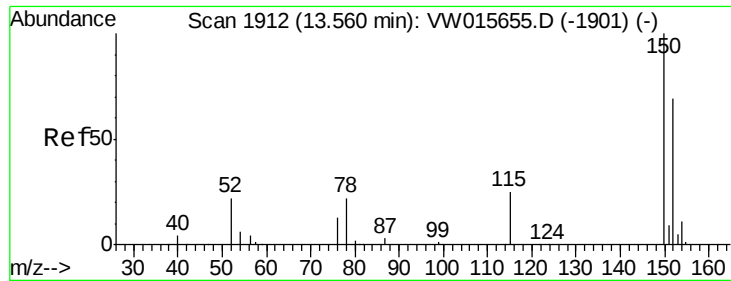
Tgt Ion: 95 Resp: 111778
Ion Ratio Lower Upper
95 100
174 78.8 0.0 157.0
176 74.9 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015683.D
Acq: 24 Jun 2020 15:20

Tgt Ion: 117 Resp: 249379
Ion Ratio Lower Upper
117 100
82 55.7 45.1 67.7
119 33.0 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: VW015683.D

Acq: 24 Jun 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7

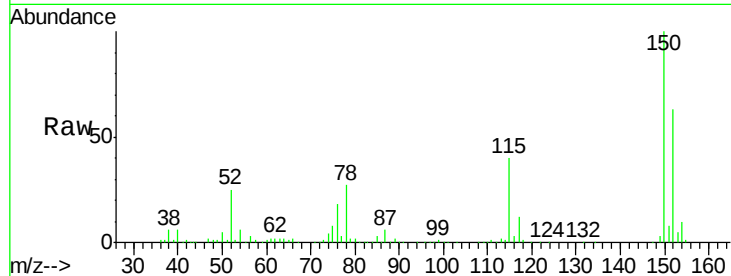
Tgt Ion:152 Resp: 108549

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.5

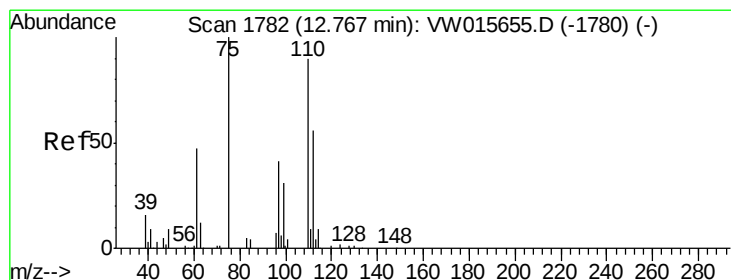
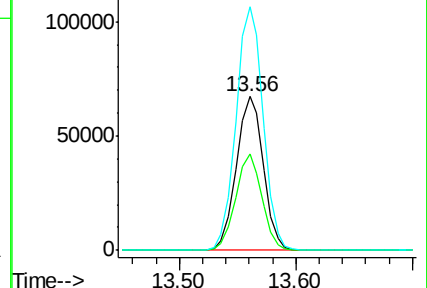
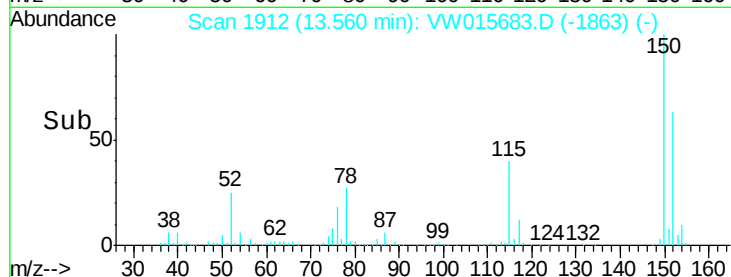
150 158.5 0.0 345.6



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: 62.287 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015683.D

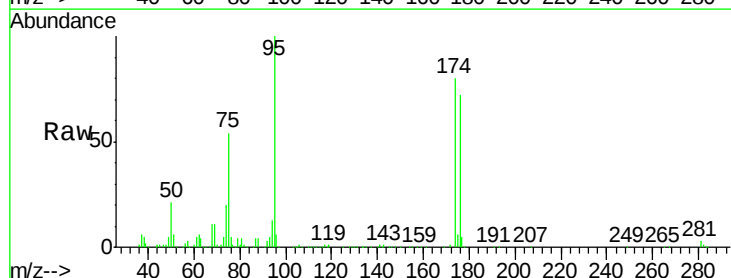
Acq: 24 Jun 2020 15:20

Tgt Ion: 75 Resp: 61672

Ion Ratio Lower Upper

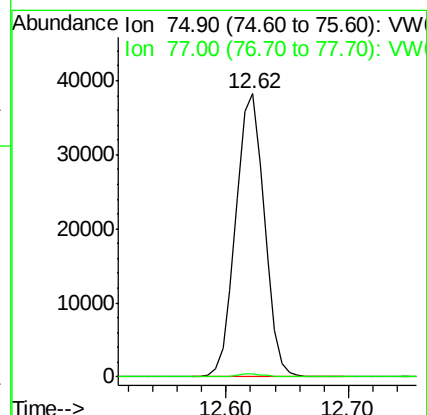
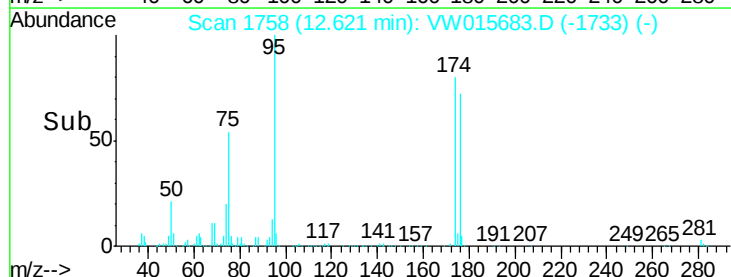
75 100

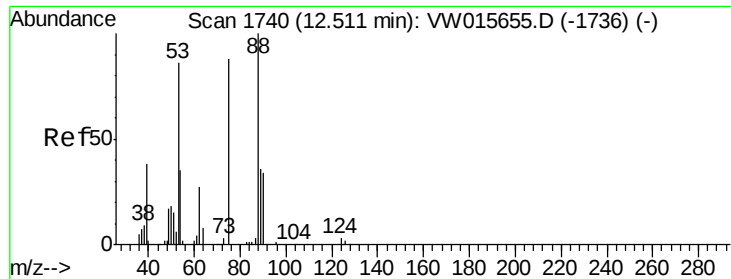
77 1.1 179.1 537.1#



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: 156.964 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015683.D

Acq: 24 Jun 2020 15:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7

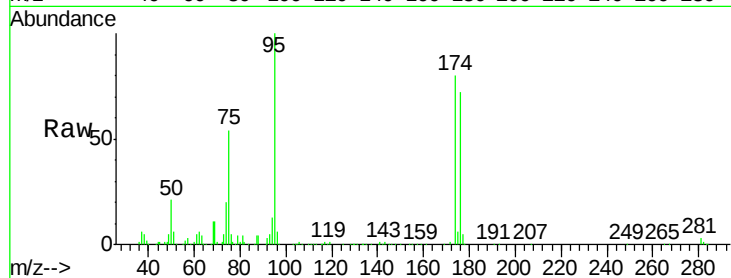
Tgt Ion: 75 Resp: 61672

Ion Ratio Lower Upper

75 100

53 0.1 83.8 125.8#

89 0.1 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

