

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015687.D
 Acq On : 24 Jun 2020 17:06
 Operator : SY/VA
 Sample : L3082-15RE
 Misc : 5.66G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-16

Quant Time: Jun 25 02:05:01 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	155227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	280632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115717	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	104431	60.47	ug/l	0.00
Spiked Amount			Recovery	=	120.94%	
35) Dibromofluoromethane	7.88	113	88944	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.33	98	346652	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.62	95	117765	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

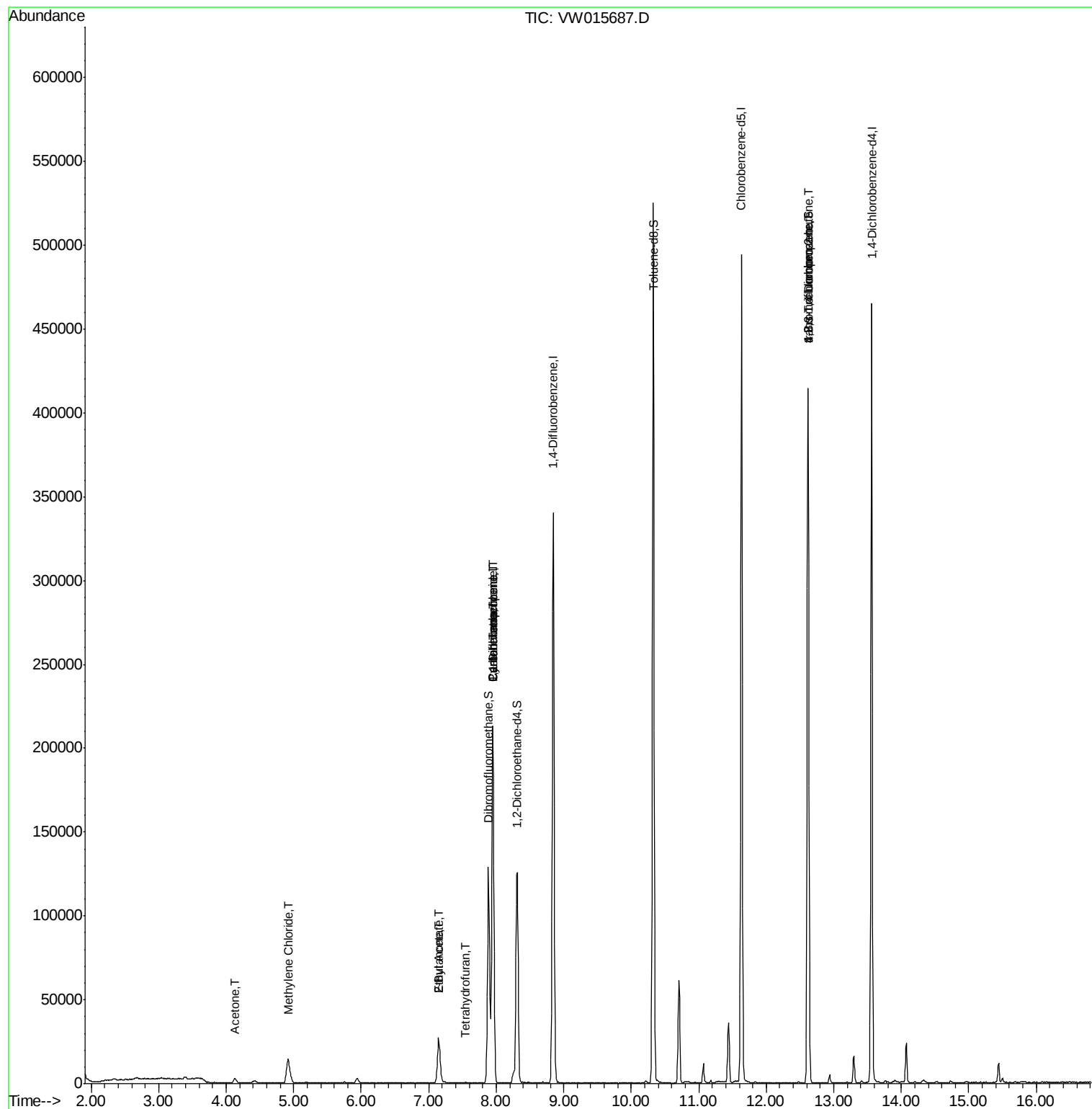
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	890	Below Cal	#	72
16) Acetone	4.13	43	5096	15.521	ug/l #	87
18) Methyl Acetate	4.69	43	64	Below Cal	#	52
20) Methylene Chloride	4.92	84	11832	3.126	ug/l	93
25) 2-Butanone	7.15	43	1948	4.390	ug/l #	70
29) Tetrahydrofuran	7.55	42	425	1.630	ug/l #	49
31) Cyclohexane	7.95	56	3972	1.335	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	12833	4.397	ug/l #	51
37) Ethyl Acetate	7.15	43	1948	1.748	ug/l #	6
38) Carbon Tetrachloride	7.95	117	15751	5.567	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	65390	61.951	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	65390	156.118	ug/l #	8

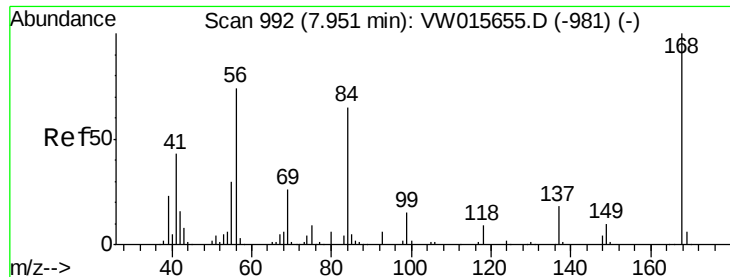
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
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MSVOA_W
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SB-16

Quant Time: Jun 25 02:05:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
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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: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

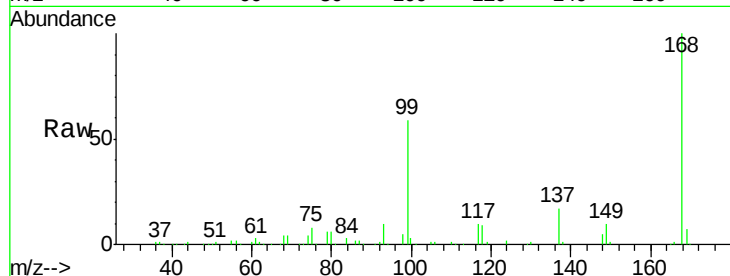
SB-16

Tgt Ion: 168 Resp: 155227

Ion Ratio Lower Upper

168 100

99 59.3 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW015687.D (-943) (-)

Ion 98.90 (98.60 to 99.60): VW015687.D (-943) (-)

