

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015688.D
 Acq On : 24 Jun 2020 17:32
 Operator : SY/VA
 Sample : L3082-16RE
 Misc : 5.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-17

Quant Time: Jun 25 02:05:14 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	151010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	270586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	259612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116063	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	104609	62.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.52%	
35) Dibromofluoromethane	7.88	113	87572	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.32	98	341695	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	117875	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

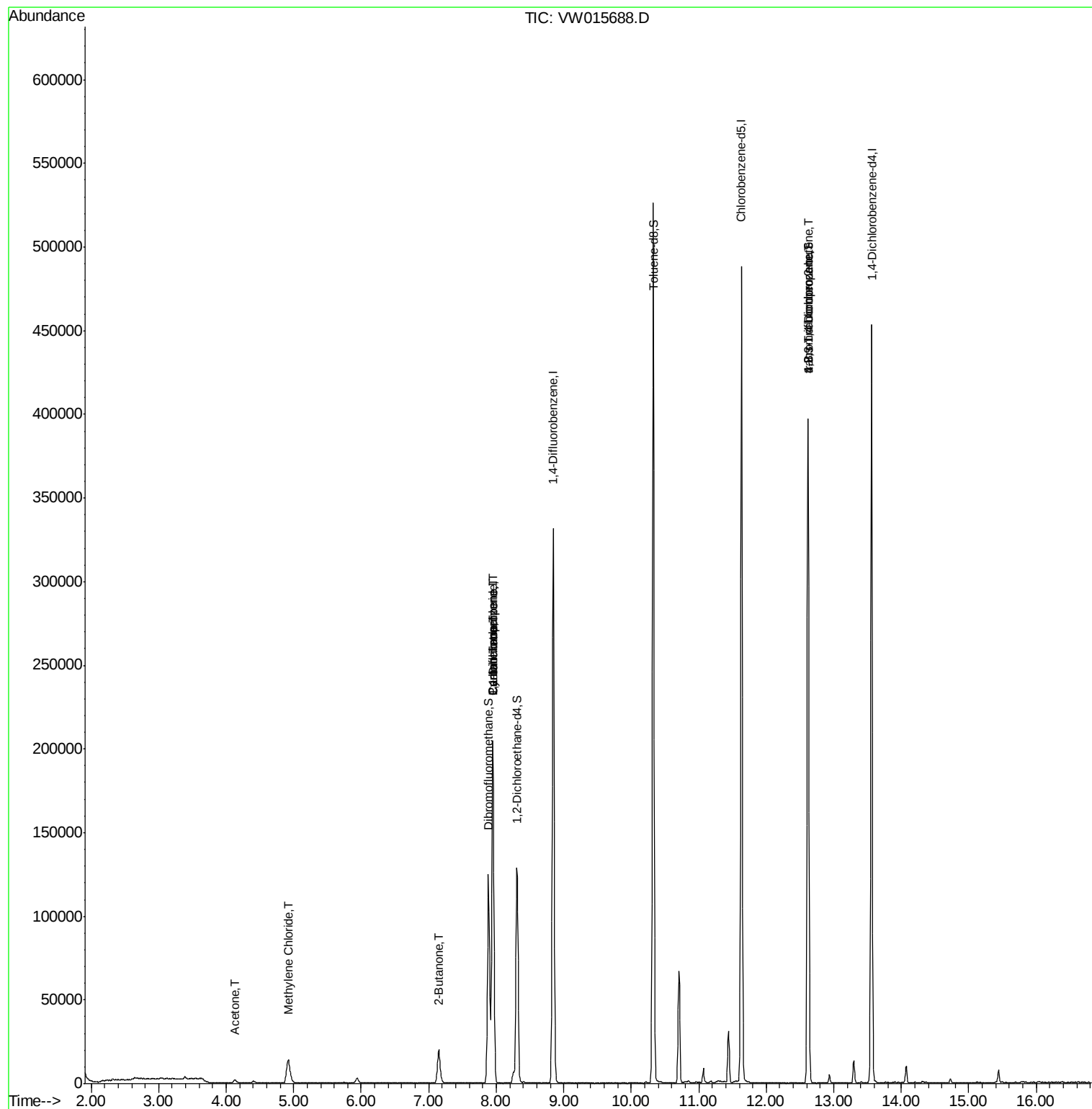
Target Compounds					Qvalue
11) Tert butyl alcohol	5.17	59	765	Below Cal	# 72
16) Acetone	4.13	43	3730	11.678	ug/l 97
18) Methyl Acetate	4.42	43	711	Below Cal	# 52
20) Methylene Chloride	4.92	84	11942	3.431	ug/l 99
25) 2-Butanone	7.15	43	1345	3.116	ug/l # 80
31) Cyclohexane	7.95	56	3885	1.342	ug/l # 30
36) 1,1-Dichloropropene	7.95	75	13063	4.642	ug/l # 51
38) Carbon Tetrachloride	7.95	117	15117	5.541	ug/l # 18
76) 1,2,3-Trichloropropane	12.62	75	65443	61.816	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	65443	155.779	ug/l # 8

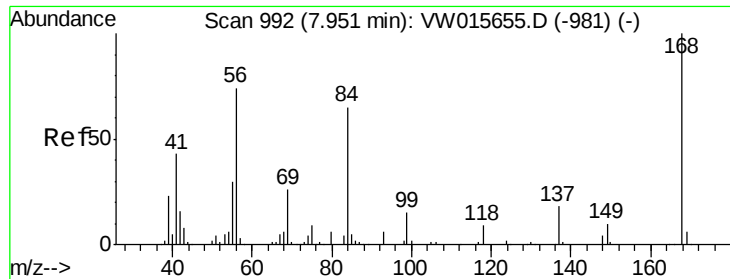
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampled :

