

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015690.D
 Acq On : 24 Jun 2020 18:25
 Operator : SY/VA
 Sample : L3082-18
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-19

Quant Time: Jun 25 02:05:34 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	148724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	266227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111619	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99712	60.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.52%	
35) Dibromofluoromethane	7.89	113	85624	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	336251	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.62	95	115142	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

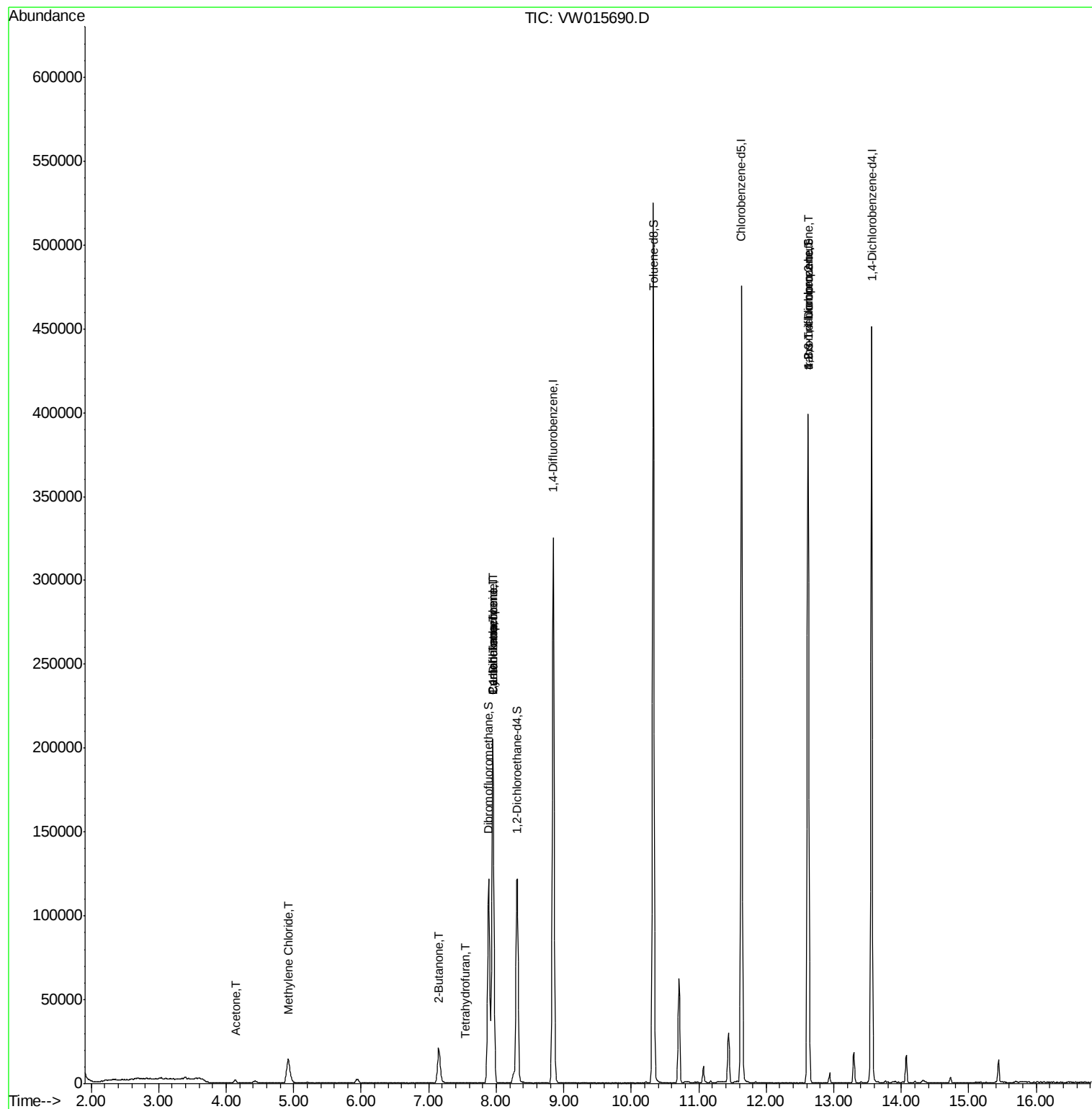
Target Compounds					Qvalue
11) Tert butyl alcohol	5.19	59	909	Below Cal	# 78
16) Acetone	4.14	43	3088	9.816	ug/l 92
18) Methyl Acetate	4.66	43	49	Below Cal	# 52
20) Methylene Chloride	4.92	84	11691	3.381	ug/l 96
25) 2-Butanone	7.15	43	1401	3.295	ug/l # 49
29) Tetrahydrofuran	7.56	42	318	1.273	ug/l # 38
31) Cyclohexane	7.95	56	3906	1.370	ug/l # 27
36) 1,1-Dichloropropene	7.95	75	12452	4.497	ug/l # 51
38) Carbon Tetrachloride	7.95	117	14719	5.484	ug/l # 18
76) 1,2,3-Trichloropropane	12.62	75	62024	60.919	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	62024	153.518	ug/l # 8

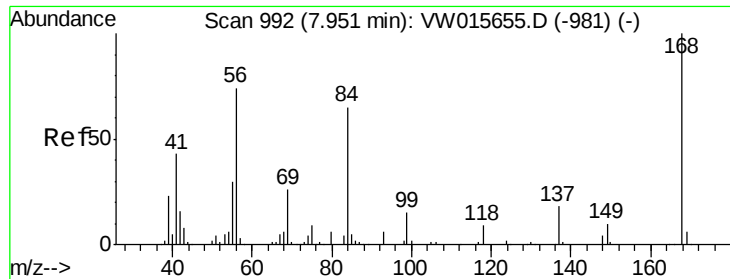
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
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Quant Title : SW846 8260
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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: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