7.95

80000

60000

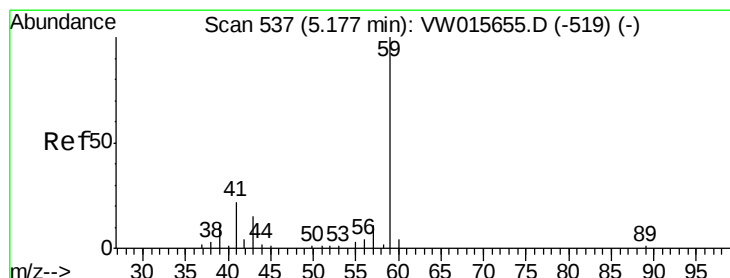
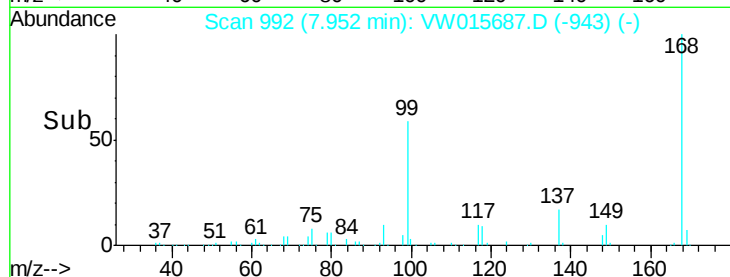
40000

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: VW015687.D

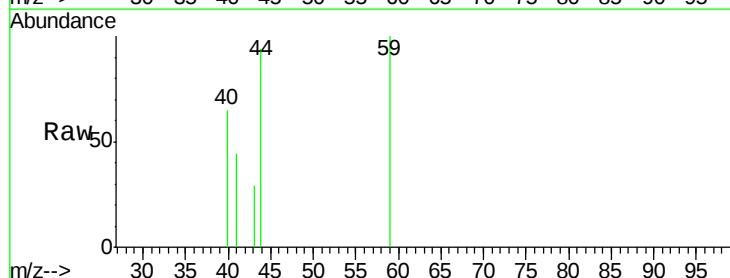
Acq: 24 Jun 2020 17:06

Tgt Ion: 59 Resp: 890

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW015687.D (-488) (-)

Ion 57.00 (56.70 to 57.70): VW015687.D (-488) (-)

5.20

300

250

200

150

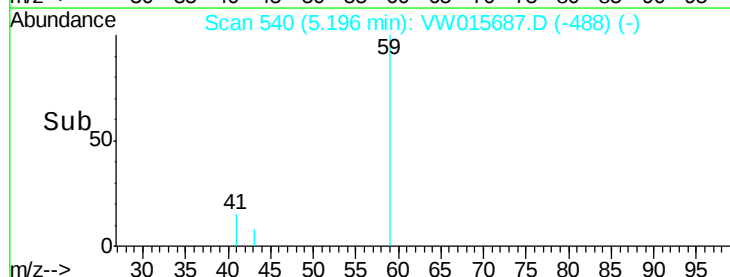
100

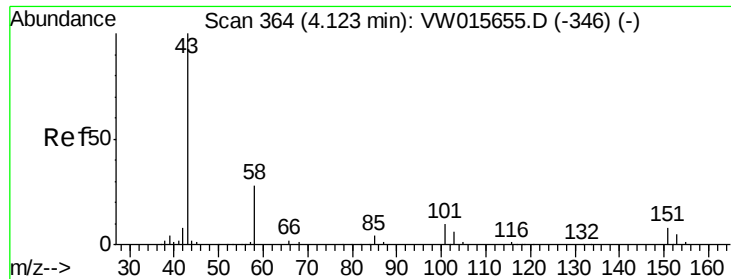
50

0

5.10 5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 15.521 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

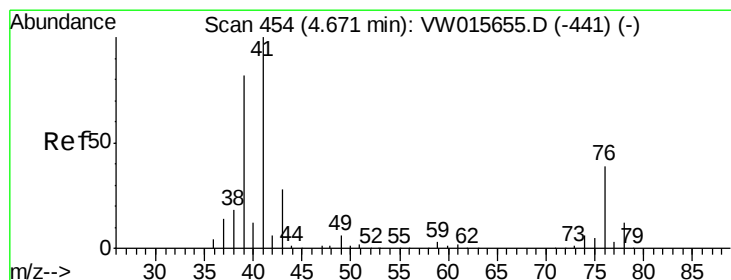
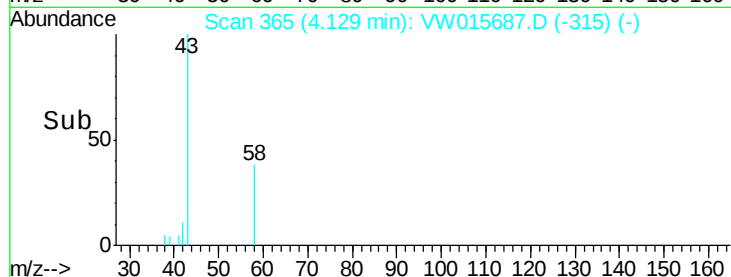
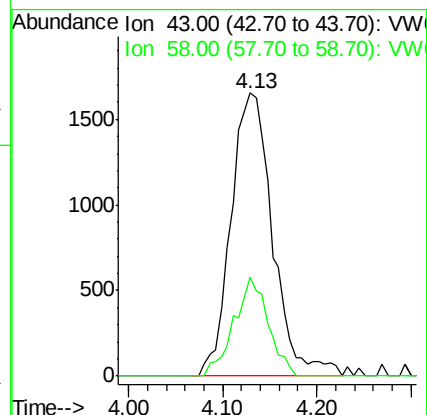
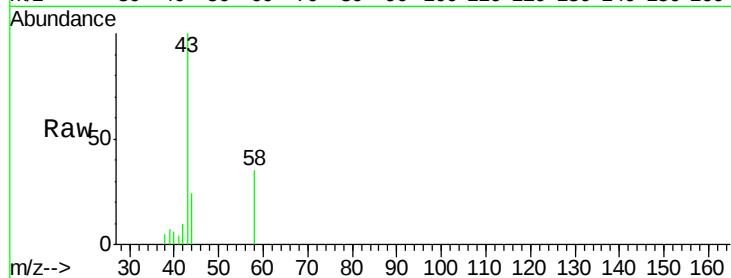
SB-16

