

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015681.D
 Acq On : 24 Jun 2020 14:28
 Operator : SY/VA
 Sample : L3082-04
 Misc : 5.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

Quant Time: Jun 25 02:03:53 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	157275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	286335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121041	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	108936	62.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.50%	
35) Dibromofluoromethane	7.88	113	91853	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
50) Toluene-d8	10.32	98	353057	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	120287	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.16%	

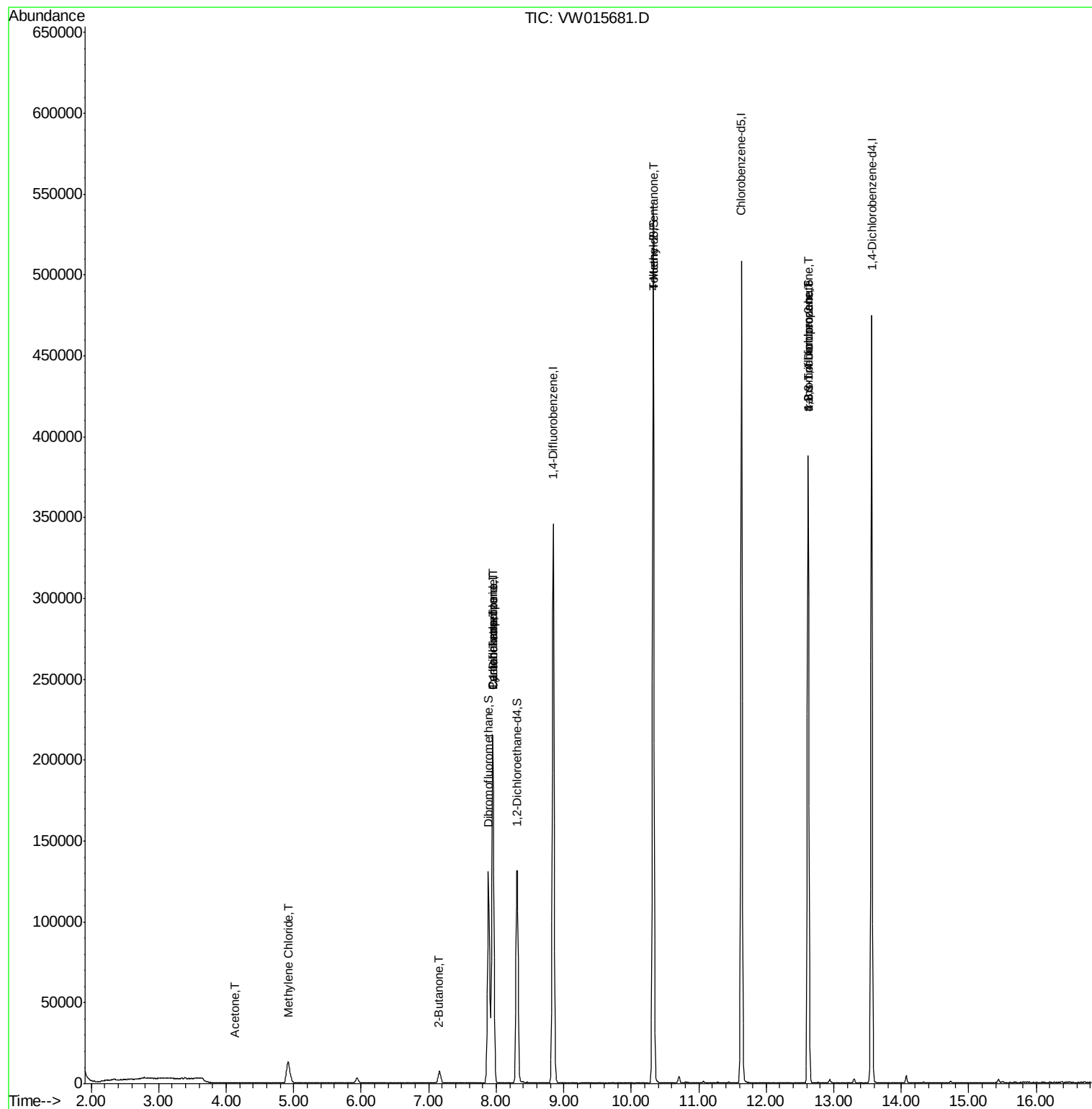
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	19	Below Cal	#	72
16) Acetone	4.14	43	372	1.118	ug/l #	47
18) Methyl Acetate	4.76	43	19	Below Cal	#	52
20) Methylene Chloride	4.92	84	11345	2.690	ug/l	97
25) 2-Butanone	7.15	43	470	1.045	ug/l #	49
31) Cyclohexane	7.95	56	3968	1.316	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	12844	4.313	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16042	5.557	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	1681	1.536	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65479	59.307	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	65479	149.454	ug/l #	8

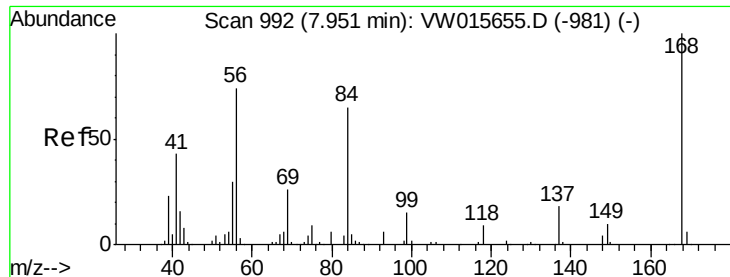
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
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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: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampled :

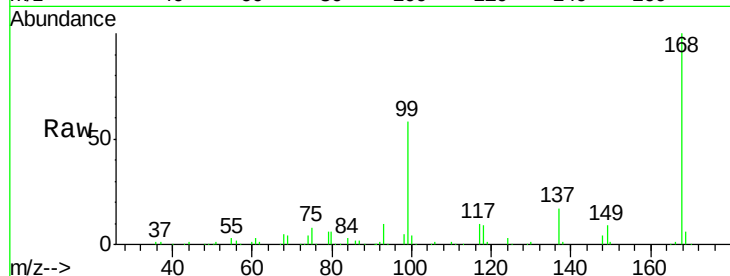
SB-4

Tgt Ion: 168 Resp: 157275

Ion Ratio Lower Upper

168 100

99 58.2 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

80000

60000

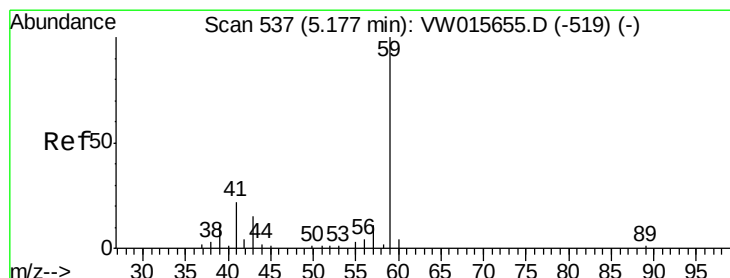
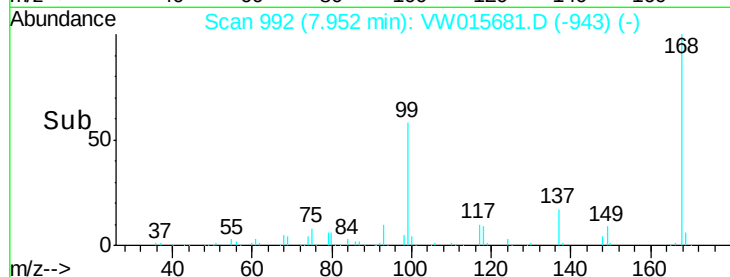
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW015681.D