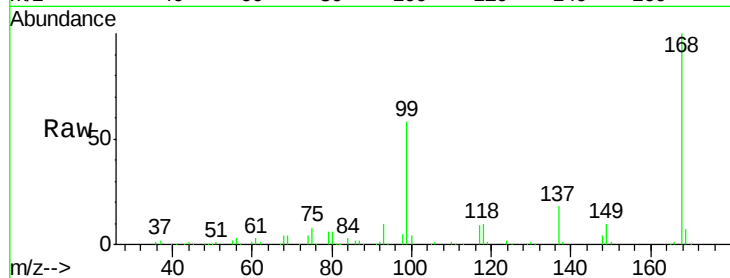
SB-17

Tgt Ion:168 Resp: 151010

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

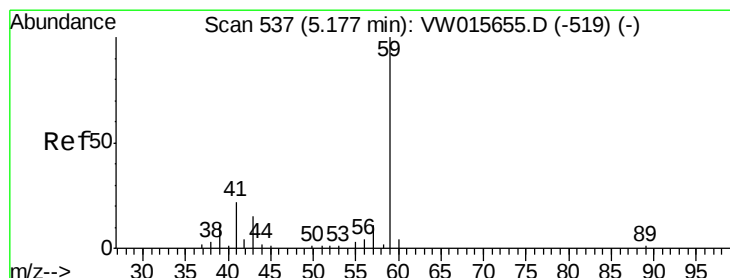
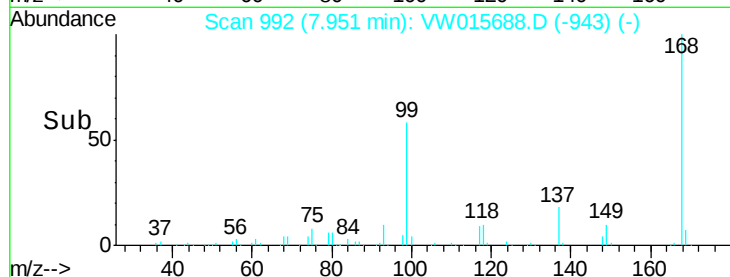
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015688.D

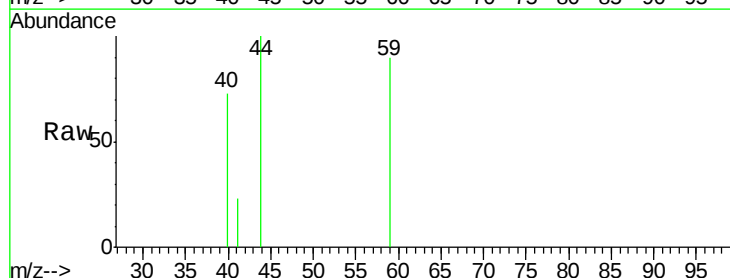
Acq: 24 Jun 2020 17:32

Tgt Ion: 59 Resp: 765

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

250

200

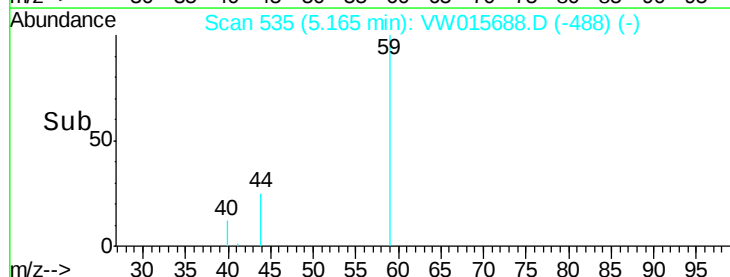
150

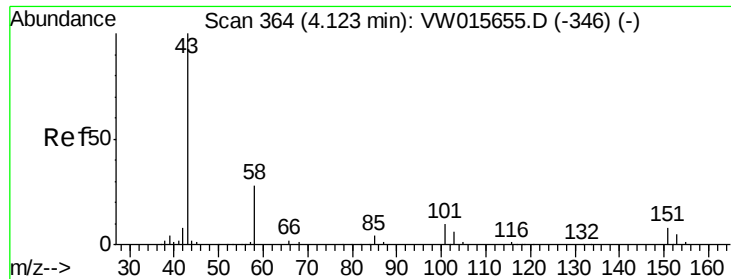
100

50

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 11.678 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

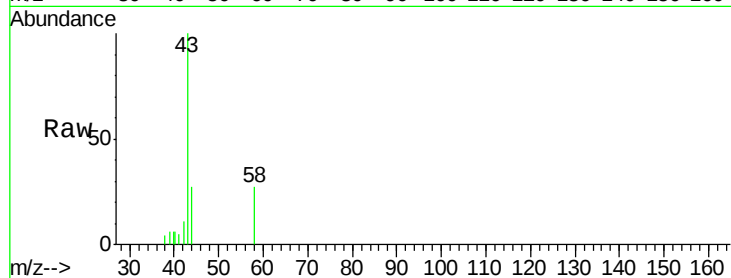
SB-17

Tgt Ion: 43 Resp: 3730

Ion Ratio Lower Upper

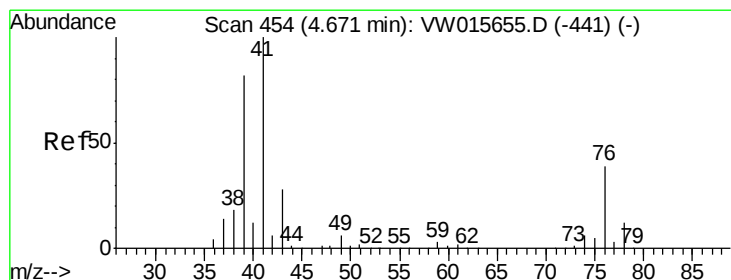
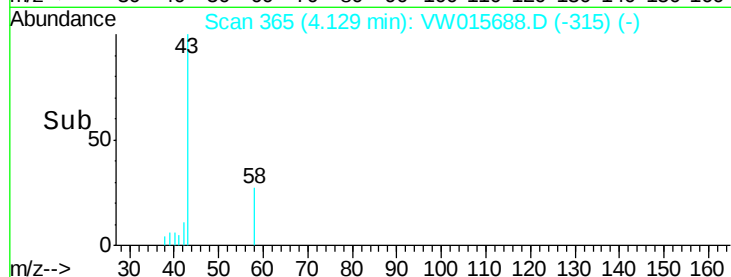
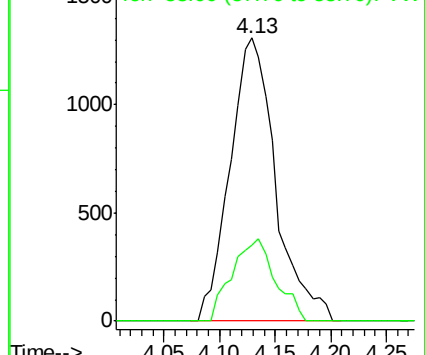
43 100