Tgt Ion: 43 Resp: 5096

Ion Ratio Lower Upper

43 100

58 35.2 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW015687.D

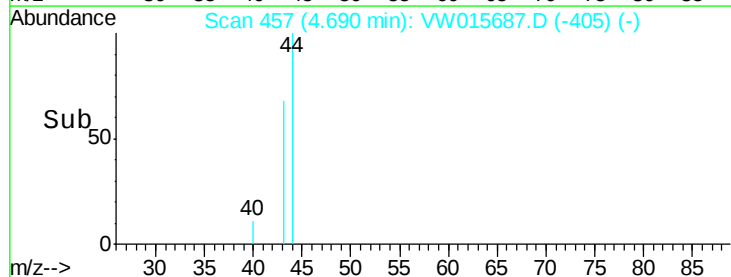
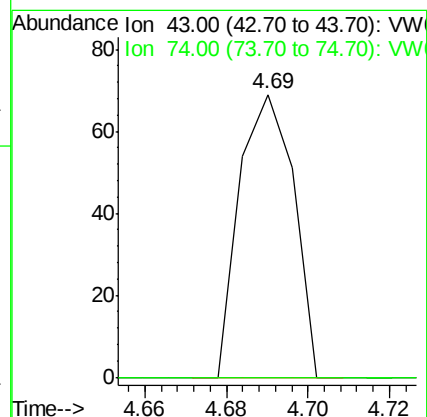
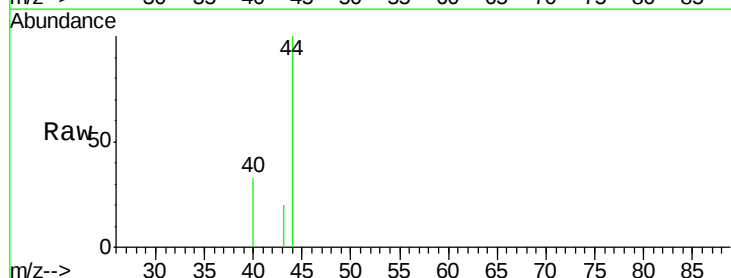
Acq: 24 Jun 2020 17:06

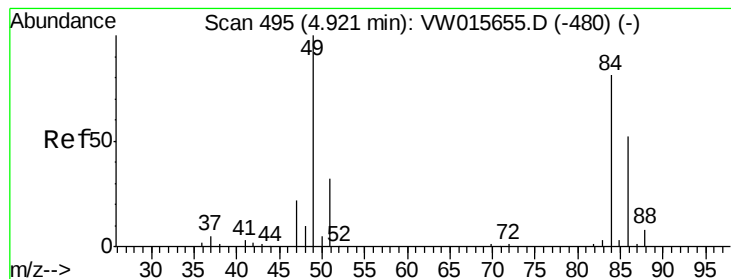
Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#





#20

Methylene Chloride

Concen: 3.126 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampleId :

SB-16

Tgt Ion: 84 Resp: 11832

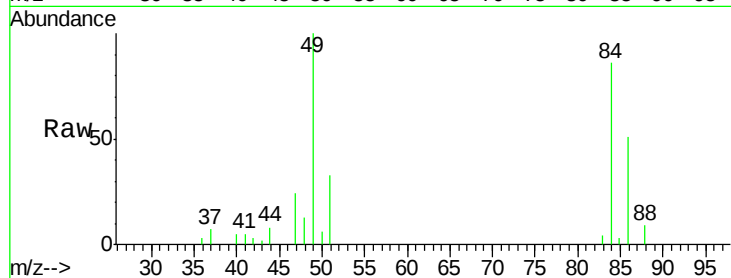
Ion Ratio Lower Upper

84 100

49 115.9 99.3 148.9

51 38.4 31.8 47.6

86 58.5 51.7 77.5

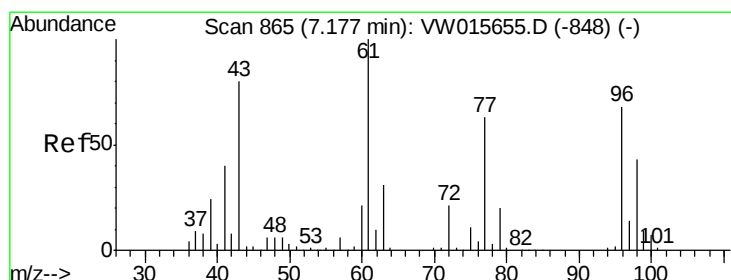
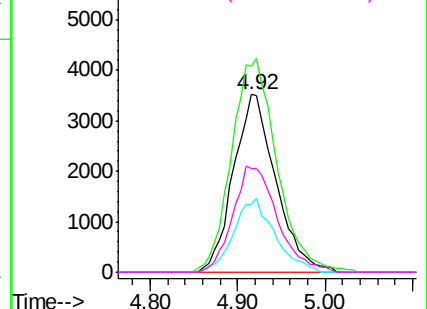
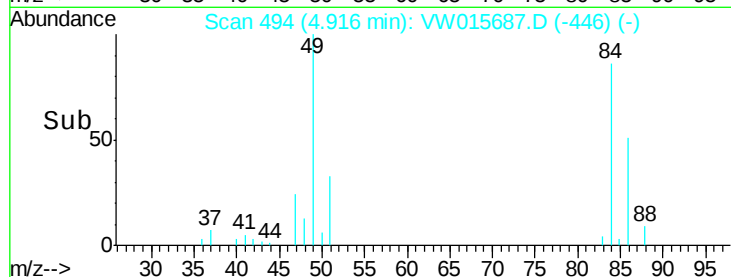


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.390 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW015687.D

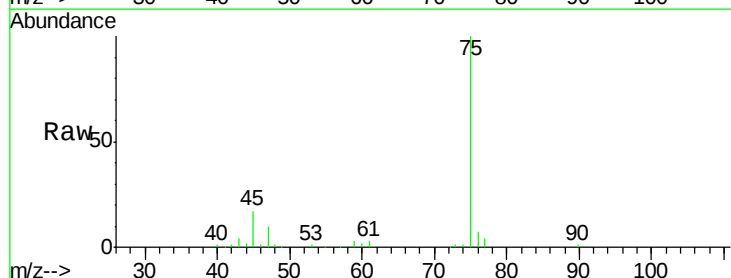
Acq: 24 Jun 2020 17:06

Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

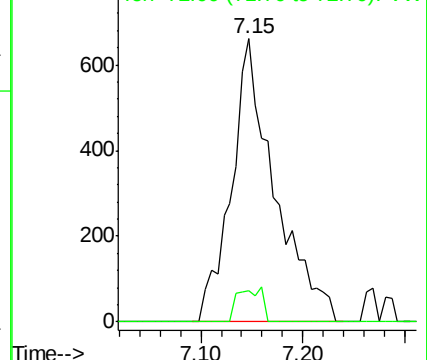
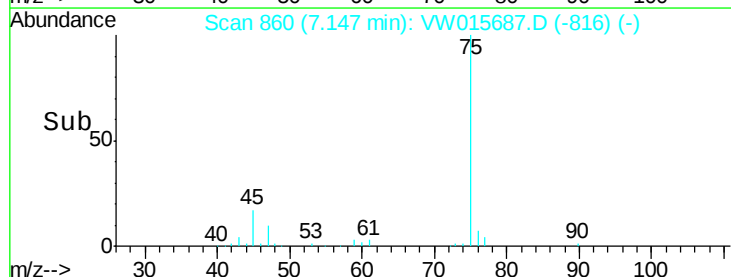
43 100