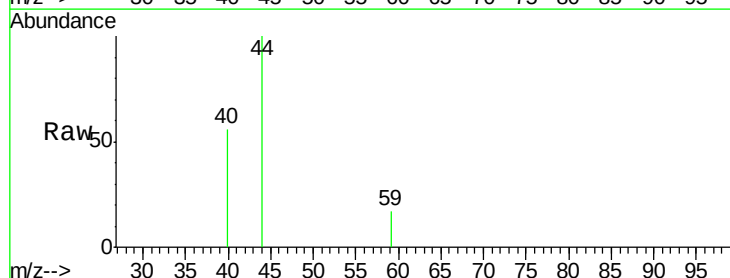
Acq: 24 Jun 2020 14:28

Tgt Ion: 59 Resp: 19

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

60

50

40

30

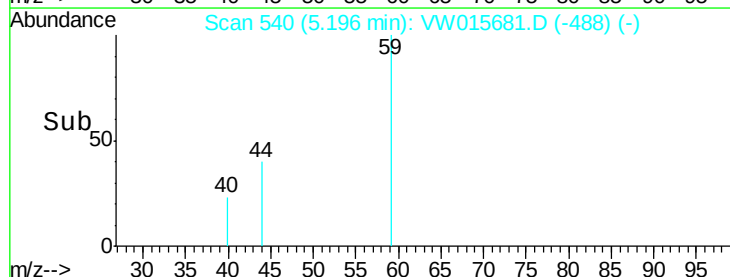
20

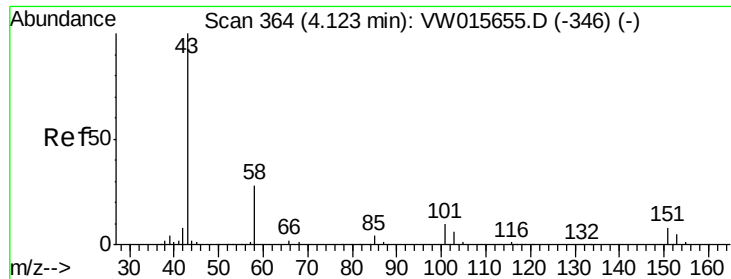
10

0

5.18 5.19 5.20 5.21

Time-->





#16

Acetone

Concen: 1.118 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampled :

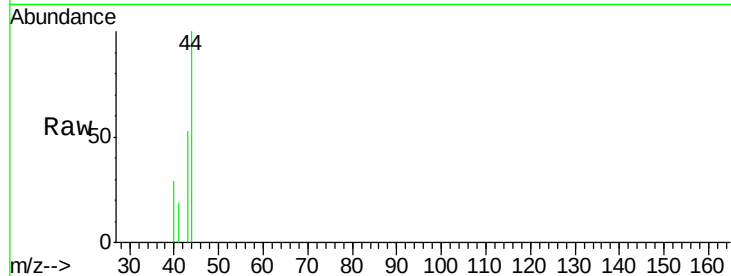
SB-4

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

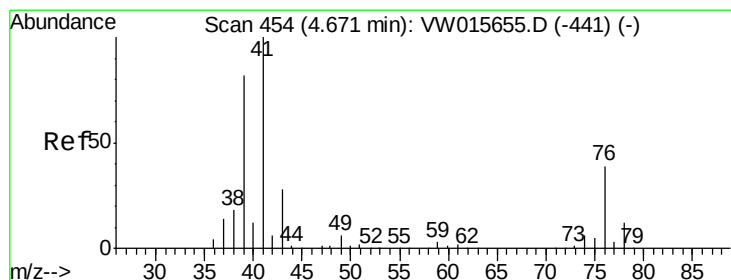
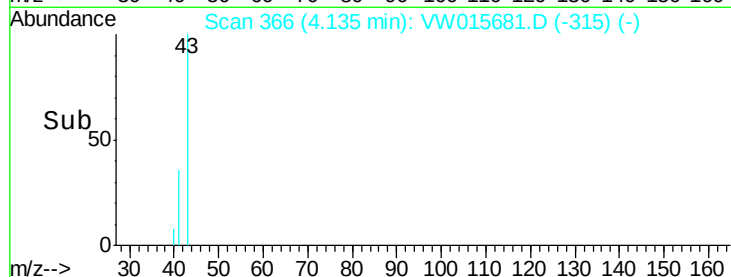
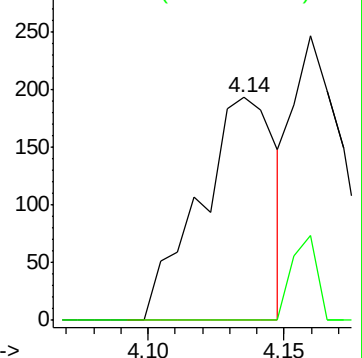
43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.76 min Scan# 469

Delta R.T. 0.09 min

Lab File: VW015681.D

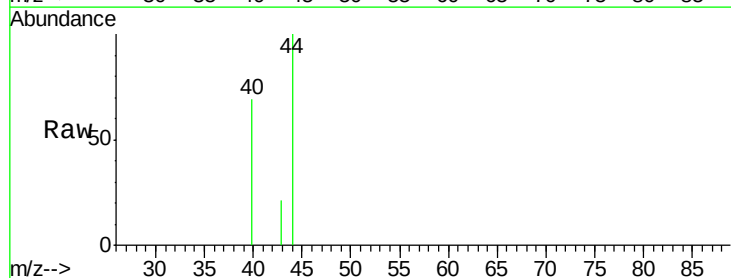
Acq: 24 Jun 2020 14:28

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

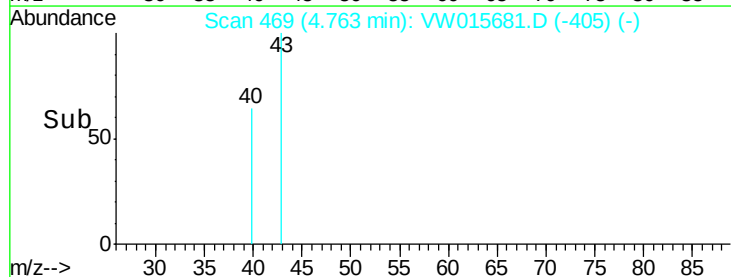
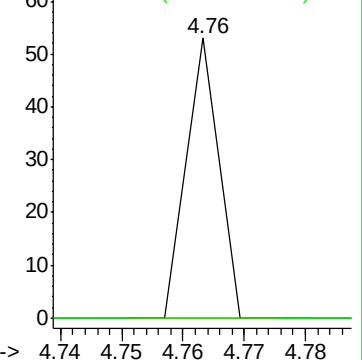
43 100