58 26.8 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: 4.42 min Scan# 412

Delta R.T. -0.26 min

Lab File: VW015688.D

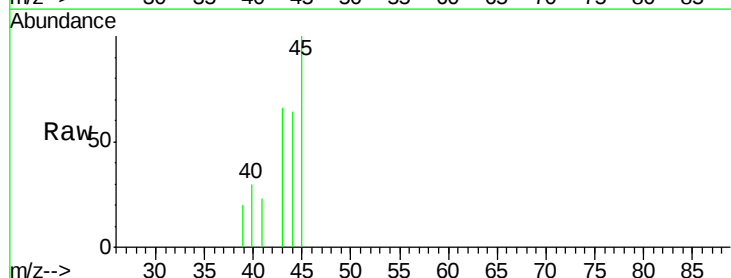
Acq: 24 Jun 2020 17:32

Tgt Ion: 43 Resp: 711

Ion Ratio Lower Upper

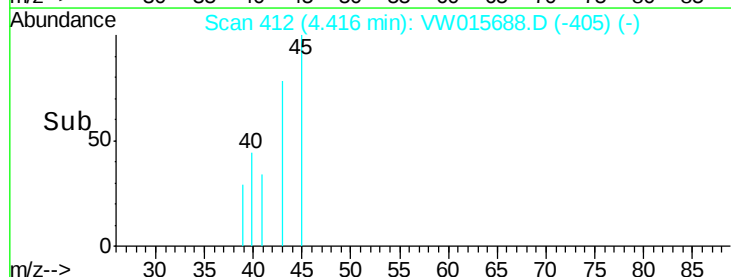
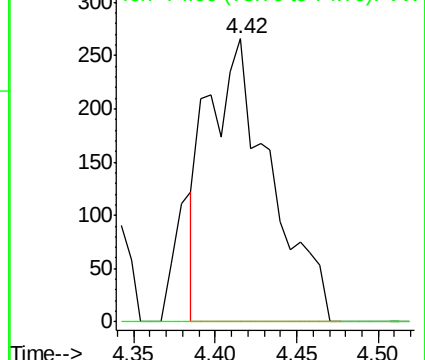
43 100

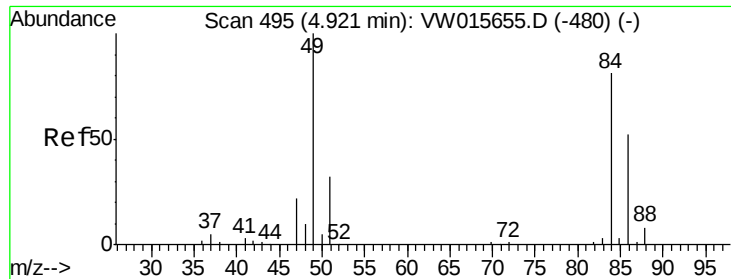
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

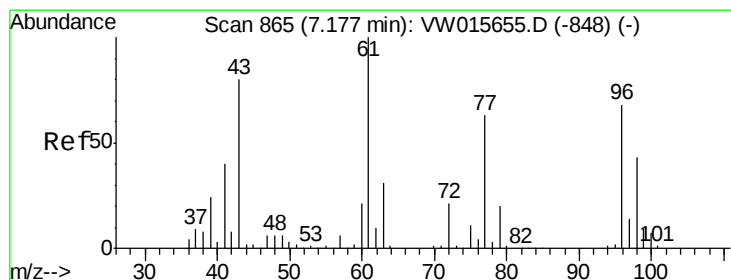
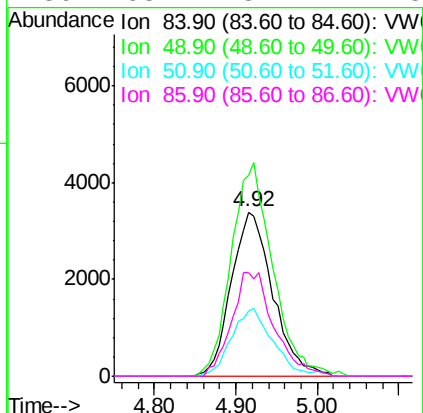
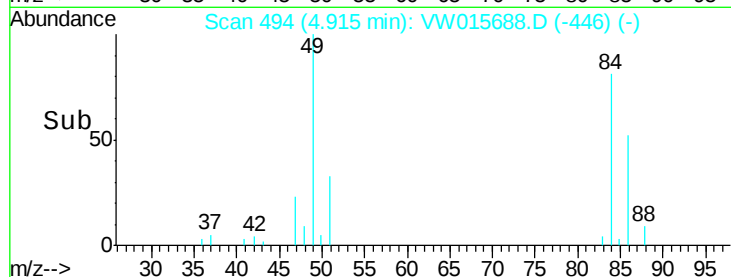
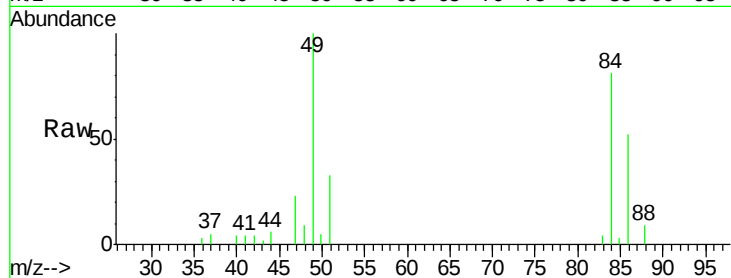




#20
Methylene Chloride
Concen: 3.431 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015688.D
Acq: 24 Jun 2020 17:32