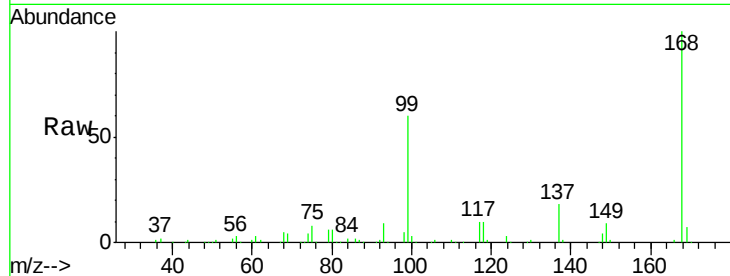
SB-19

Tgt Ion:168 Resp: 148724

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

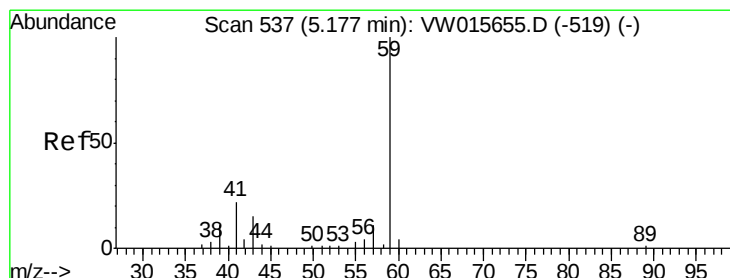
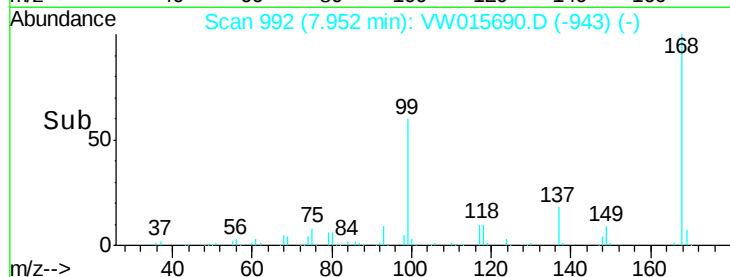
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW015690.D

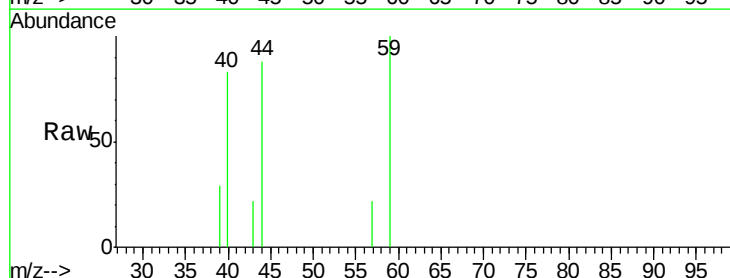
Acq: 24 Jun 2020 18:25

Tgt Ion: 59 Resp: 909

Ion Ratio Lower Upper

59 100

57 2.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

250

200

150

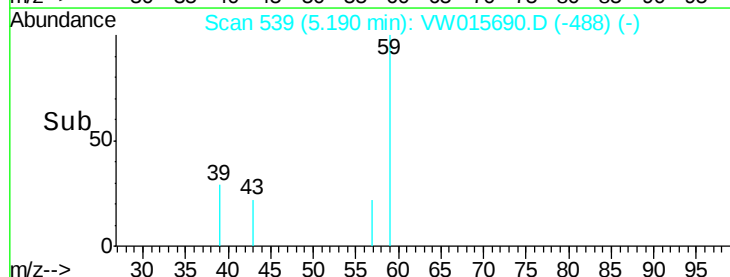
100

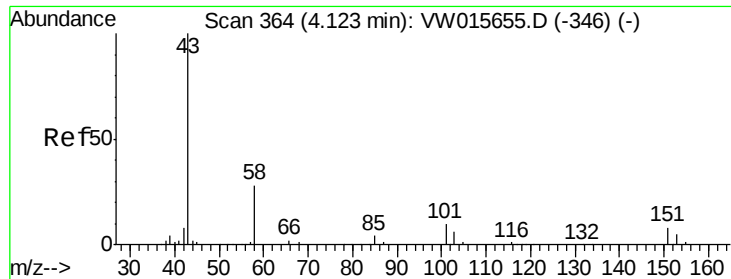
50

0

Time-->

5.10 5.20





#16

Acetone

Concen: 9.816 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

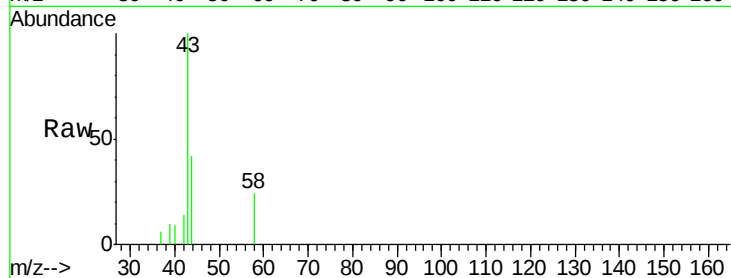
SB-19

Tgt Ion: 43 Resp: 3088

Ion Ratio Lower Upper

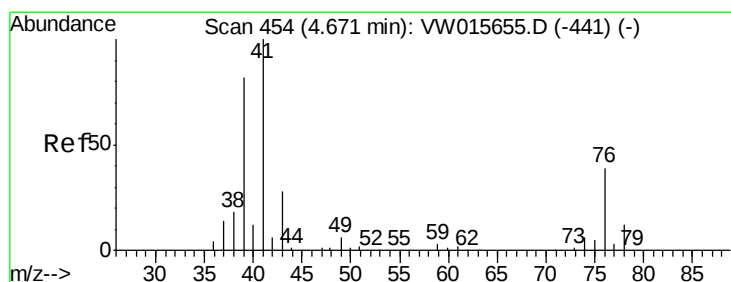
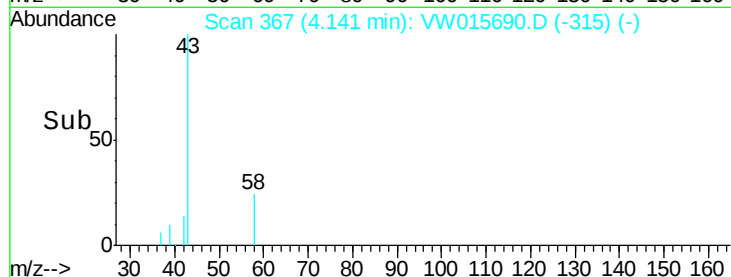
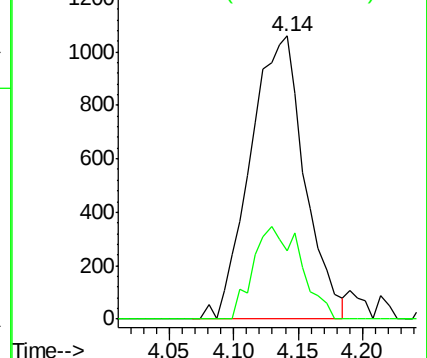
43 100

58 24.2 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: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015690.D