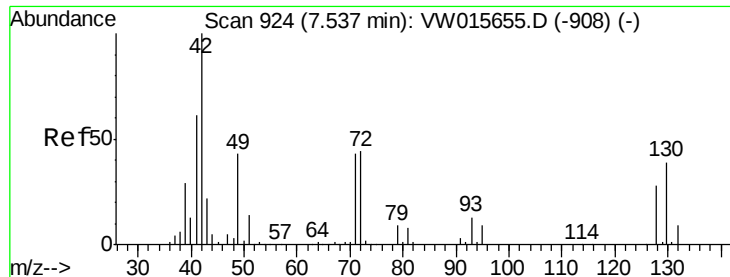
72 10.9 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.630 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

SB-16

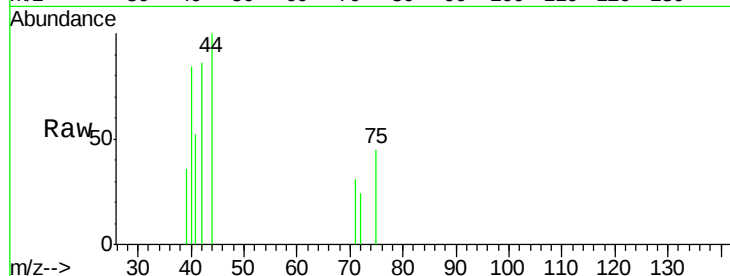
Tgt Ion: 42 Resp: 425

Ion Ratio Lower Upper

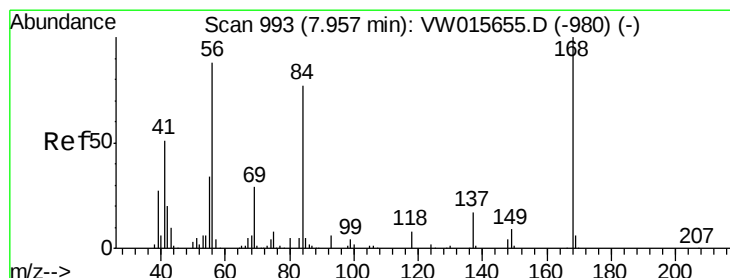
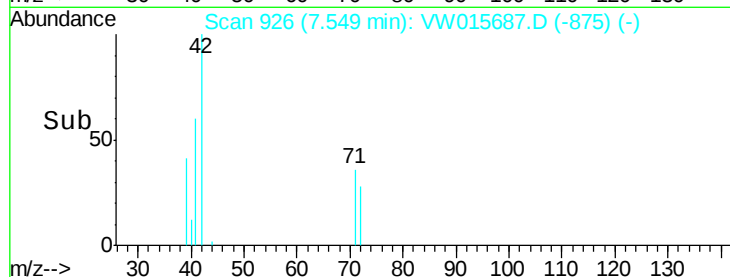
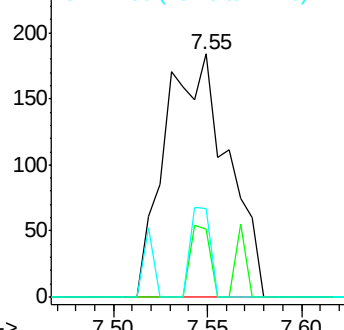
42 100

72 8.9 35.0 52.6#

71 11.5 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: 1.335 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

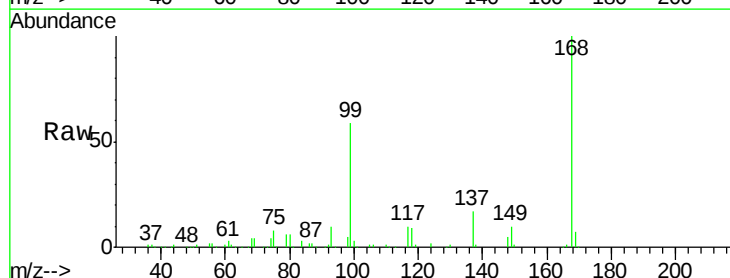
Tgt Ion: 56 Resp: 3972

Ion Ratio Lower Upper

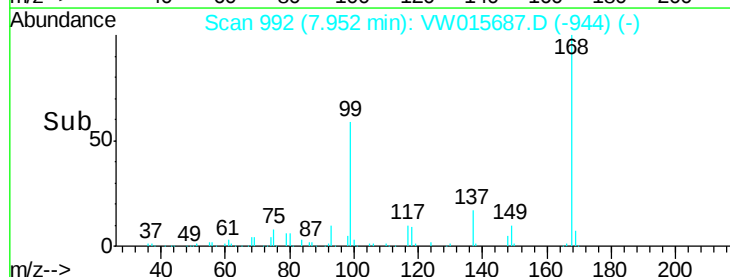
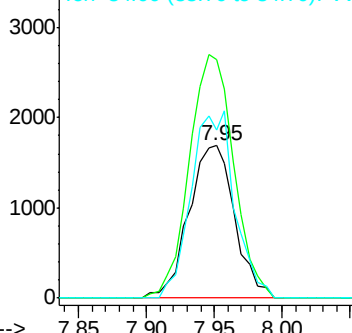
56 100

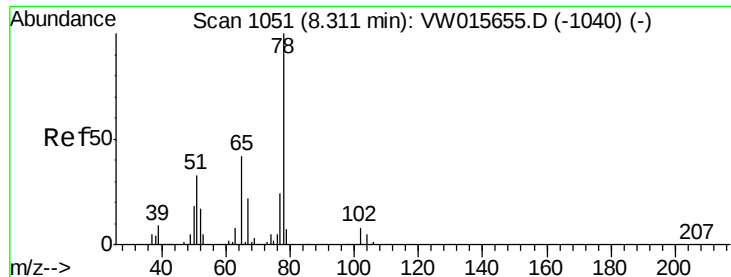
69 156.5 26.2 39.4#

84 110.3 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: 60.466 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

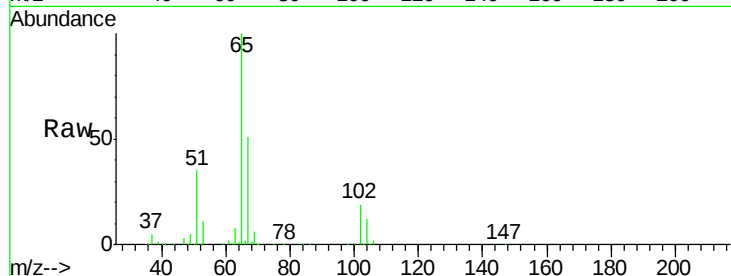
SB-16

Tgt Ion: 65 Resp: 104431

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

50000

40000

30000

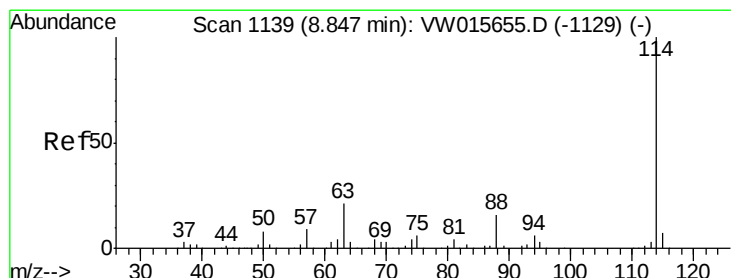
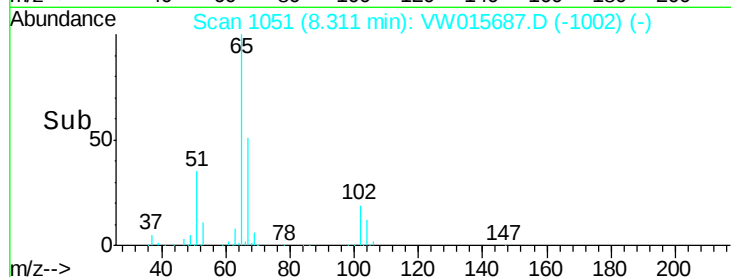
20000