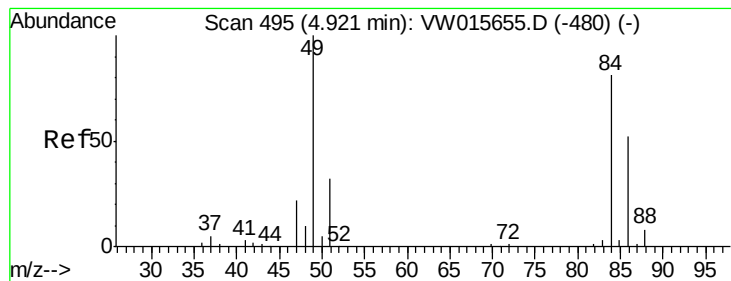
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 2.690 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampled :

SB-4

Tgt Ion: 84 Resp: 11345

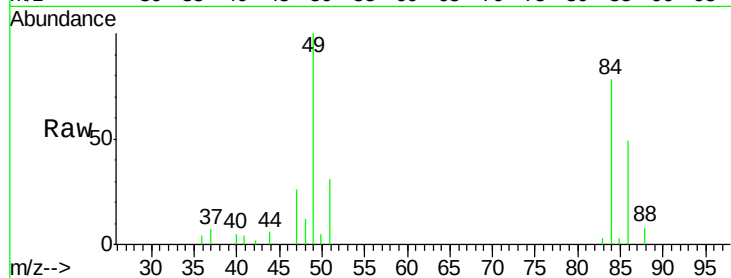
Ion Ratio Lower Upper

84 100

49 127.6 99.3 148.9

51 39.9 31.8 47.6

86 62.5 51.7 77.5

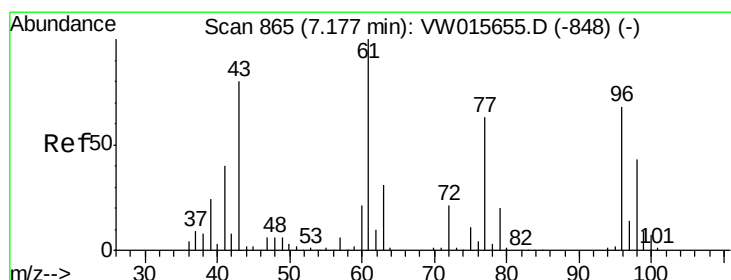
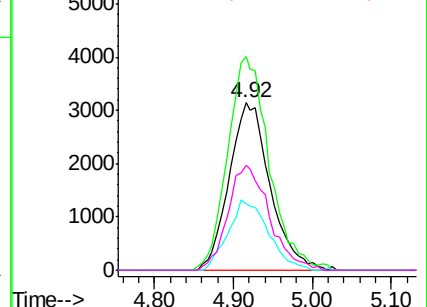
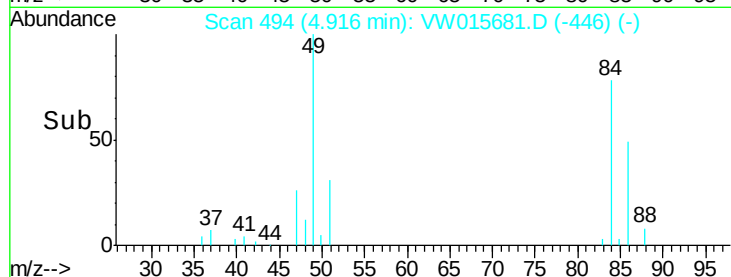


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.045 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW015681.D

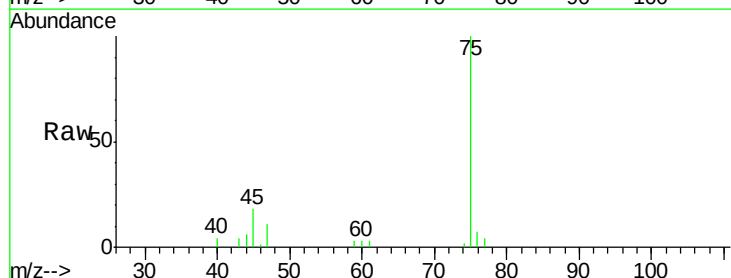
Acq: 24 Jun 2020 14:28

Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

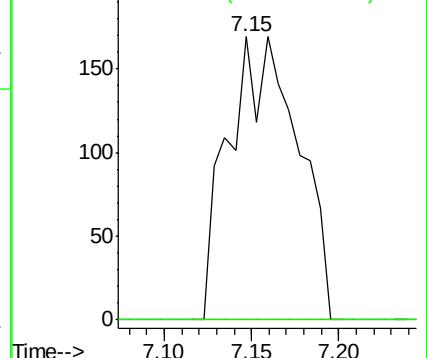
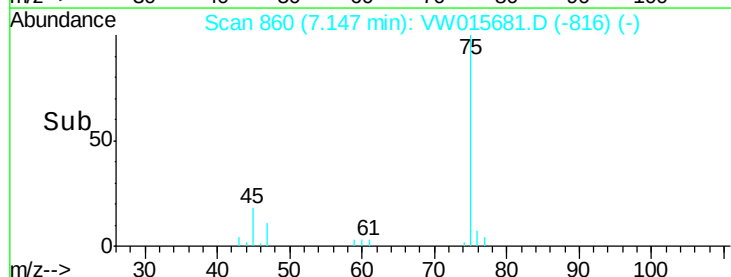
43 100

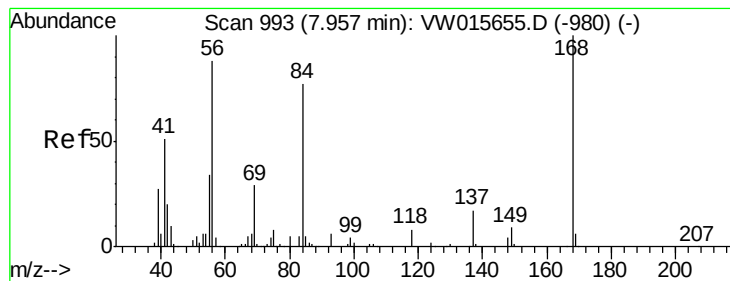
72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampled :