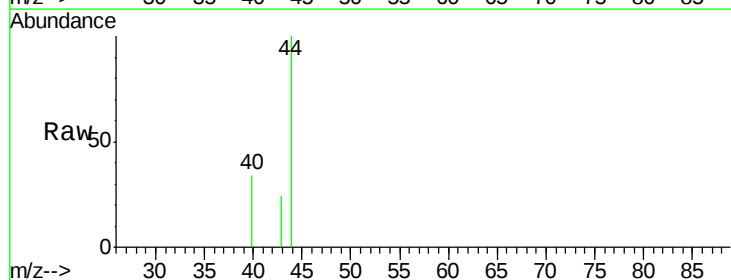
Acq: 24 Jun 2020 18:25

Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

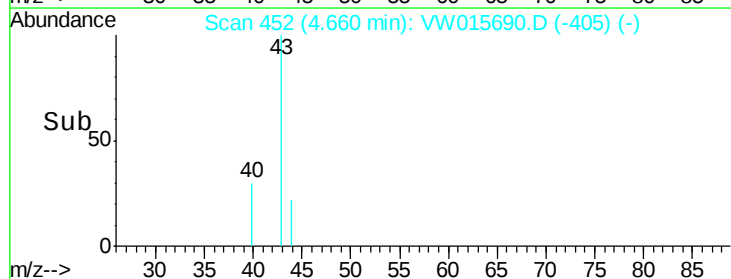
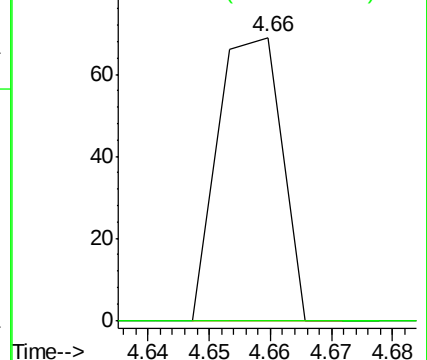
43 100

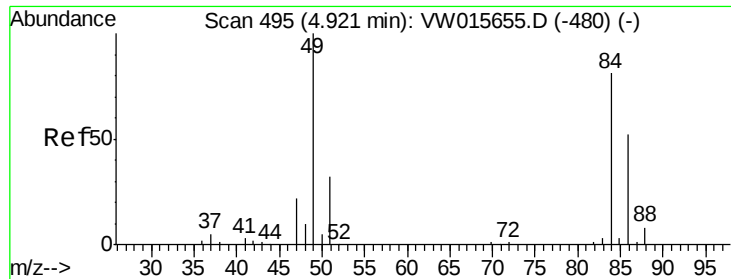
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

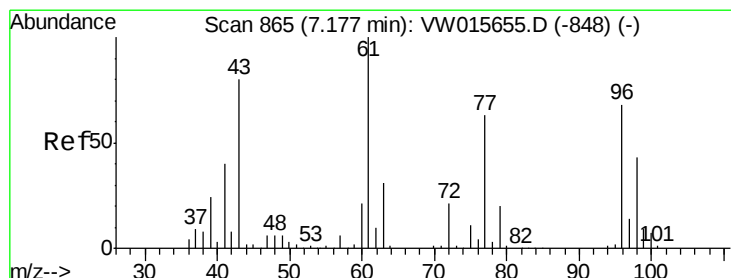
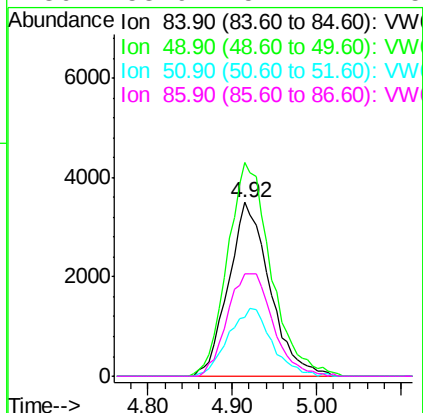
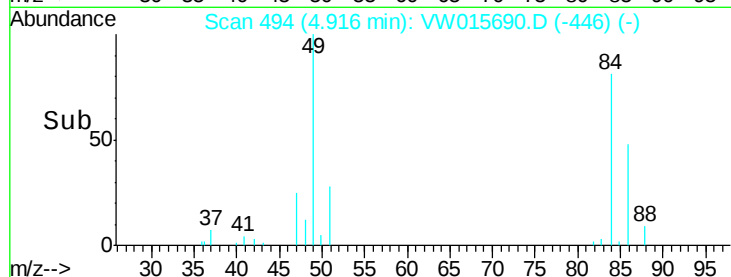
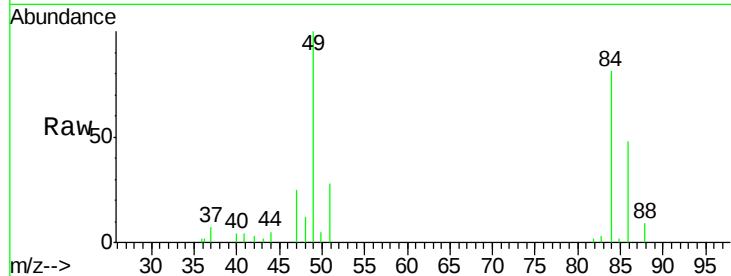




#20
Methylene Chloride
Concen: 3.381 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015690.D
Acq: 24 Jun 2020 18:25

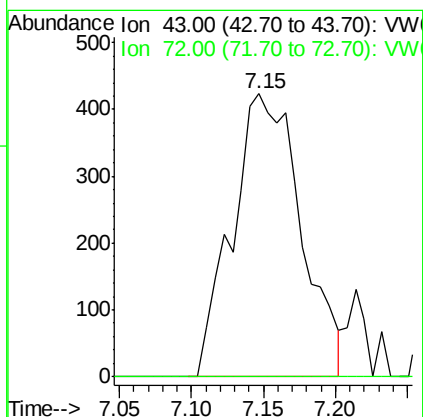
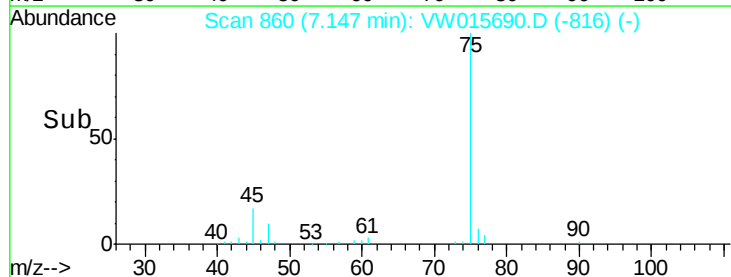
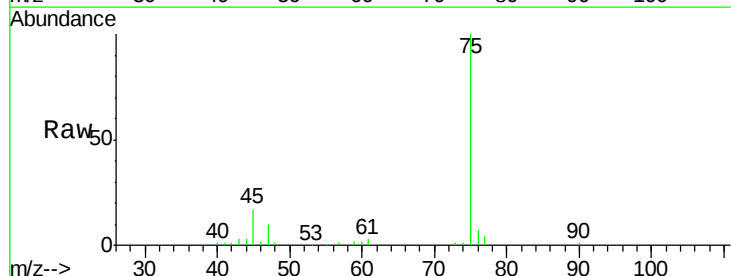
Instrument :
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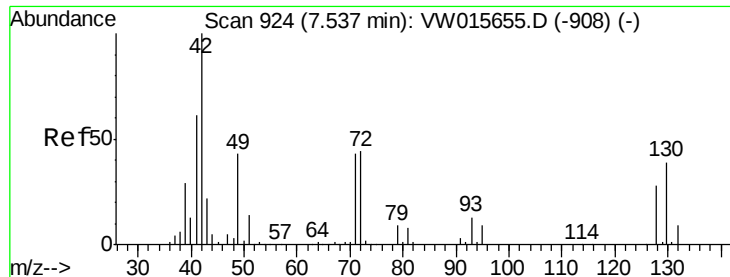
Tgt Ion:	84	Resp:	11691
Ion	Ratio	Lower	Upper
84	100		
49	122.7	99.3	148.9
51	33.8	31.8	47.6
86	58.9	51.7	77.5