10000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

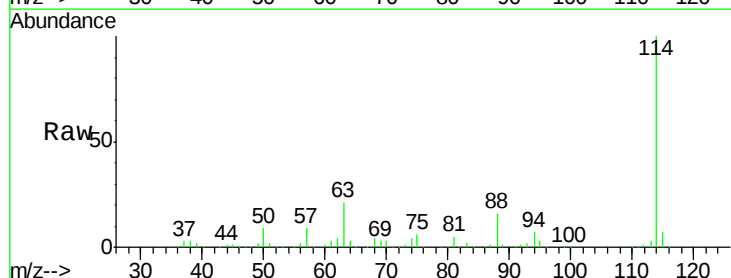
Tgt Ion: 114 Resp: 280632

Ion Ratio Lower Upper

114 100

63 21.3 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

8.84

150000

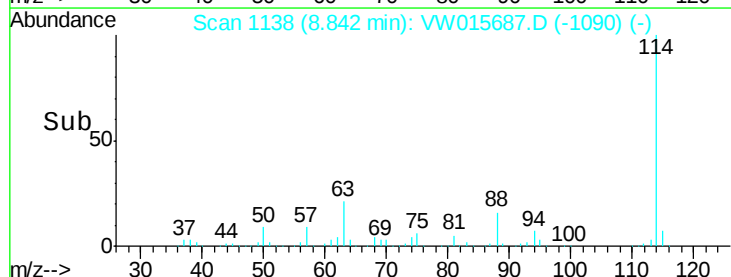
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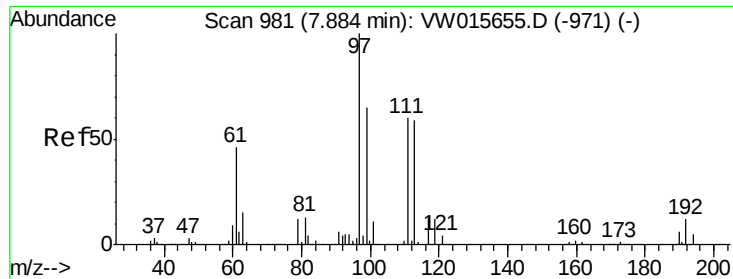
50000

0

8.70 8.80 8.90 9.00

Time-->

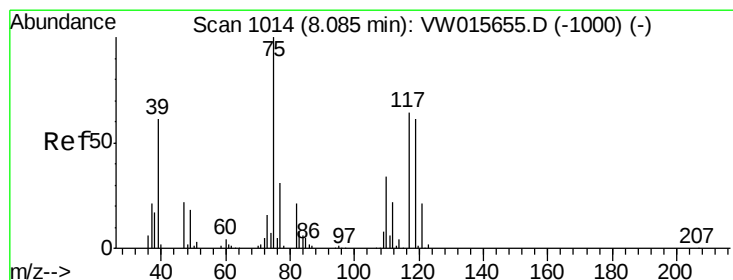
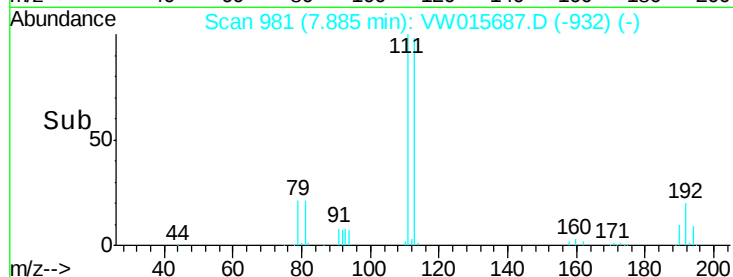
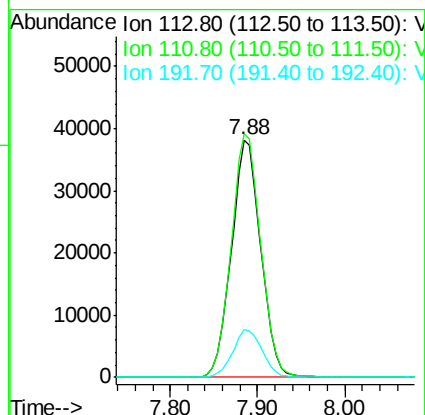
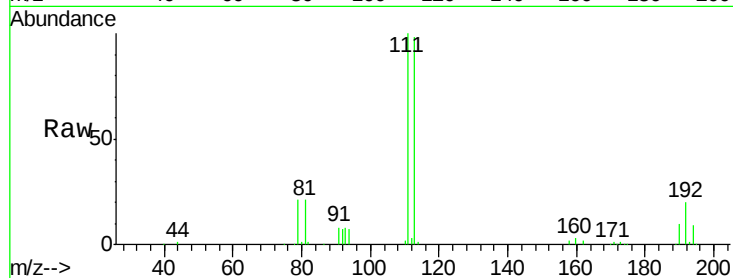




#35
 Dibromofluoromethane
 Concen: 50.386 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015687.D
 Acq: 24 Jun 2020 17:06

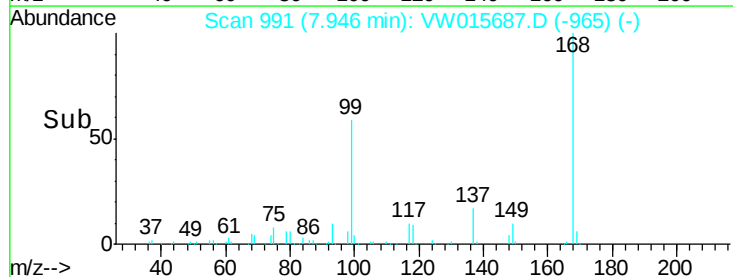
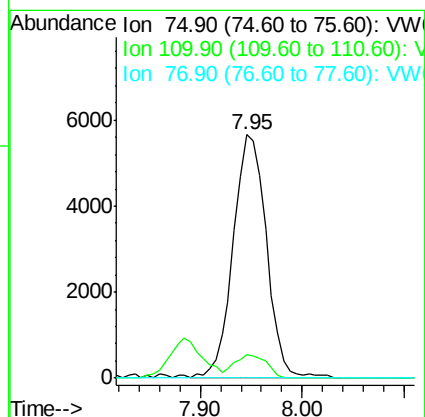
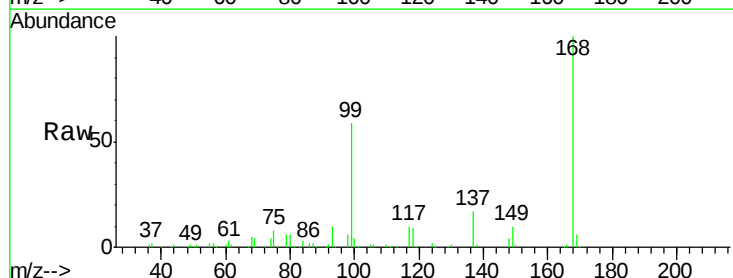
Instrument :
 MSVOA_W
 ClientSampled :
 SB-16