SB-4

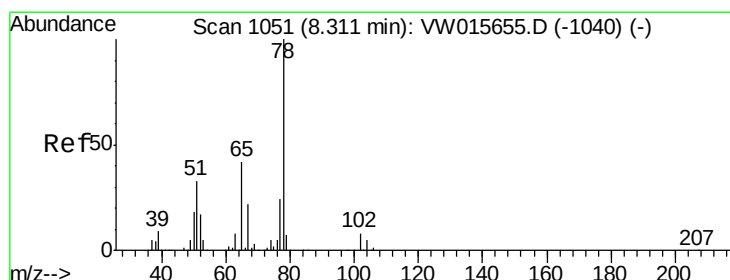
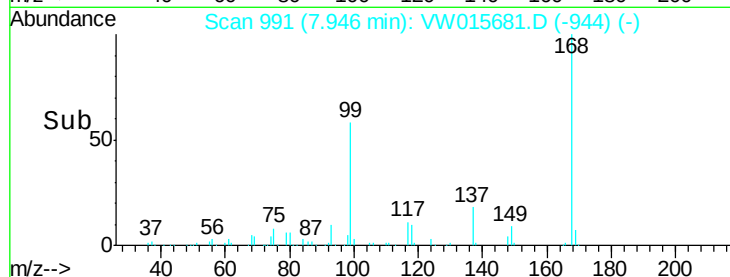
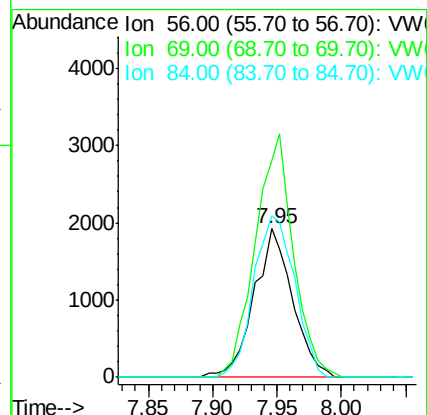
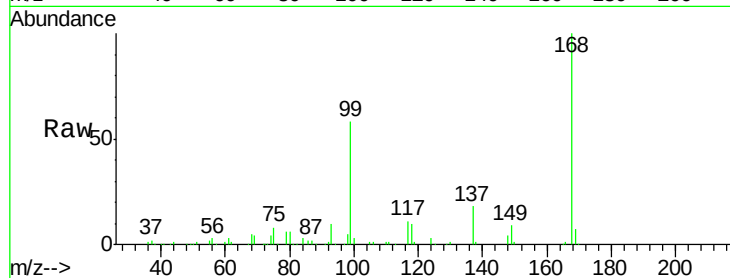
Tgt Ion: 56 Resp: 3968

Ion Ratio Lower Upper

56 100

69 146.0 26.2 39.4#

84 108.9 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 62.253 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015681.D

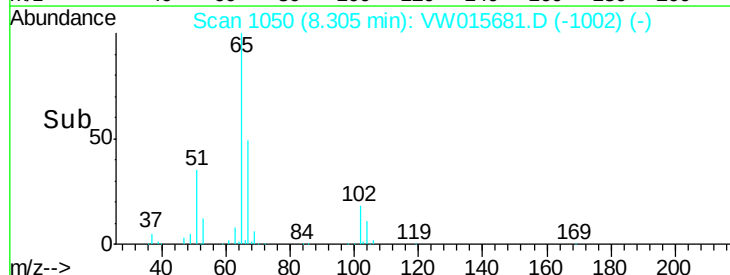
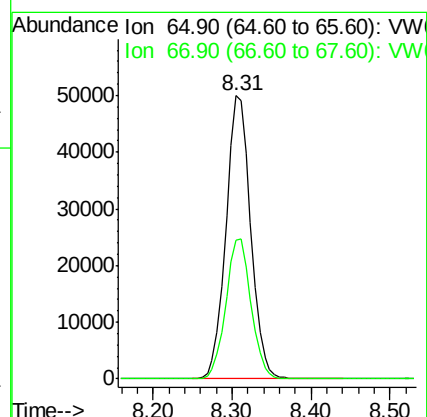
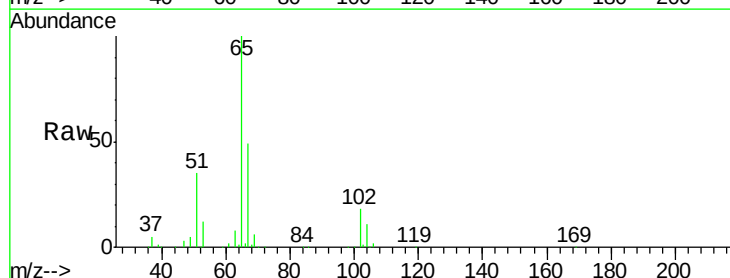
Acq: 24 Jun 2020 14:28