#25
2-Butanone
Concen: 3.295 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW015690.D
Acq: 24 Jun 2020 18:25

Tgt Ion:	43	Resp:	1401
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#29

Tetrahydrofuran

Concen: 1.273 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

SB-19

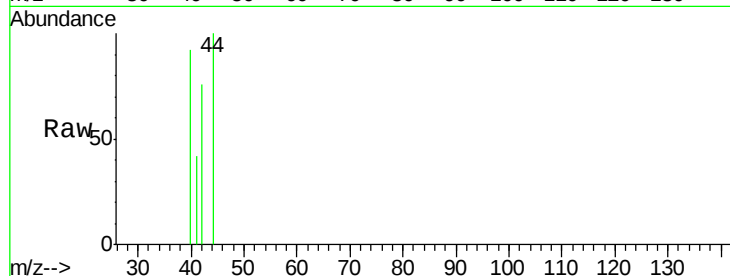
Tgt Ion: 42 Resp: 318

Ion Ratio Lower Upper

42 100

72 6.3 35.0 52.6#

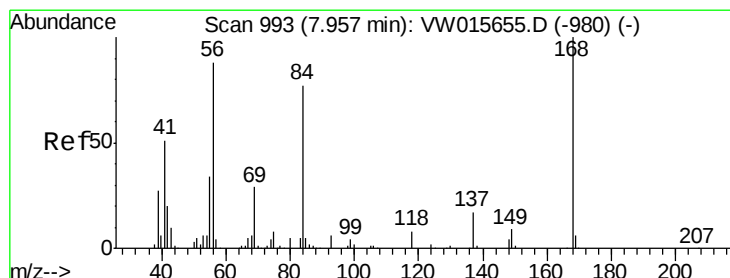
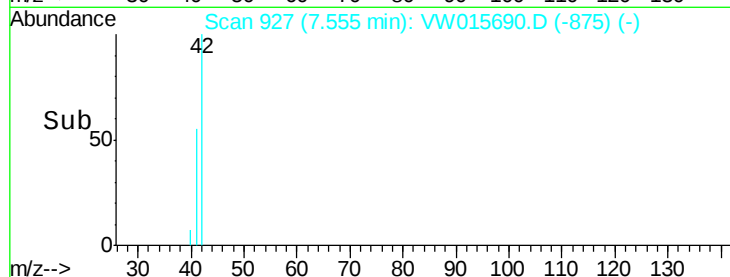
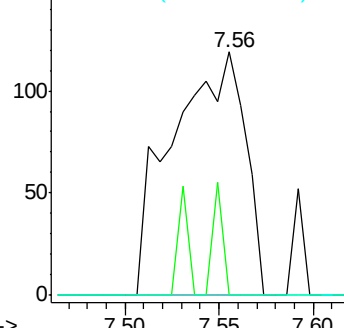
71 0.0 32.6 49.0#



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: 1.370 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015690.D

Acq: 24 Jun 2020 18:25

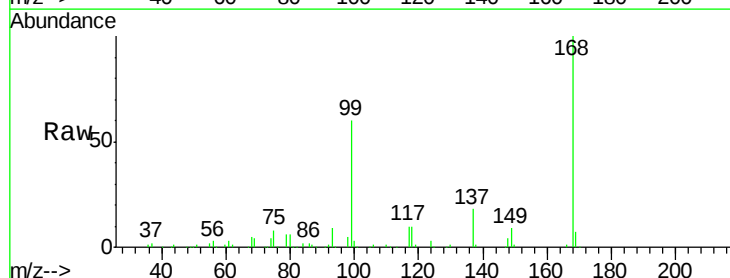
Tgt Ion: 56 Resp: 3906

Ion Ratio Lower Upper

56 100

69 165.5 26.2 39.4#

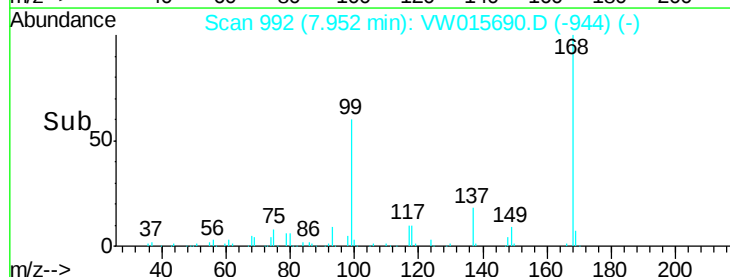
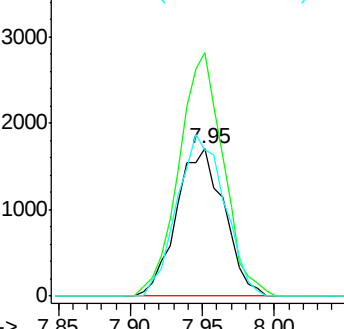
84 99.4 70.4 105.6