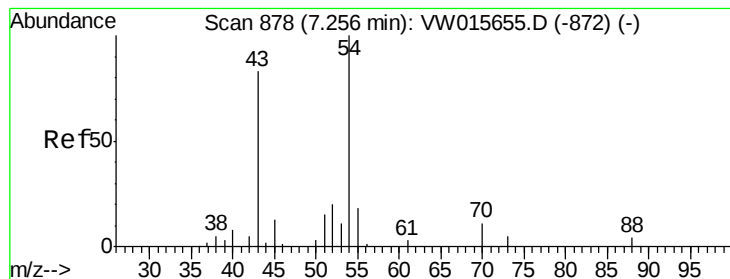
Tgt Ion:113 Resp: 88944
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.3 123.5
 192 20.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.397 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015687.D
 Acq: 24 Jun 2020 17:06

Tgt Ion: 75 Resp: 12833
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.0 51.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.748 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.11 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

SB-16

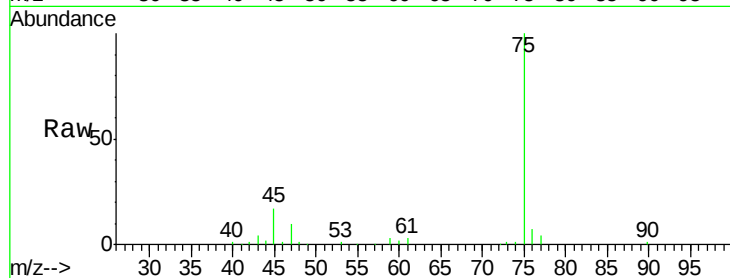
Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

61 71.9 10.4 15.6#

70 0.0 8.4 12.6#

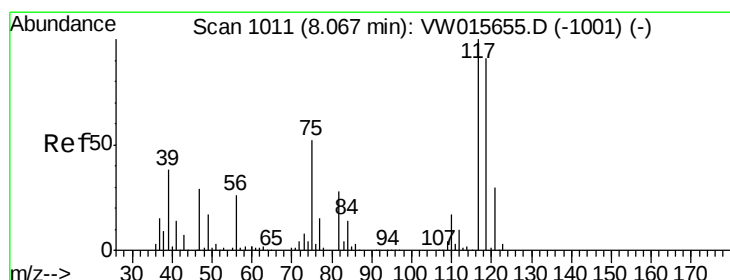
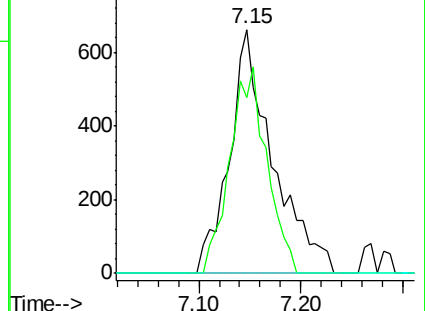
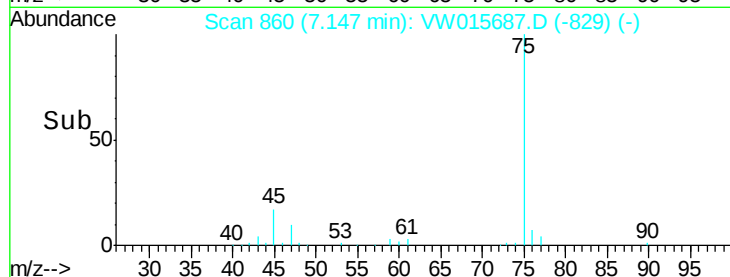


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

Time-->



#38

Carbon Tetrachloride

Concen: 5.567 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

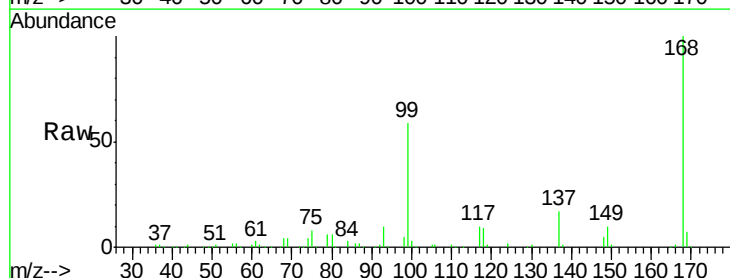
Tgt Ion: 117 Resp: 15751

Ion Ratio Lower Upper

117 100

119 5.6 73.2 109.8#

121 0.0 23.9 35.9#

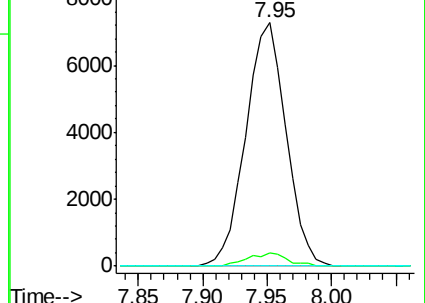
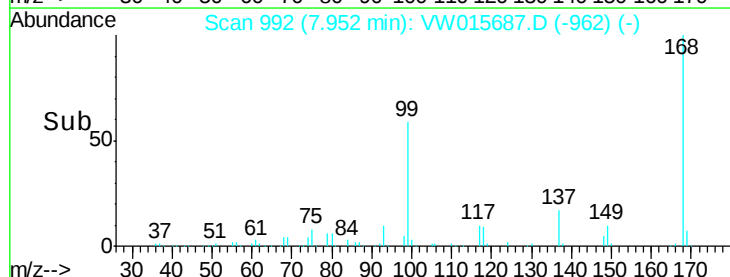


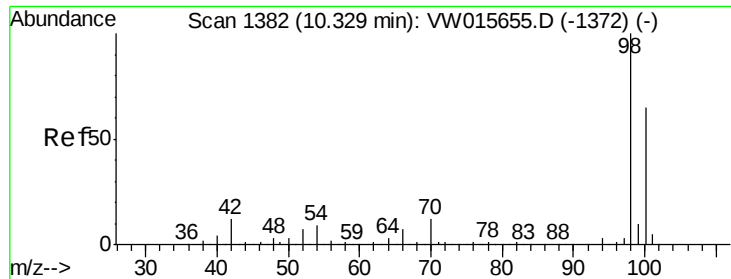
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->