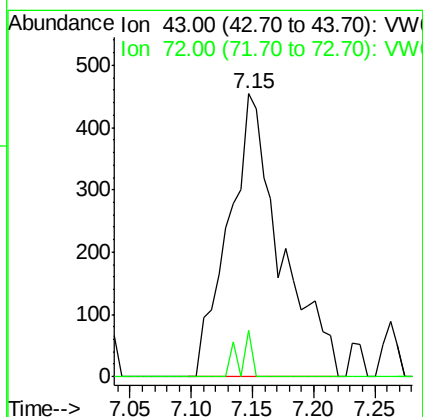
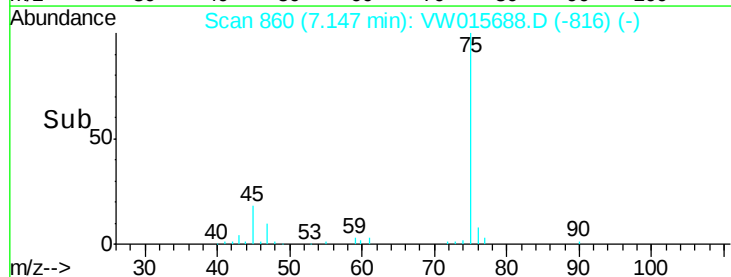
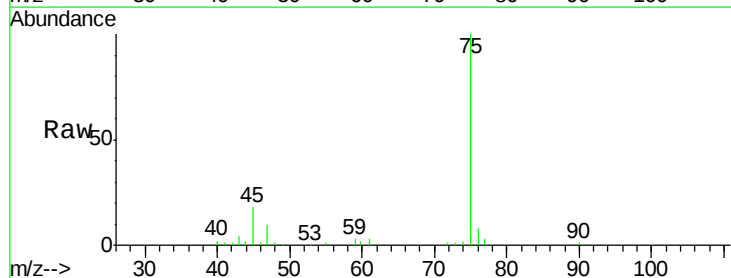
Instrument :
MSVOA_W
ClientSampleId :
SB-17

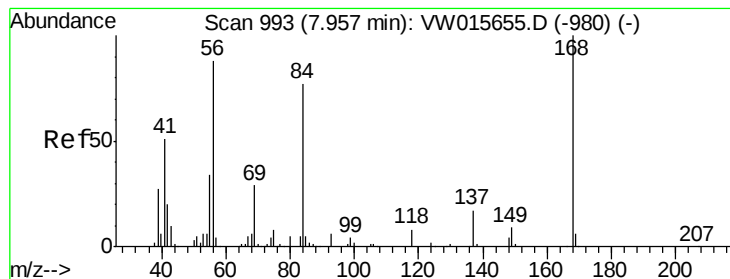
Tgt Ion:	84	Resp:	11942
Ion	Ratio	Lower	Upper
84	100		
49	122.9	99.3	148.9
51	40.2	31.8	47.6
86	63.4	51.7	77.5



#25
2-Butanone
Concen: 3.116 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW015688.D
Acq: 24 Jun 2020 17:32

Tgt Ion:	43	Resp:	1345
Ion	Ratio	Lower	Upper
43	100		
72	16.3	21.1	31.7#





#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampled :

SB-17

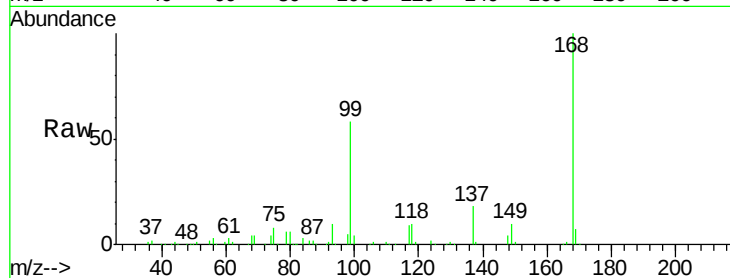
Tgt Ion: 56 Resp: 3885

Ion Ratio Lower Upper

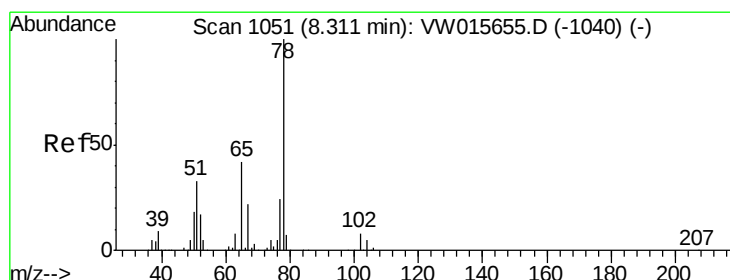
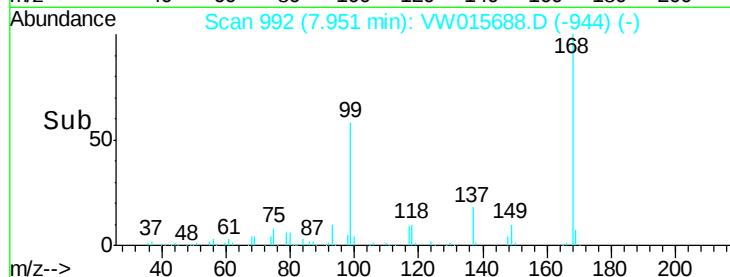
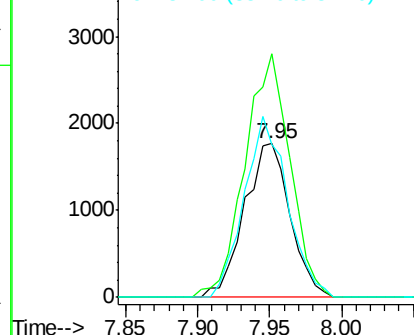
56 100

69 158.5 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: 62.260 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015688.D

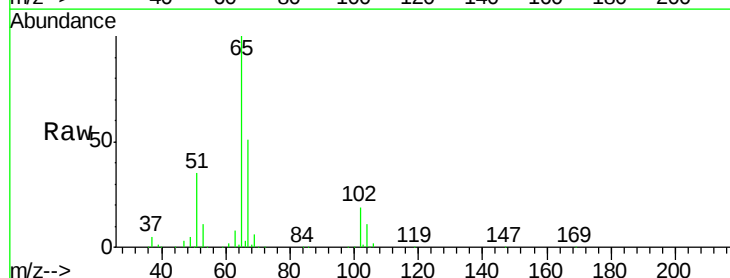
Acq: 24 Jun 2020 17:32

Tgt Ion: 65 Resp: 104609

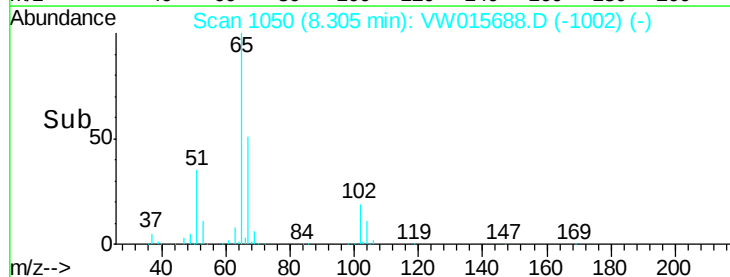
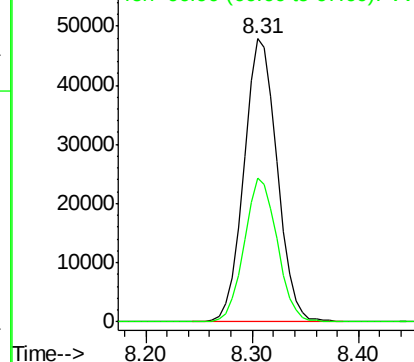
Ion Ratio Lower Upper