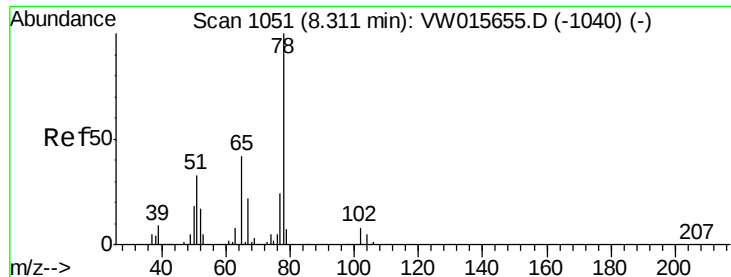


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

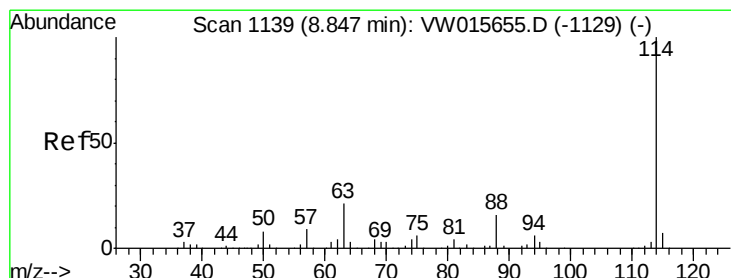
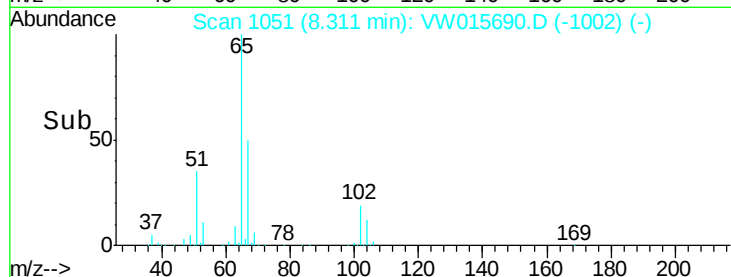
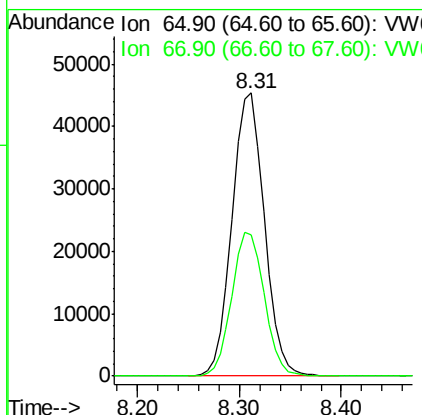
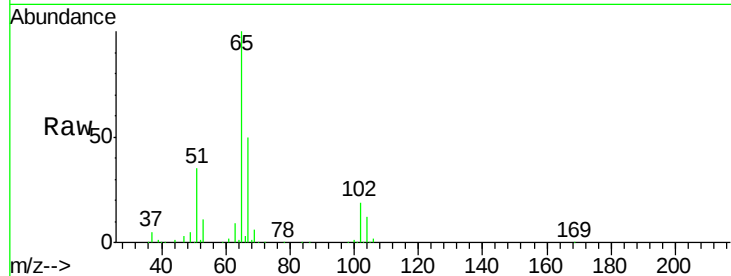




#33
 1,2-Dichloroethane-d4
 Concen: 60.258 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015690.D
 Acq: 24 Jun 2020 18:25

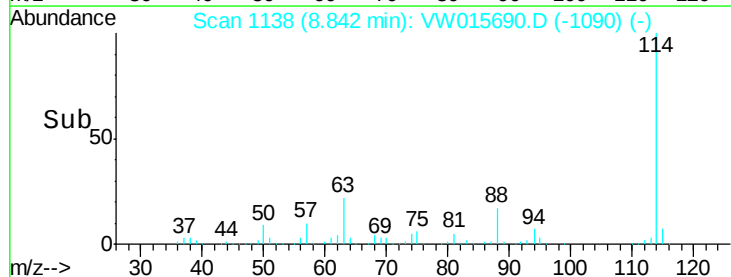
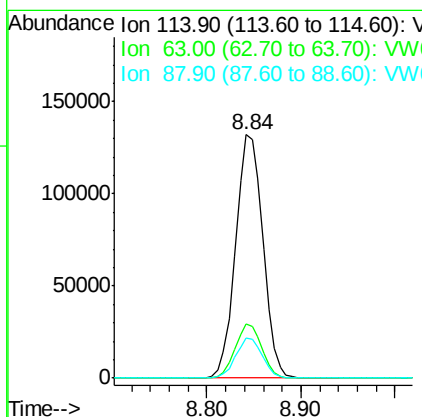
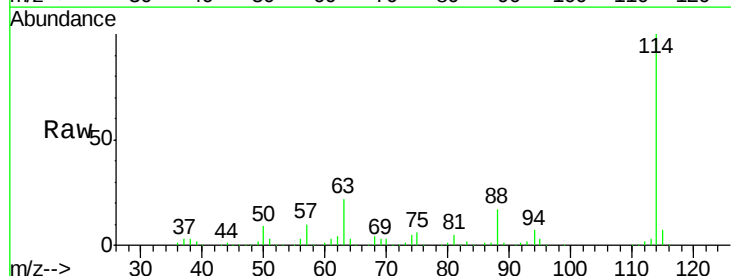
Instrument :
 MSVOA_W
 ClientSampled :
 SB-19

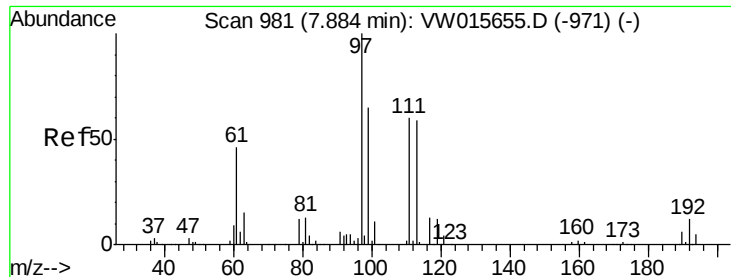
Tgt Ion: 65 Resp: 99712
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015690.D
 Acq: 24 Jun 2020 18:25

Tgt Ion: 114 Resp: 266227
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 16.6 0.0 32.6

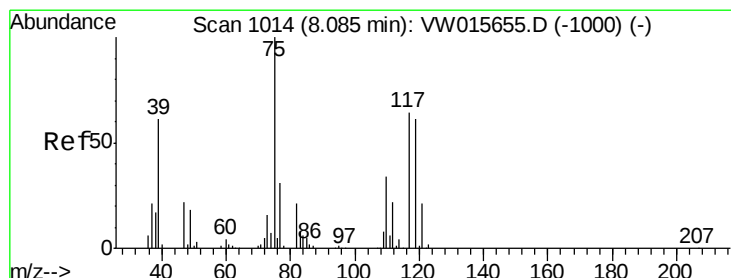
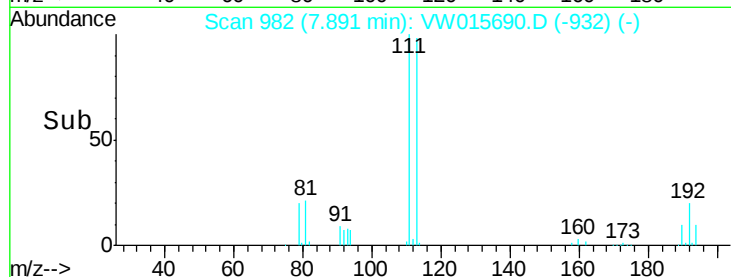
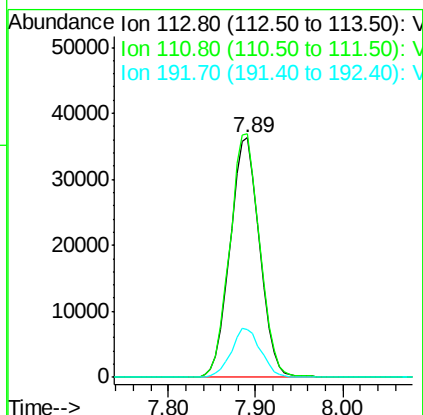
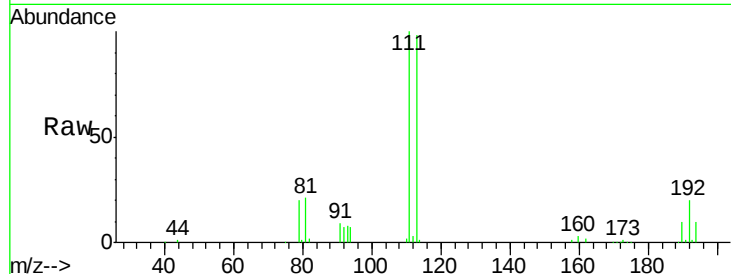