#50

Toluene-d8

Concen: 49.900 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

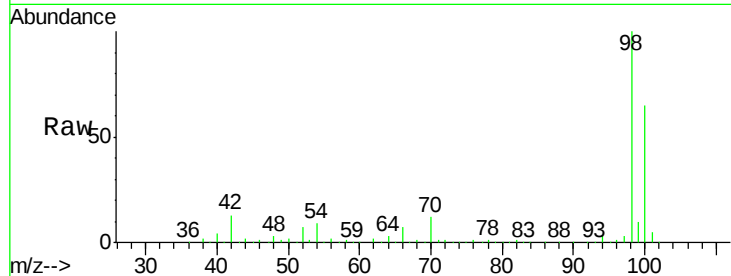
SB-16

Tgt Ion: 98 Resp: 346652

Ion Ratio Lower Upper

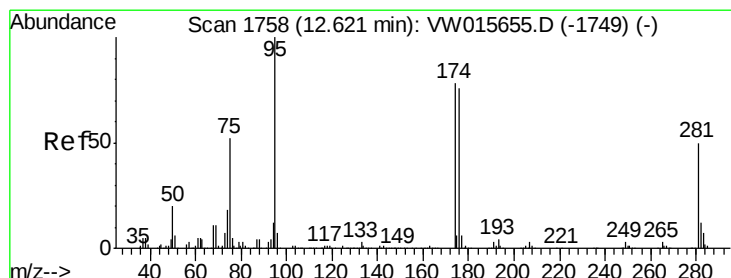
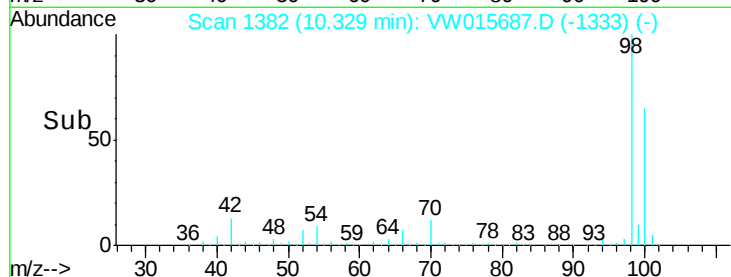
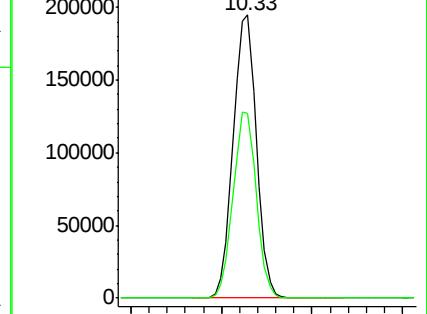
98 100

100 65.8 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: 46.031 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

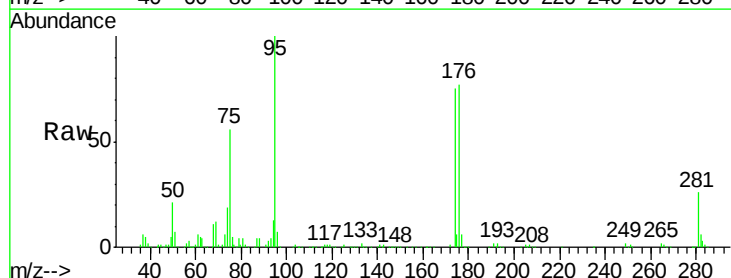
Tgt Ion: 95 Resp: 117765

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.0

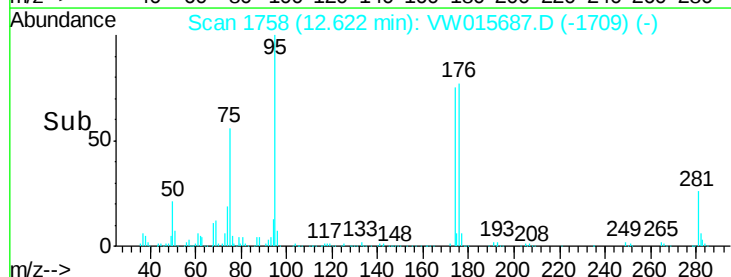
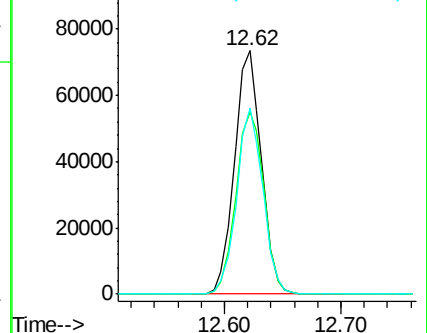
176 74.9 0.0 151.4

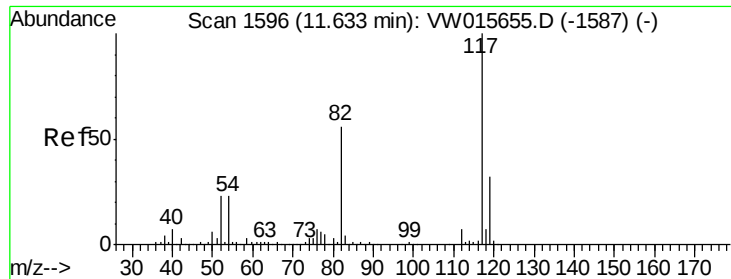


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

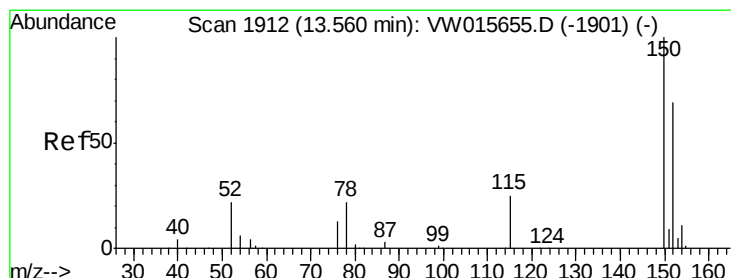
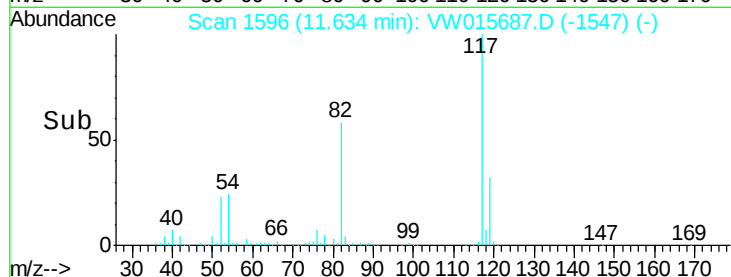
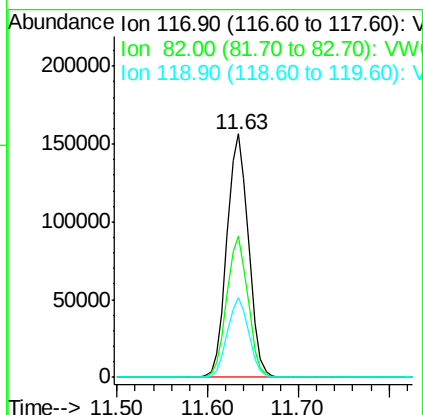
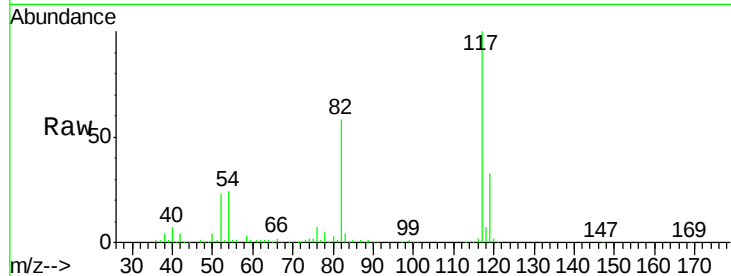