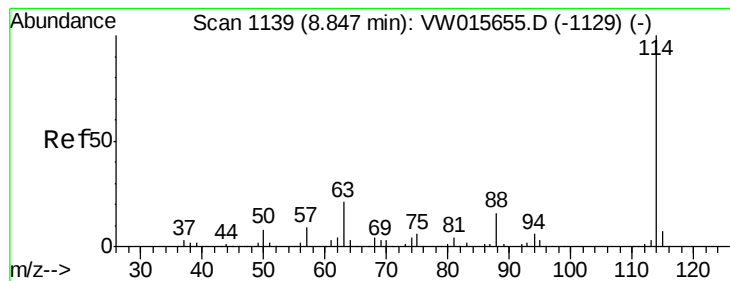
65 100

67 50.5 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: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

SB-17

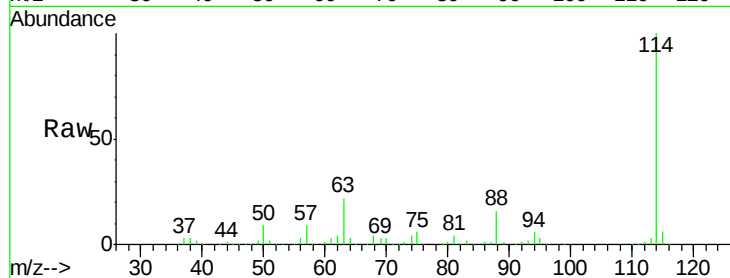
Tgt Ion:114 Resp: 270586

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.4

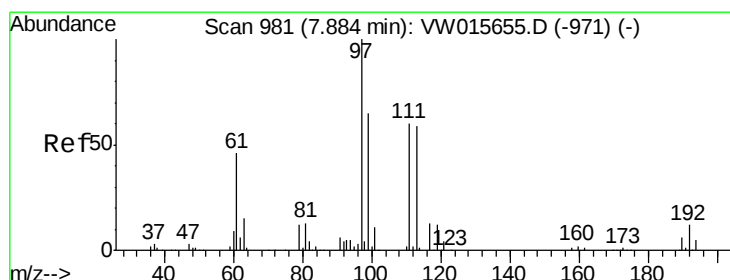
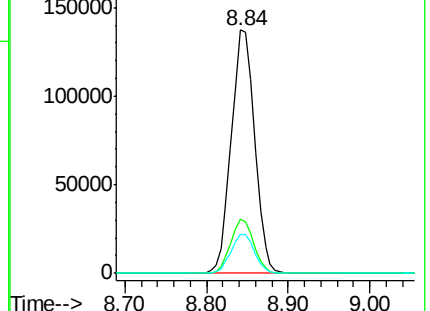
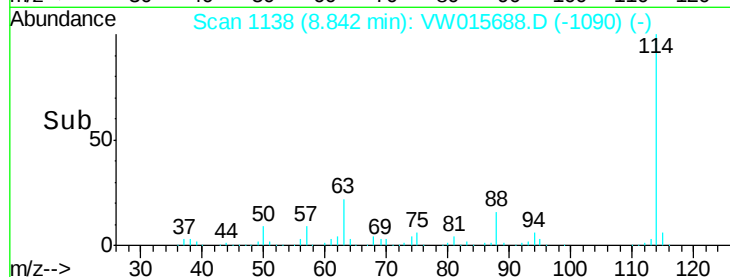
88 15.7 0.0 32.6



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: 51.450 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

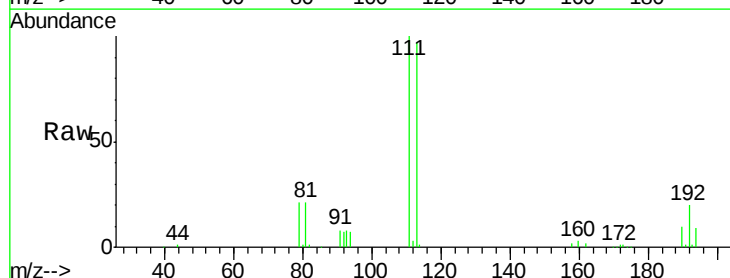
Tgt Ion:113 Resp: 87572

Ion Ratio Lower Upper

113 100

111 104.8 82.3 123.5

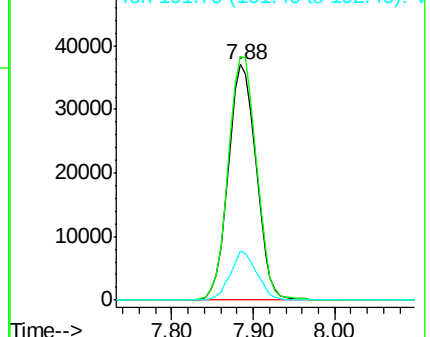
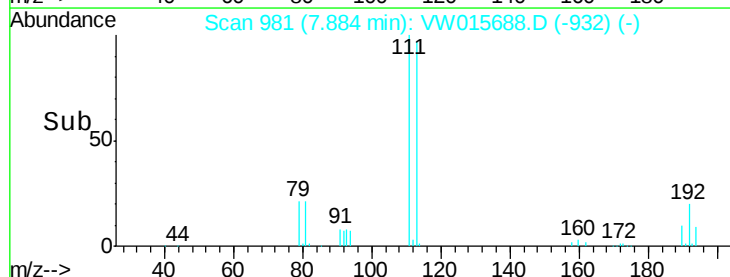
192 19.7 16.4 24.6