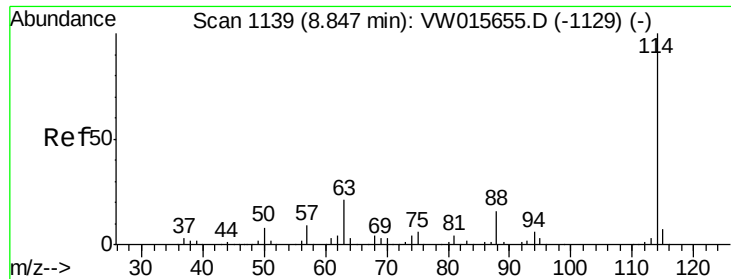
Tgt Ion: 65 Resp: 108936

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.2

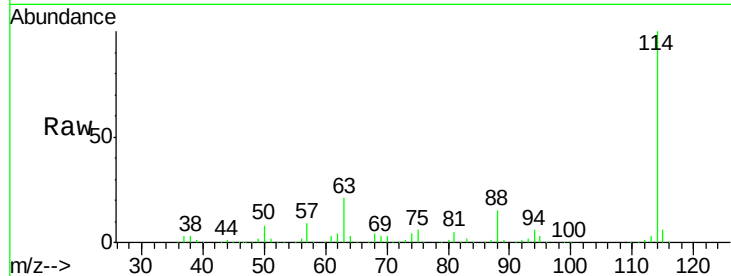




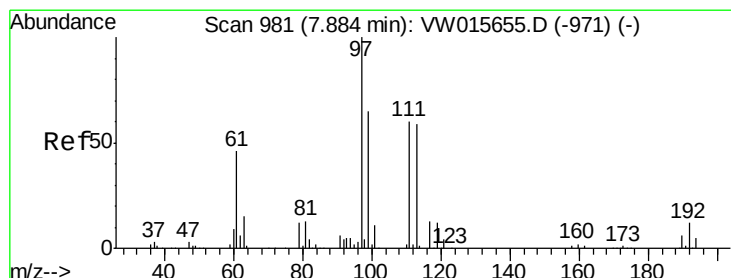
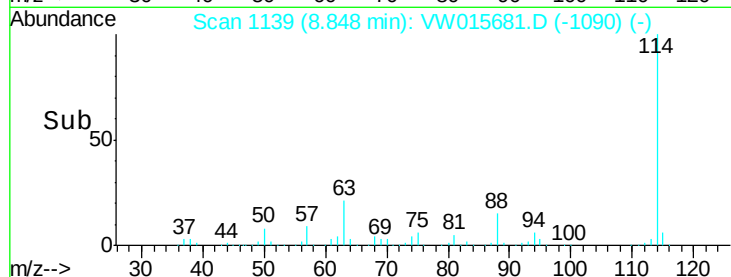
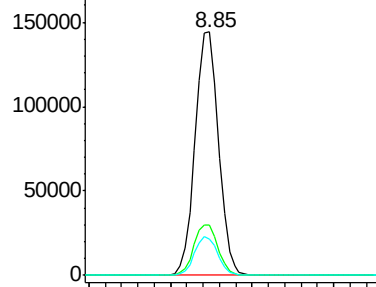
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015681.D
 Acq: 24 Jun 2020 14:28

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.4
88	15.0	0.0	32.6

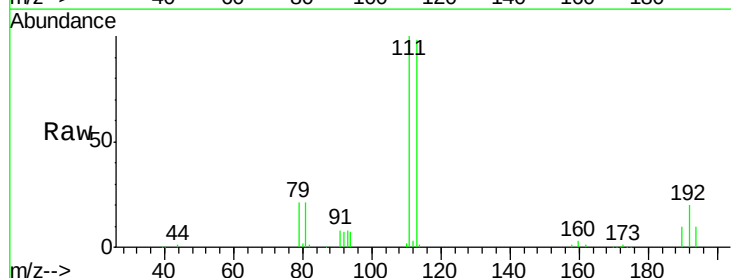


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

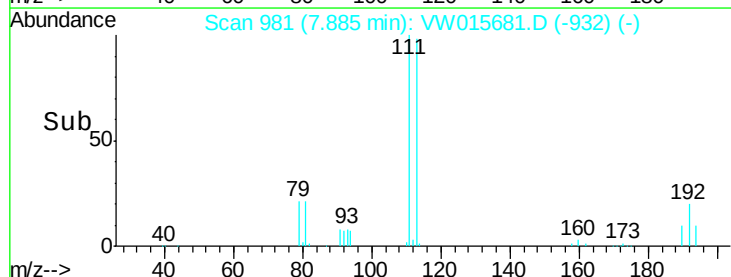
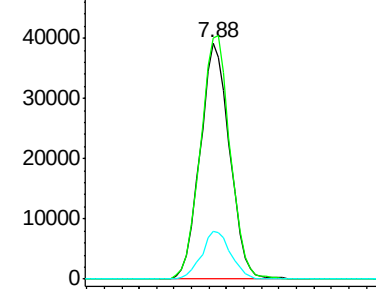


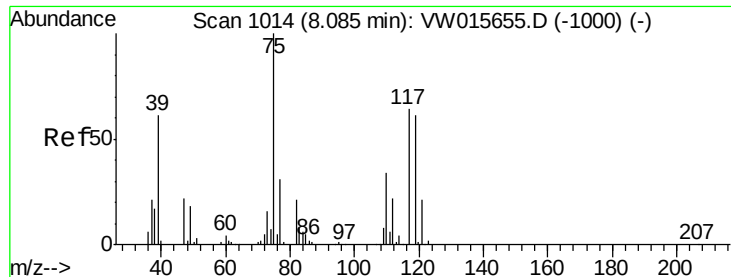
#35
 Dibromofluoromethane
 Concen: 50.997 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015681.D
 Acq: 24 Jun 2020 14:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	20.0	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

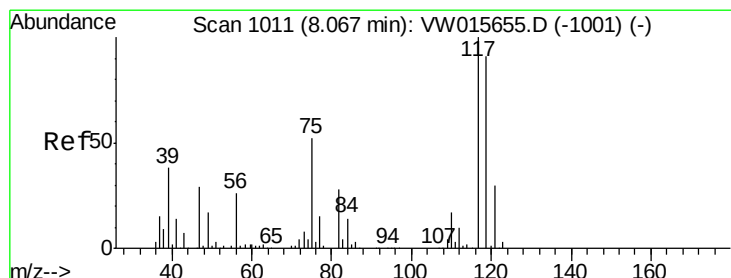
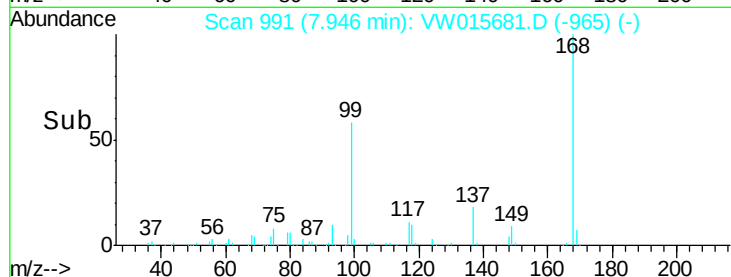
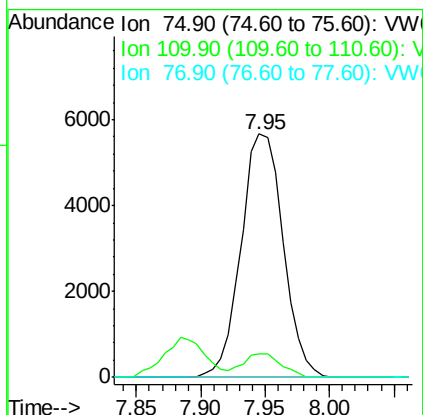
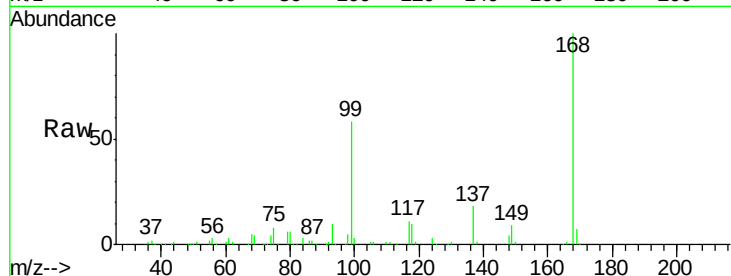




#36
 1,1-Dichloropropene
 Concen: 4.313 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015681.D
 Acq: 24 Jun 2020 14:28