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015687.D
Acq: 24 Jun 2020 17:06

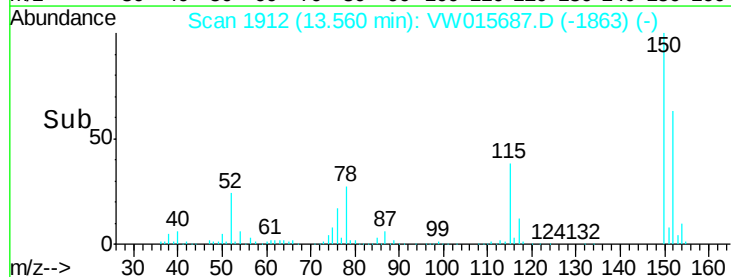
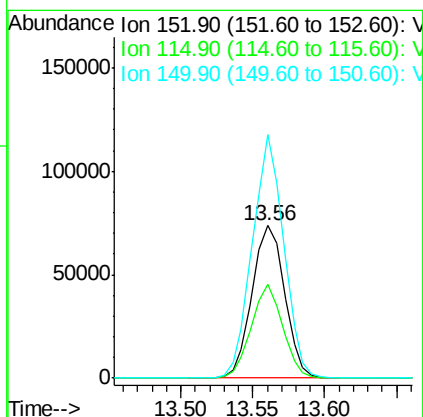
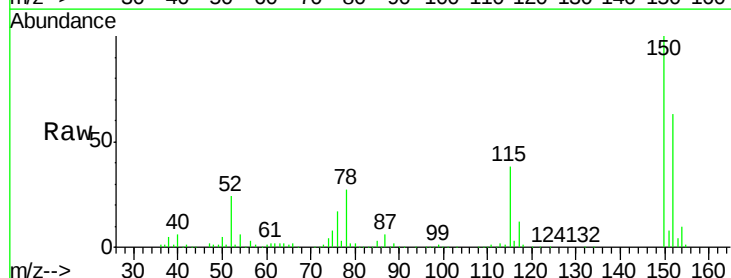
Instrument :
MSVOA_W
ClientSampled :
SB-16

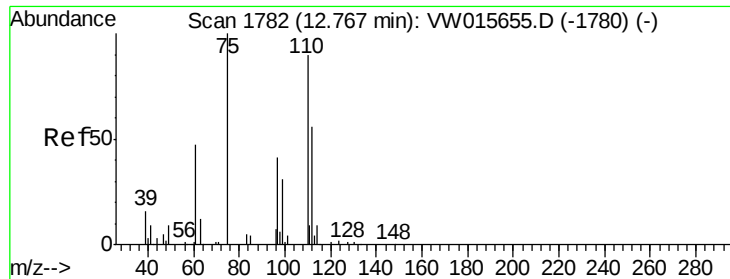
Tgt Ion:117 Resp: 258200
Ion Ratio Lower Upper
117 100
82 57.9 45.1 67.7
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015687.D
Acq: 24 Jun 2020 17:06

Tgt Ion:152 Resp: 115717
Ion Ratio Lower Upper
152 100
115 58.7 30.1 90.5
150 152.8 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 61.951 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Instrument :

MSVOA_W

ClientSampled :

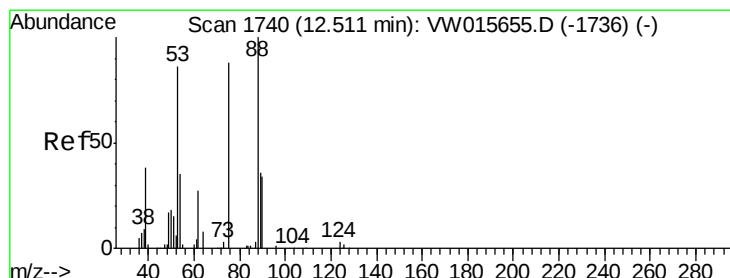
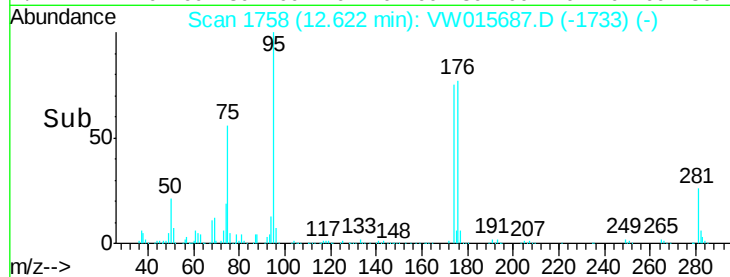
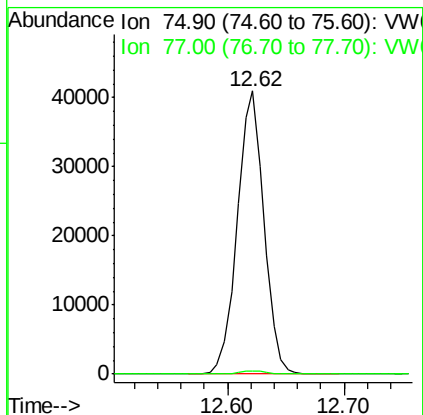
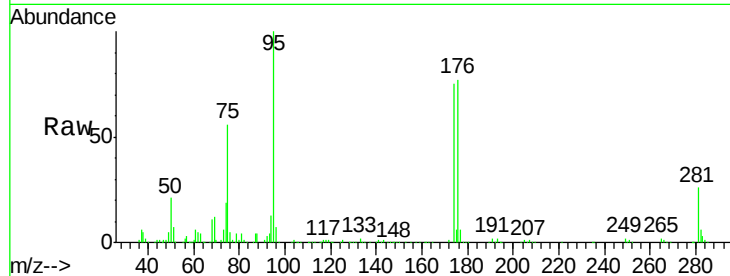
SB-16

Tgt Ion: 75 Resp: 65390

Ion Ratio Lower Upper

75 100

77 1.2 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 156.118 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015687.D

Acq: 24 Jun 2020 17:06

Tgt Ion: 75 Resp: 65390

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.2 36.6 55.0#