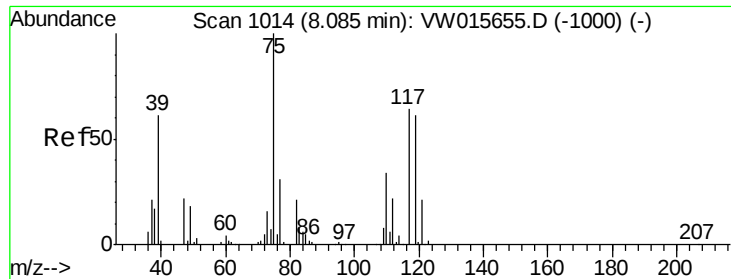


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampled :

SB-17

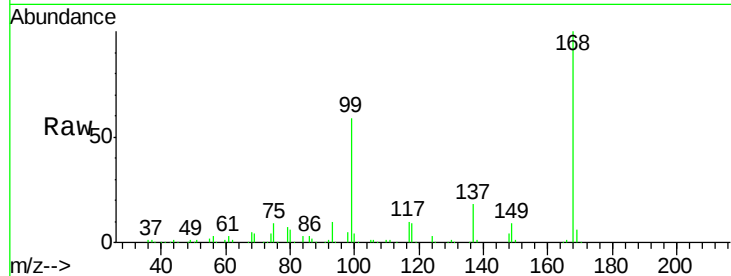
Tgt Ion: 75 Resp: 13063

Ion Ratio Lower Upper

75 100

110 9.5 17.0 51.0#

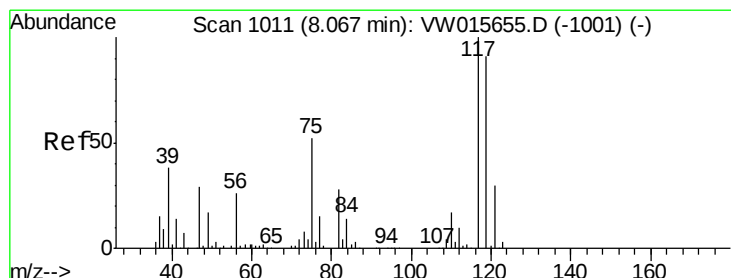
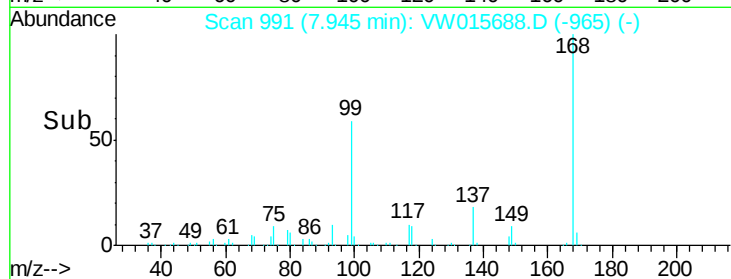
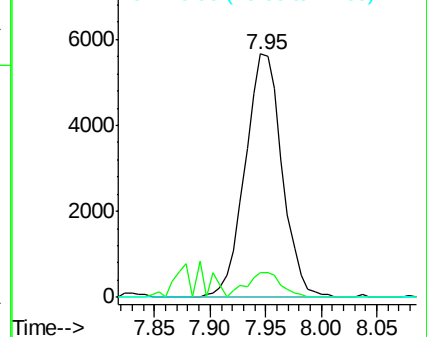
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

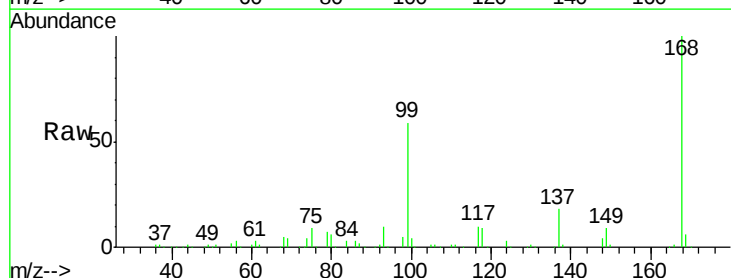
Tgt Ion: 117 Resp: 15117

Ion Ratio Lower Upper

117 100

119 4.9 73.2 109.8#

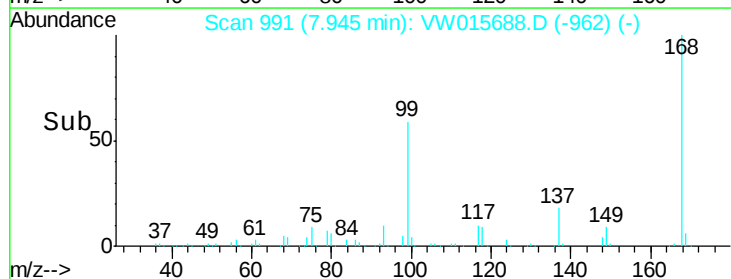
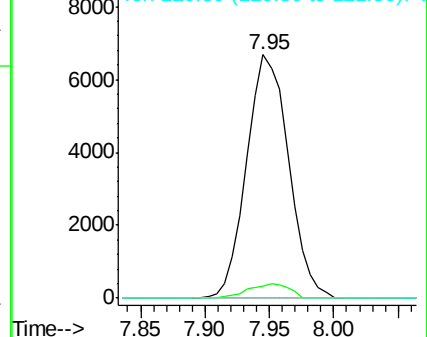
121 0.0 23.9 35.9#

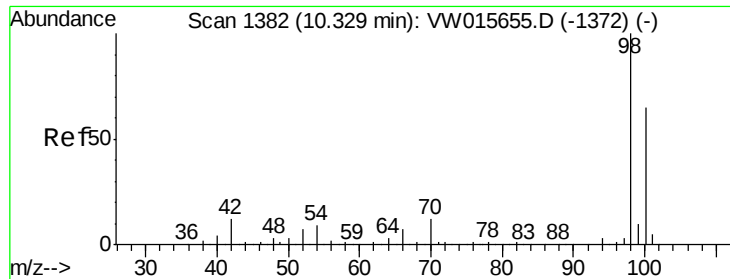


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.012 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampled :