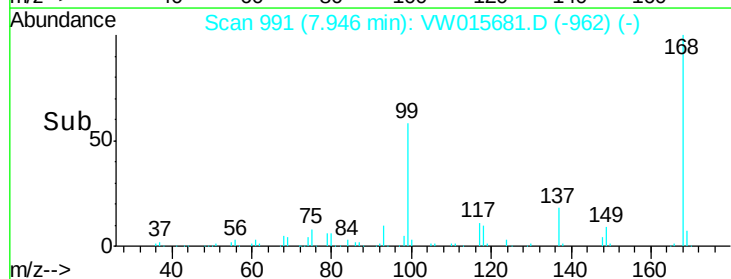
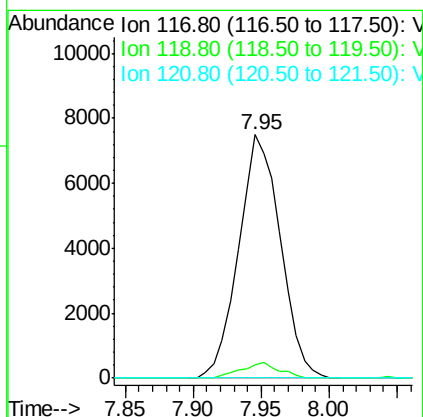
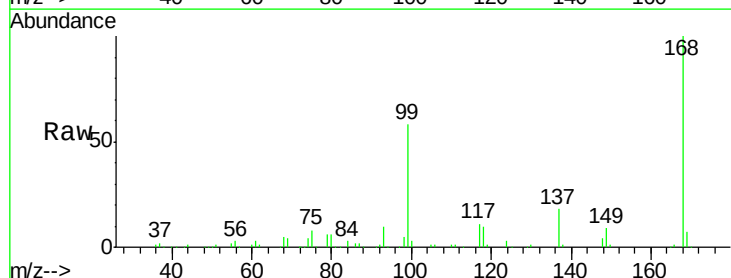
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

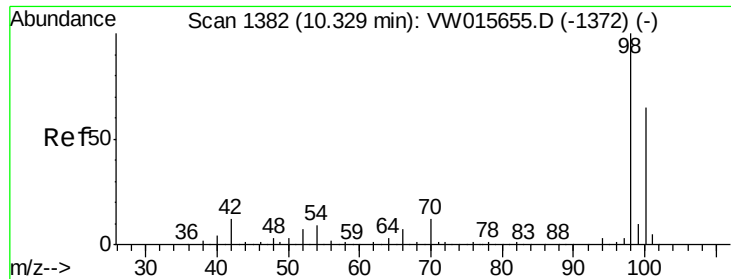
Tgt Ion: 75 Resp: 12844
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 51.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.557 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015681.D
 Acq: 24 Jun 2020 14:28

Tgt Ion: 117 Resp: 16042
 Ion Ratio Lower Upper
 117 100
 119 5.3 73.2 109.8#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 49.809 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampleId :

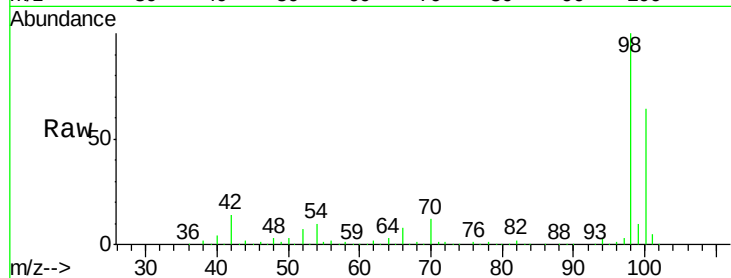
SB-4

Tgt Ion: 98 Resp: 353057

Ion Ratio Lower Upper

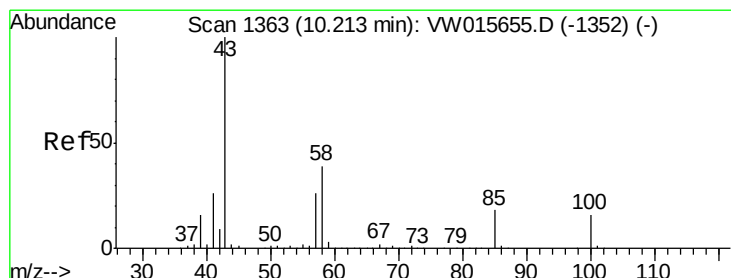
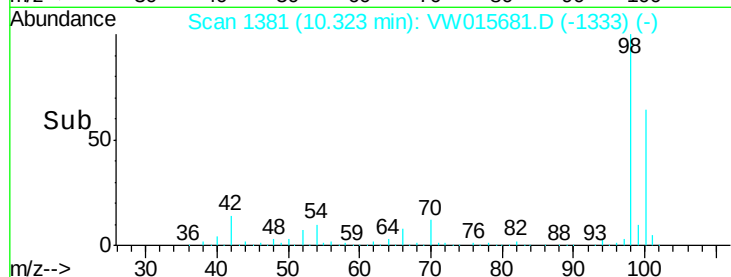
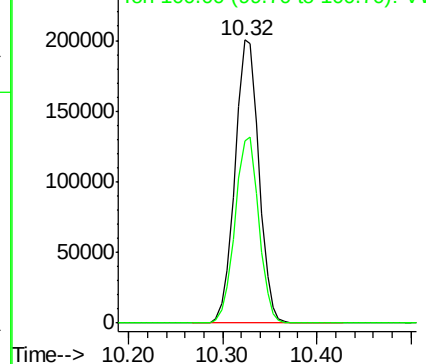
98 100

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: 1.536 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW015681.D

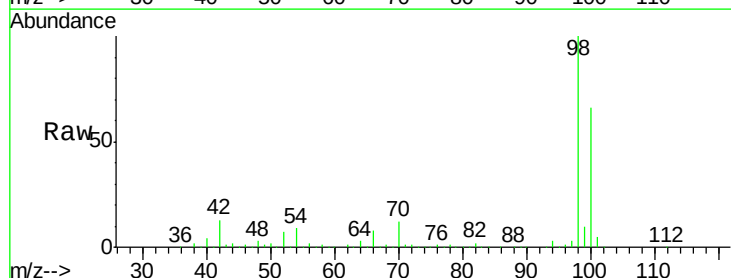
Acq: 24 Jun 2020 14:28

Tgt Ion: 43 Resp: 1681

Ion Ratio Lower Upper

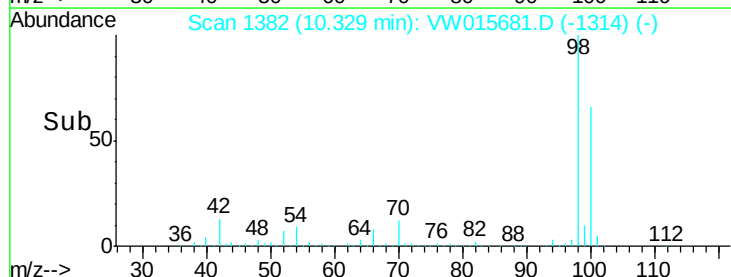
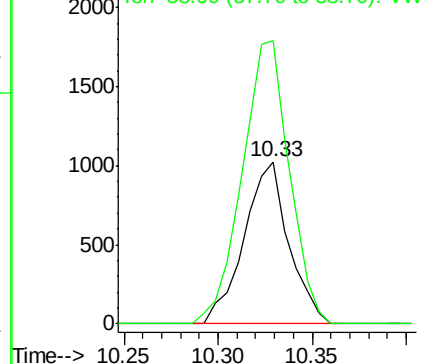
43 100