#35
 Dibromofluoromethane
 Concen: 51.130 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015690.D
 Acq: 24 Jun 2020 18:25

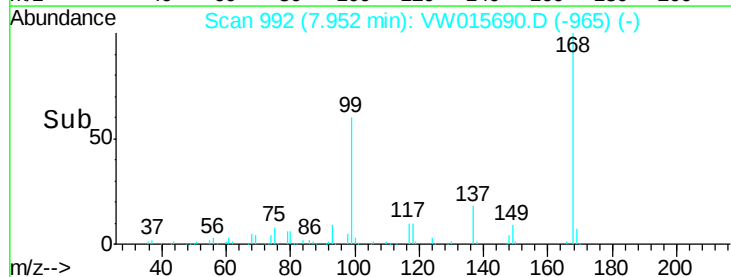
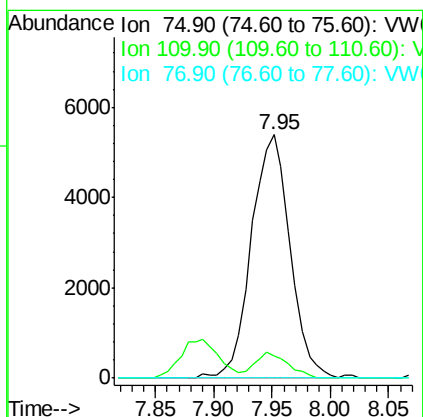
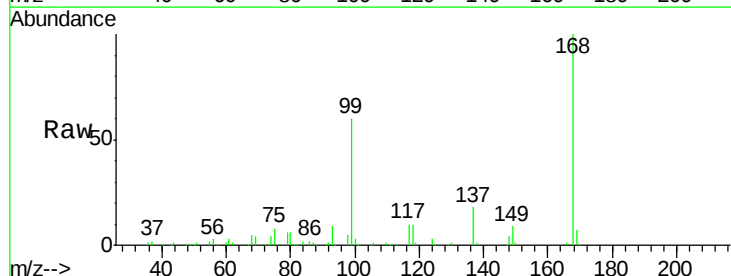
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 MSVOA_W
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 SB-19

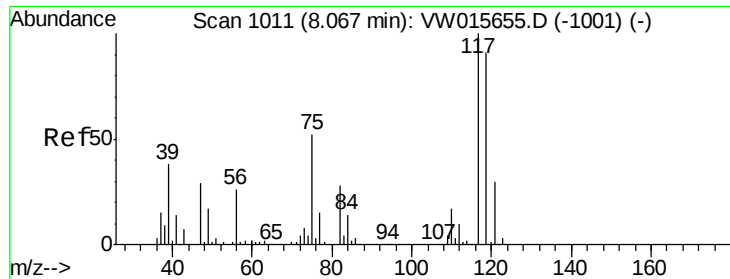
Tgt Ion:113 Resp: 85624
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 20.3 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.497 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015690.D
 Acq: 24 Jun 2020 18:25

Tgt Ion: 75 Resp: 12452
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.0 51.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

SB-19

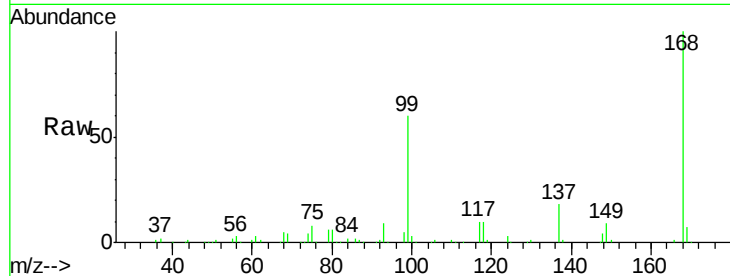
Tgt Ion: 117 Resp: 14719

Ion Ratio Lower Upper

117 100

119 5.6 73.2 109.8#

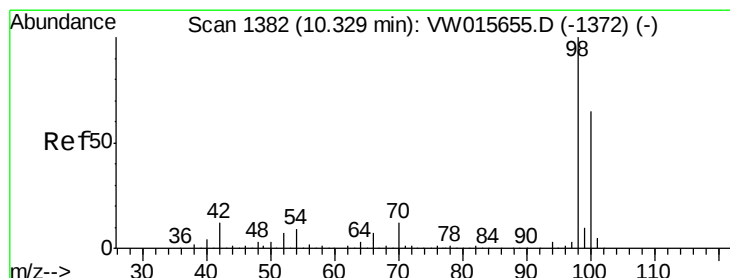
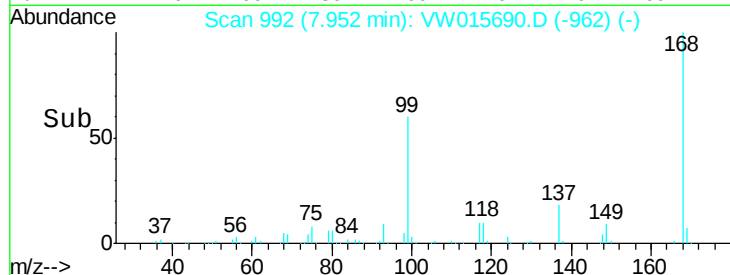
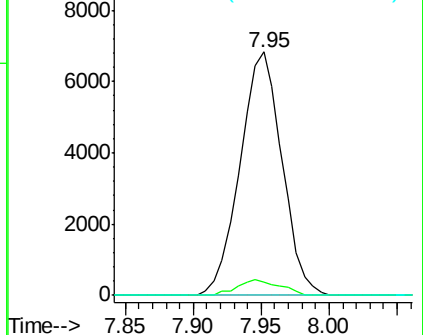
121 0.0 23.9 35.9#



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: 51.021 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015690.D