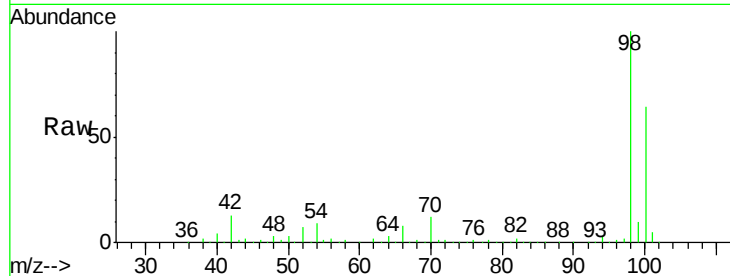
SB-17

Tgt Ion: 98 Resp: 341695

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

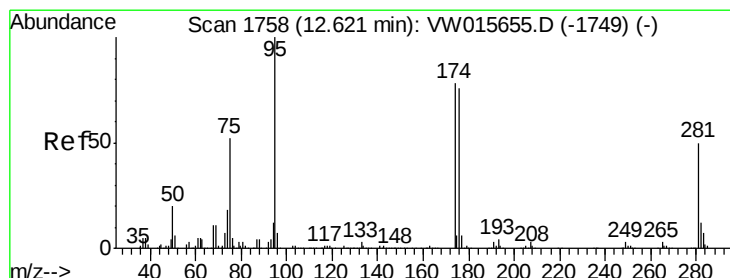
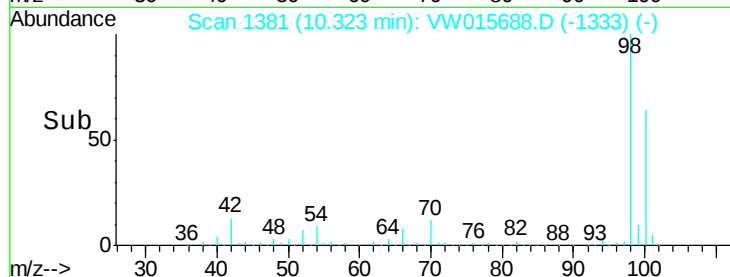
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.784 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

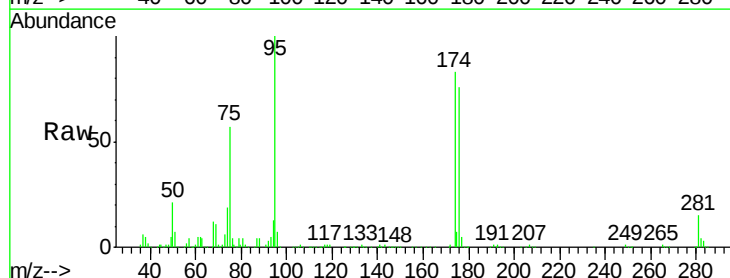
Tgt Ion: 95 Resp: 117875

Ion Ratio Lower Upper

95 100

174 77.3 0.0 157.0

176 76.7 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

12.62

100000

80000

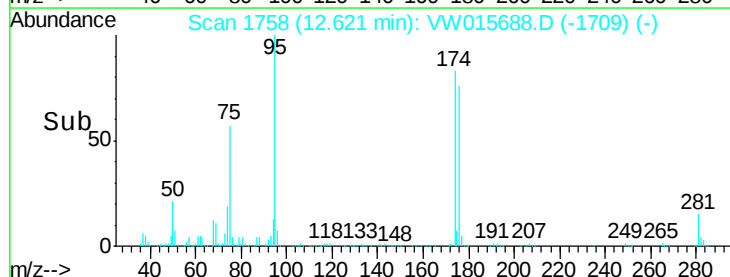
60000

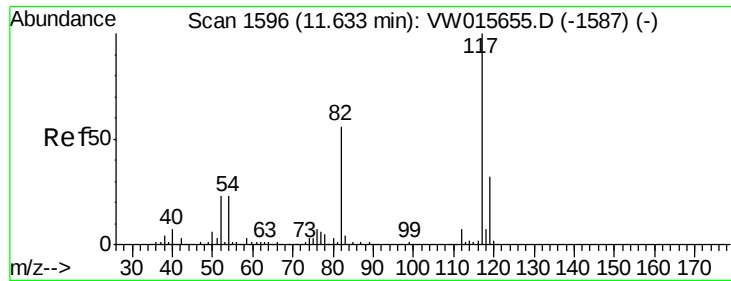
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampled :

SB-17

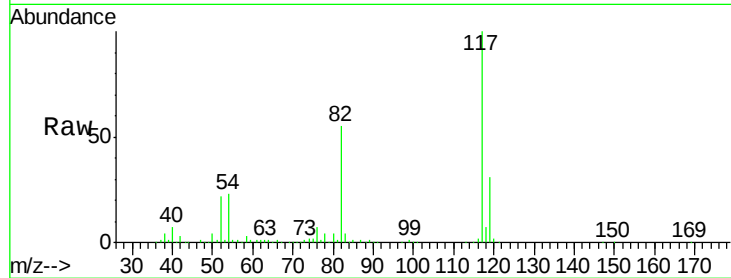
Tgt Ion:117 Resp: 259612

Ion Ratio Lower Upper

117 100

82 54.8 45.1 67.7

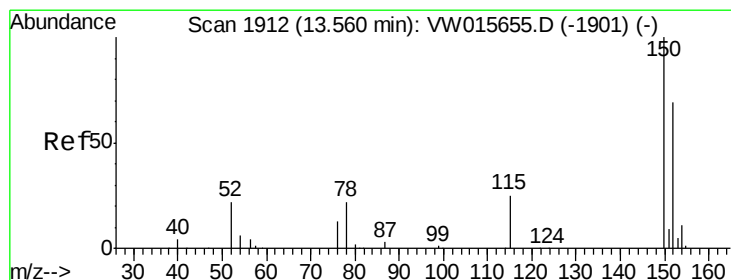
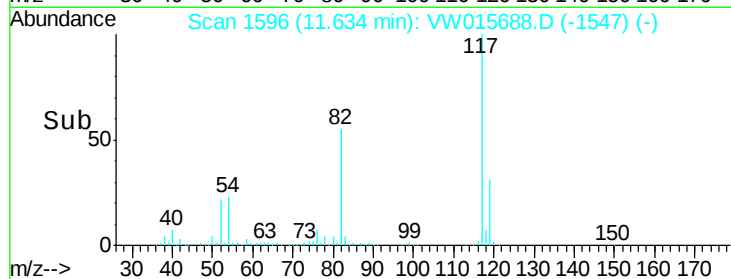
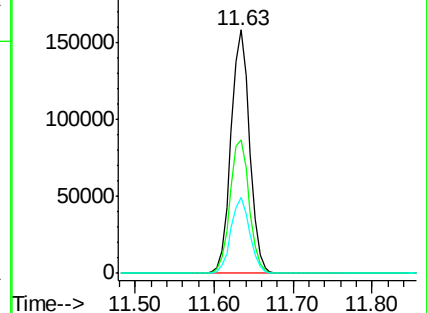
119 31.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