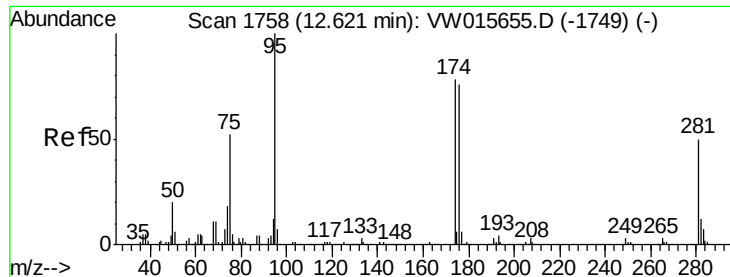
58 184.5 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

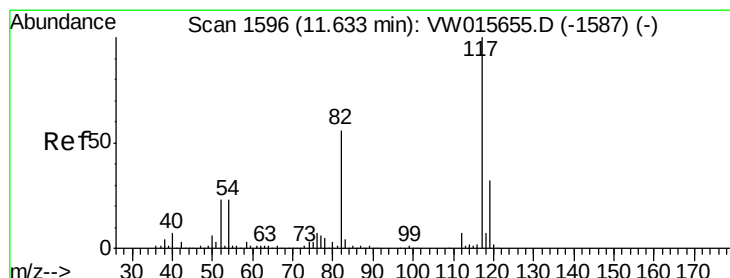
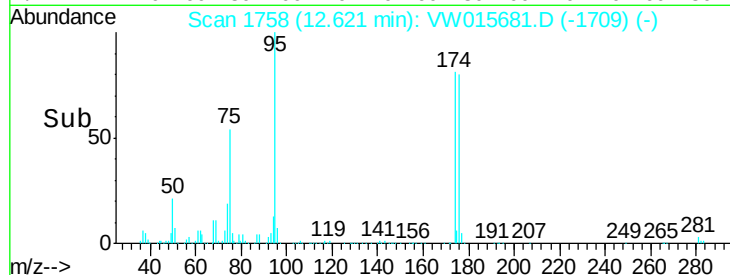
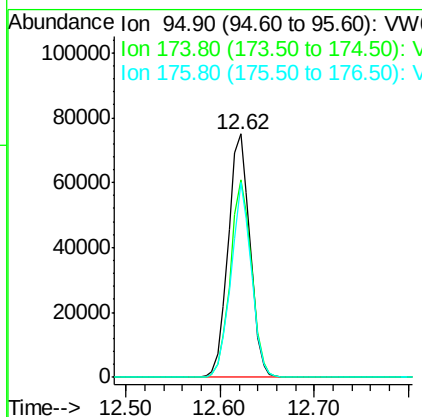
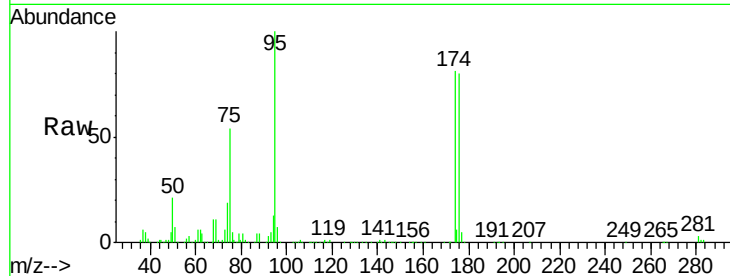




#62
4-Bromofluorobenzene
Concen: 46.080 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015681.D
Acq: 24 Jun 2020 14:28

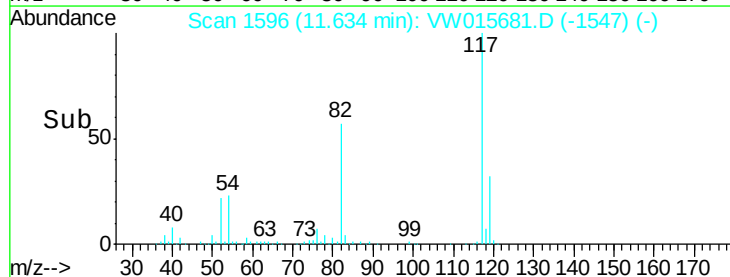
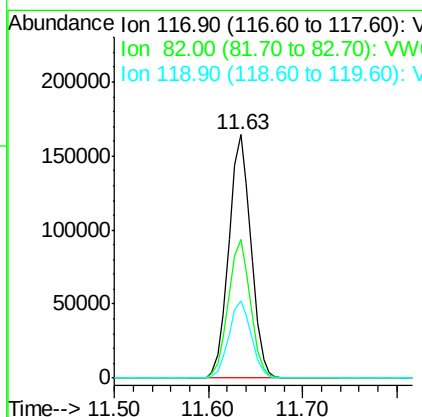
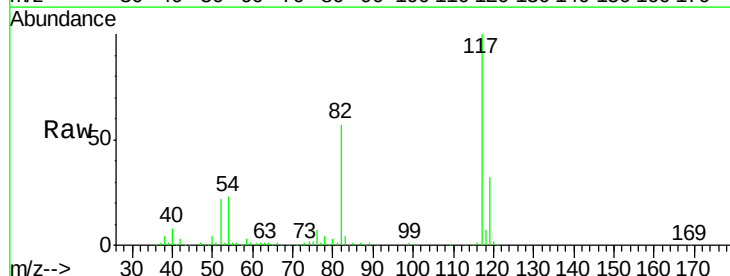
Instrument :
MSVOA_W
ClientSampleId :
SB-4

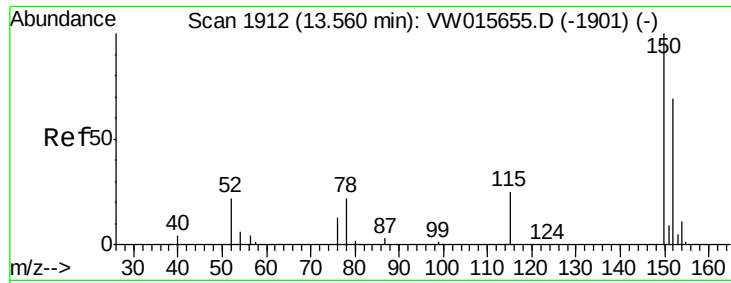
Tgt Ion: 95 Resp: 120287
Ion Ratio Lower Upper
95 100
174 79.3 0.0 157.0
176 74.5 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015681.D
Acq: 24 Jun 2020 14:28