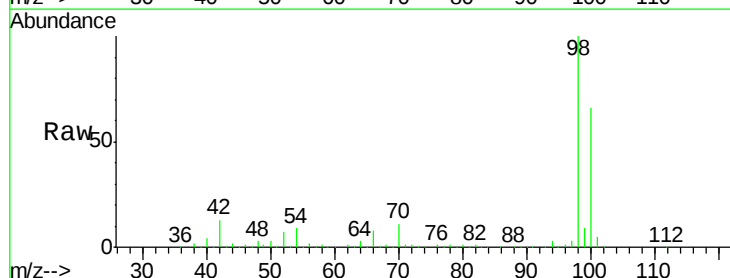
Acq: 24 Jun 2020 18:25

Tgt Ion: 98 Resp: 336251

Ion Ratio Lower Upper

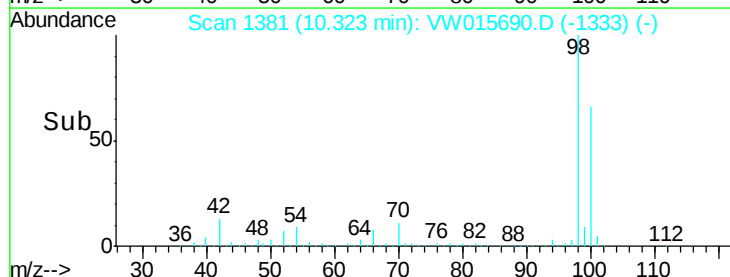
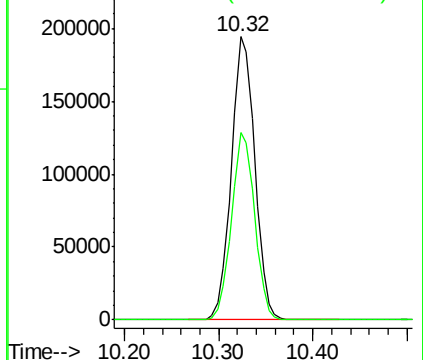
98 100

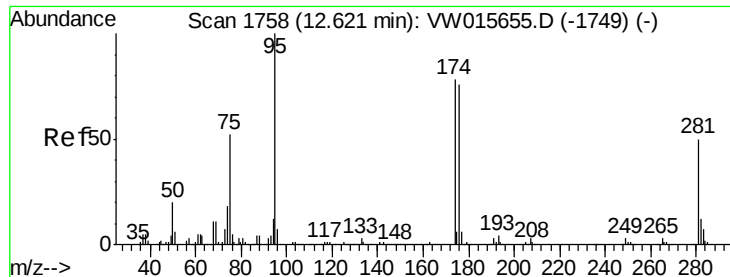
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.441 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampled :

SB-19

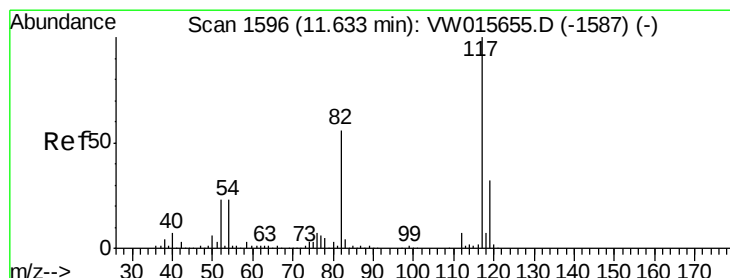
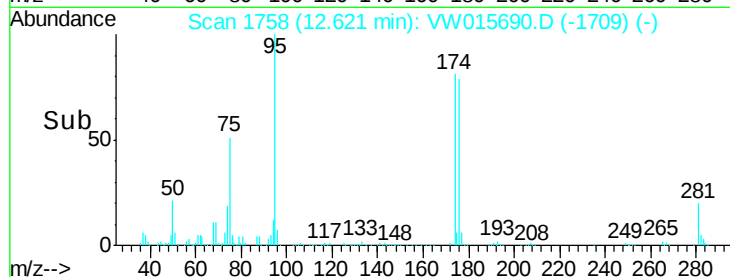
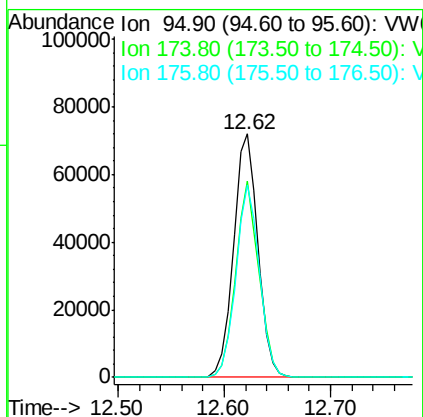
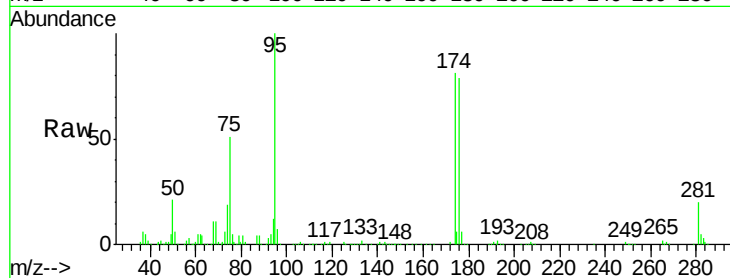
Tgt Ion: 95 Resp: 115142

Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.0

176 76.8 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: VW015690.D

Acq: 24 Jun 2020 18:25

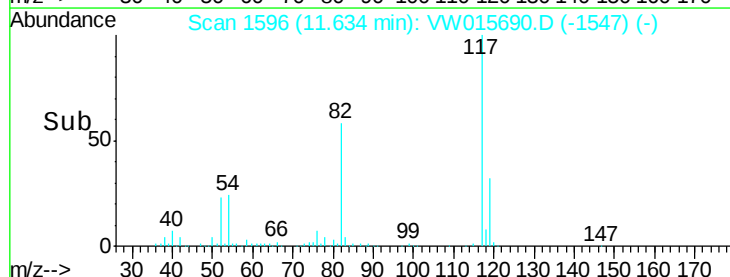
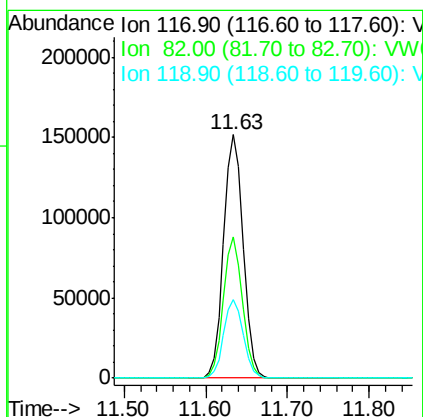
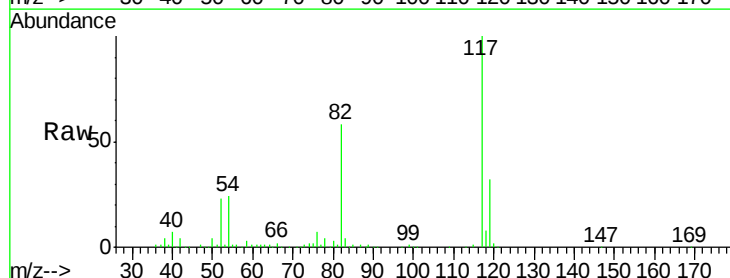
Tgt Ion: 117 Resp: 251889