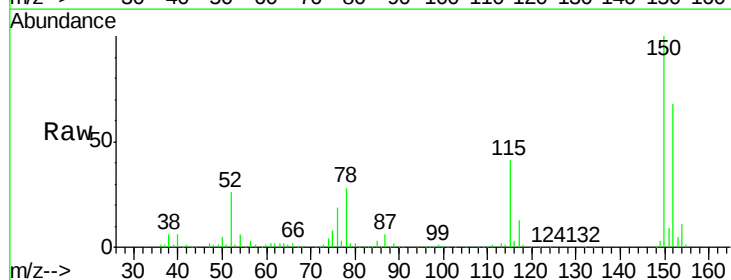
Tgt Ion:152 Resp: 116063

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.5

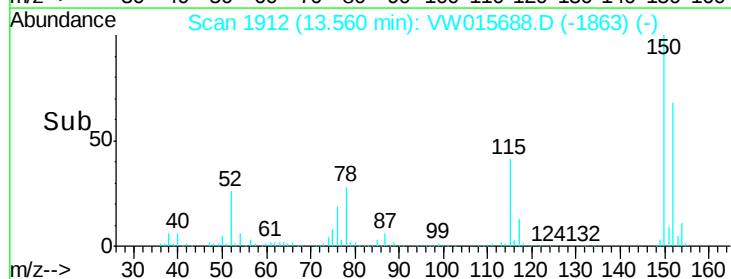
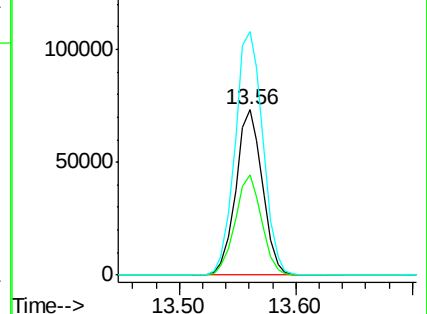
150 154.5 0.0 345.6

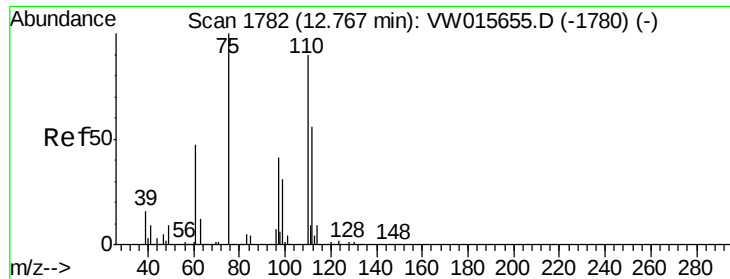


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.816 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

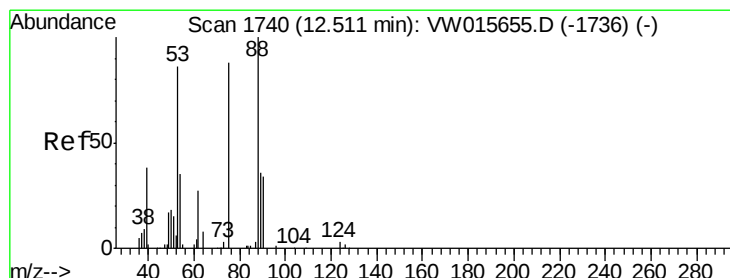
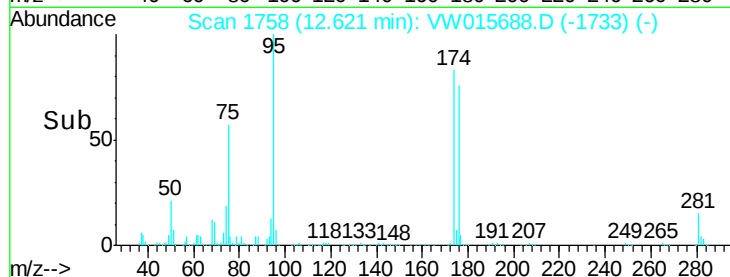
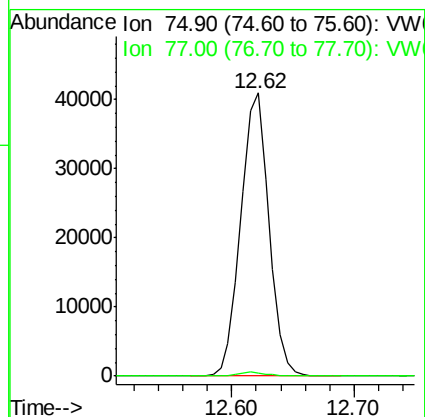
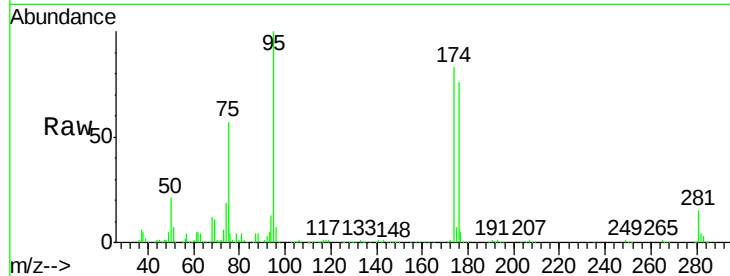
SB-17

Tgt Ion: 75 Resp: 65443

Ion Ratio Lower Upper

75 100

77 1.4 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.779 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015688.D

Acq: 24 Jun 2020 17:32

Tgt Ion: 75 Resp: 65443

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.1 36.6 55.0#