Tgt Ion: 117 Resp: 268108
Ion Ratio Lower Upper
117 100
82 57.1 45.1 67.7
119 31.8 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: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampleId :

SB-4

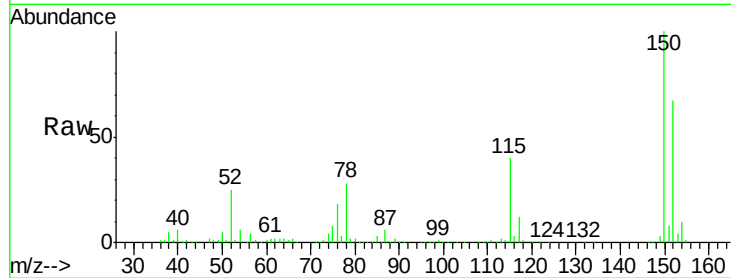
Tgt Ion:152 Resp: 121041

Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.5

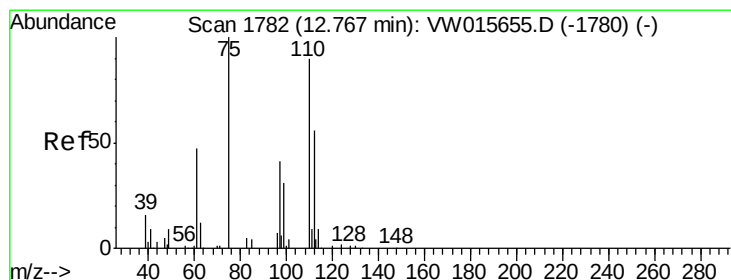
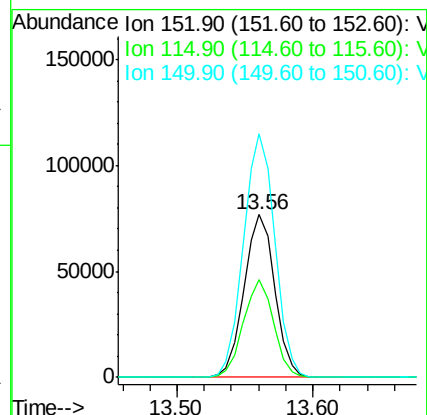
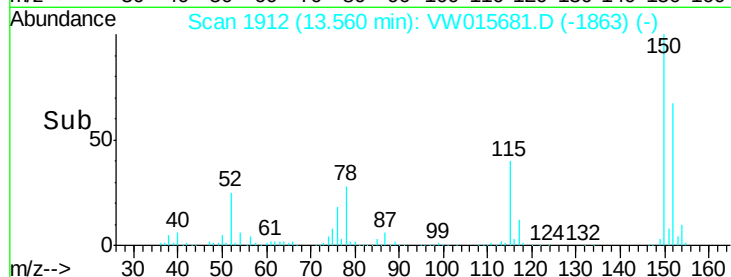
150 153.3 0.0 345.6



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: 59.307 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015681.D

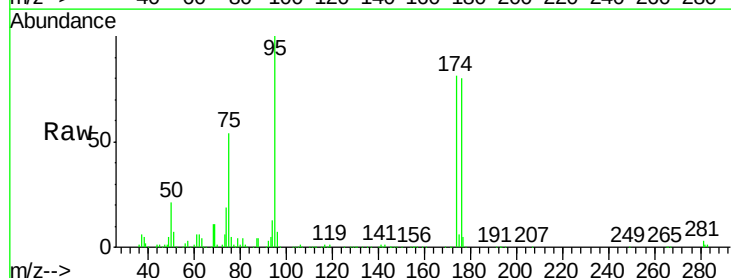
Acq: 24 Jun 2020 14:28

Tgt Ion: 75 Resp: 65479

Ion Ratio Lower Upper

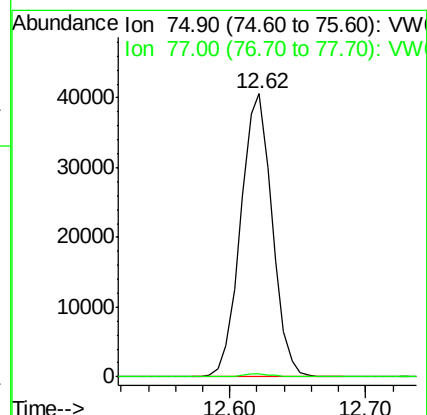
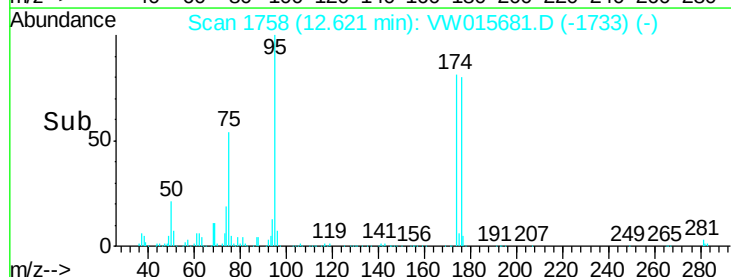
75 100

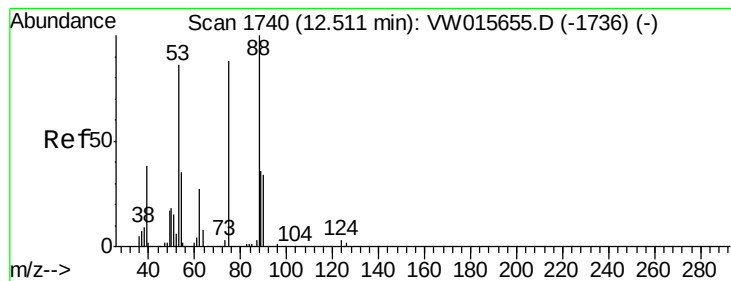
77 1.1 179.1 537.1#



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: 149.454 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015681.D

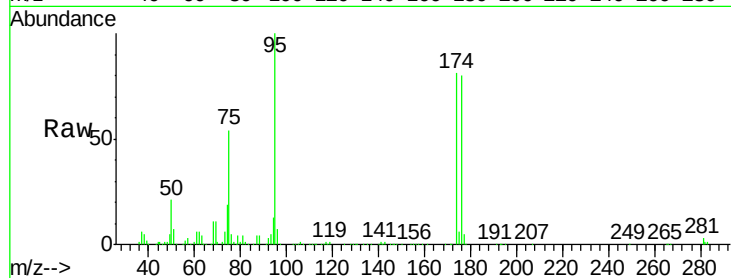
Acq: 24 Jun 2020 14:28

Instrument :

MSVOA_W

ClientSampleId :

SB-4



Tgt Ion:	75	Resp:	65479
Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.8	125.8#
89	0.0	36.6	55.0#