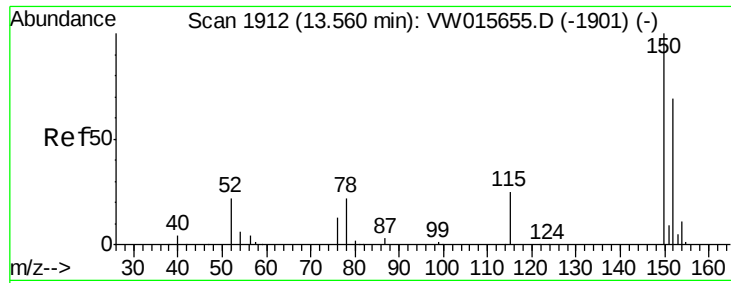
Ion Ratio Lower Upper

117 100

82 57.8 45.1 67.7

119 32.2 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: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampleId :

SB-19

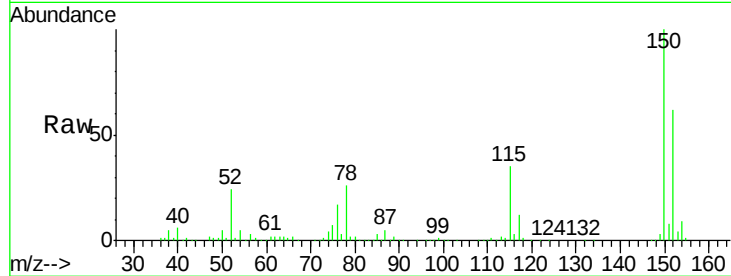
Tgt Ion:152 Resp: 111619

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

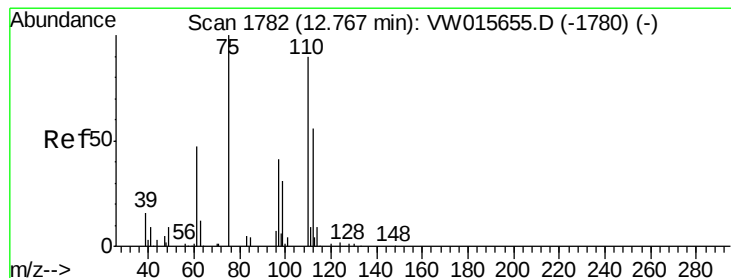
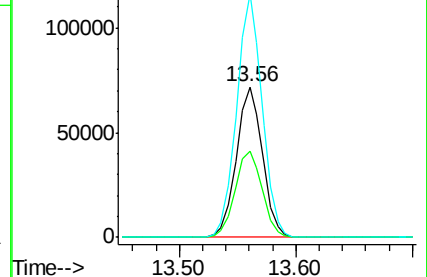
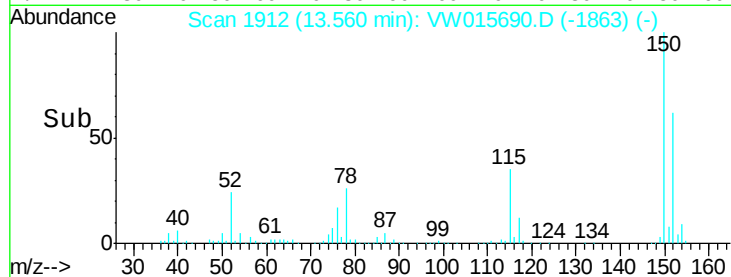
150 158.7 0.0 345.6



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: 60.919 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015690.D

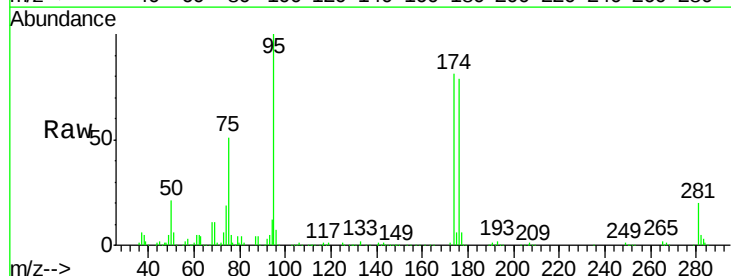
Acq: 24 Jun 2020 18:25

Tgt Ion: 75 Resp: 62024

Ion Ratio Lower Upper

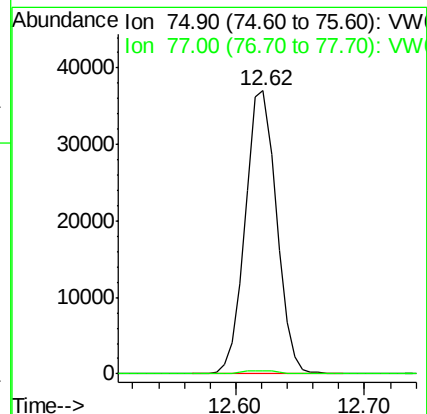
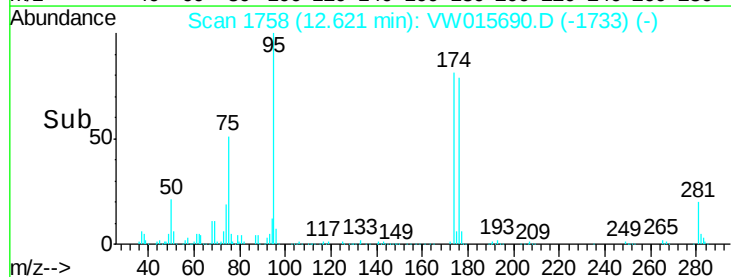
75 100

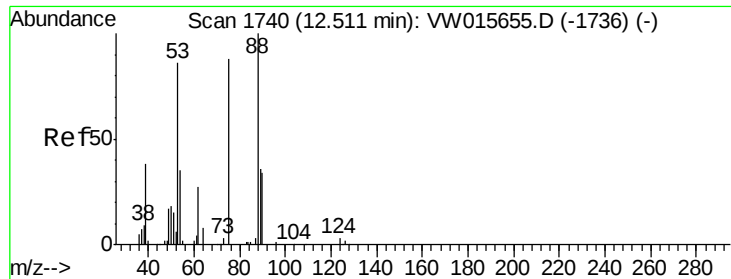
77 1.2 179.1 537.1#



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: 153.518 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015690.D

Acq: 24 Jun 2020 18:25

Instrument :

MSVOA_W

ClientSampleId :

SB-19

Tgt Ion: 75 Resp: 62024

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.1 36.6 55.0#

