

Data File : VW011171.D
Acq On : 09 Jul 2019 11:30
Operator : SY/VA
Sample : VW0709SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Quant Time: Jul 10 04:28:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 07:16:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153511	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143073	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.88	113	111777	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.32	98	455113	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.62	95	160505	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

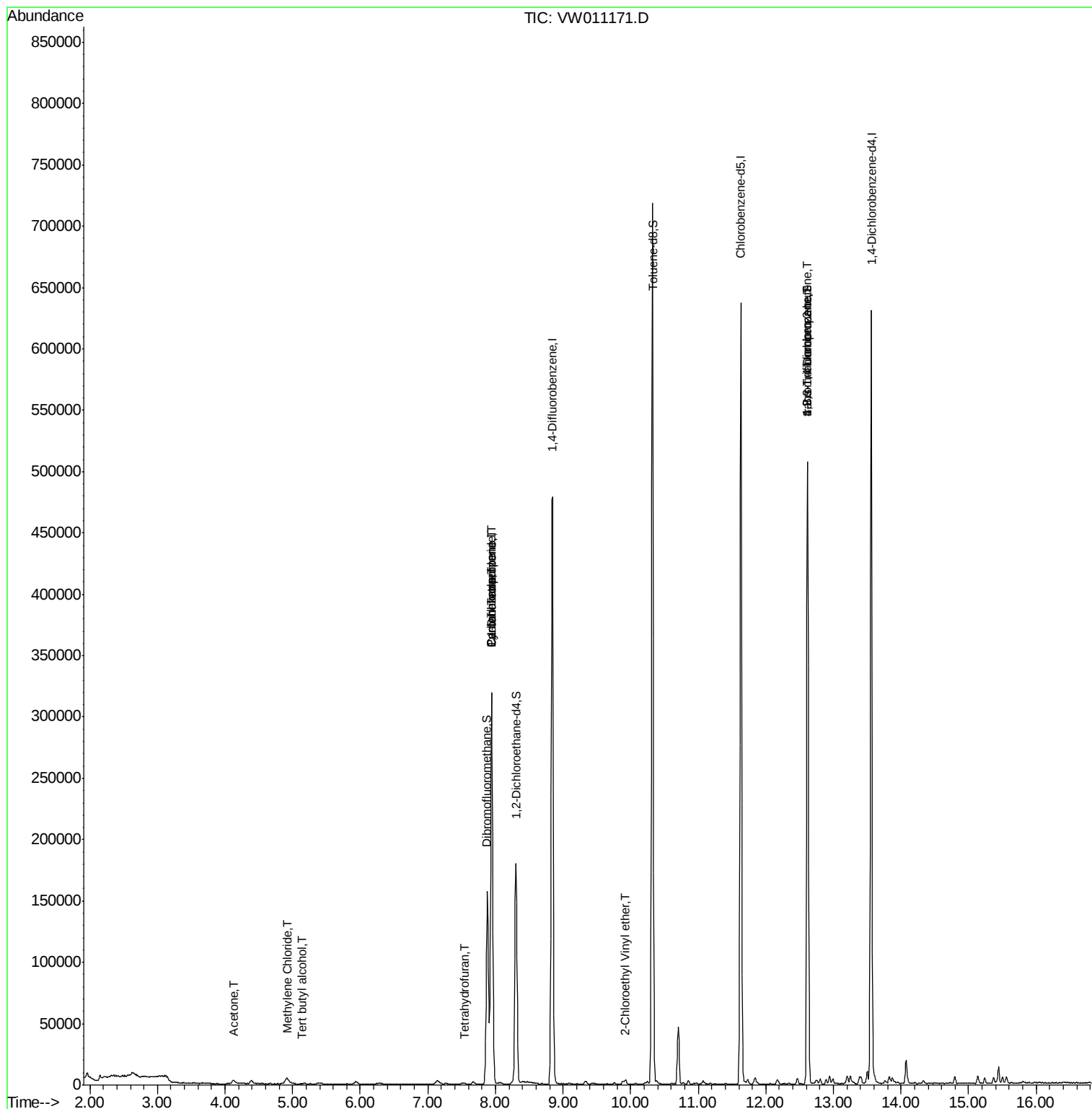
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.14	59	227	1.070 ug/l #	62	
16) Acetone	4.12	43	6577	9.542 ug/l	91	
18) Methyl Acetate	4.66	43	93	Below Cal #	57	
20) Methylene Chloride	4.92	84	3881	1.427 ug/l	85	
29) Tetrahydrofuran	7.54	42	714	1.006 ug/l #	75	
31) Cyclohexane	7.94	56	6705	1.208 ug/l #	5	
36) 1,1-Dichloropropene	7.95	75	20188	5.036 ug/l #	51	
38) Carbon Tetrachloride	7.95	117	23774	6.996 ug/l #	15	
58) 2-Chloroethyl Vinyl ether	9.93	63	1502	1.064 ug/l	94	
76) 1,2,3-Trichloropropane	12.62	75	86561	48.794 ug/l #	100	
81) trans-1,4-Dichloro-2-buten	12.62	75	86561	110.362 ug/l #	6	

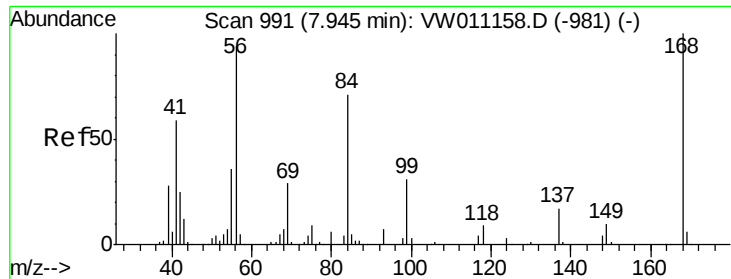
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011171.D

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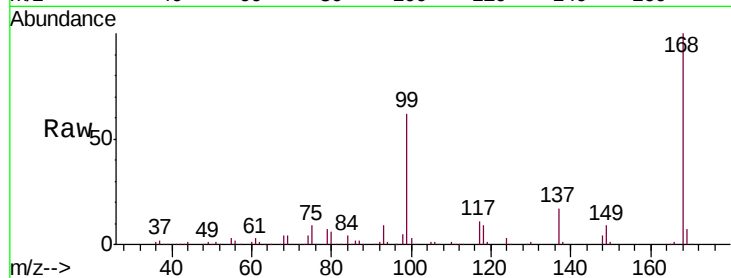
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Tgt Ion: 168 Resp: 227981

Ion Ratio Lower Upper

168 100

99 61.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

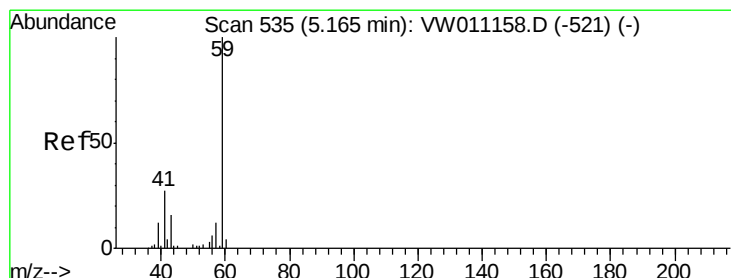
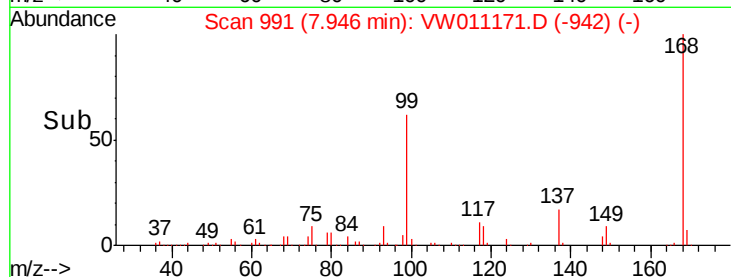
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.070 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW011171.D

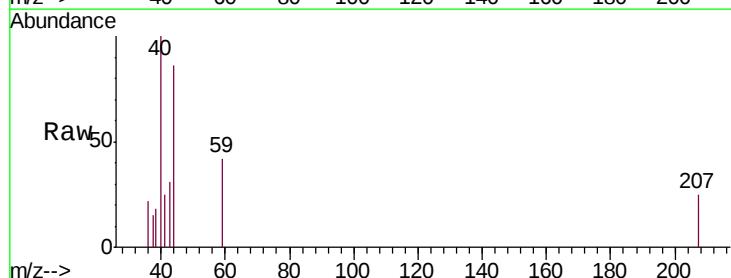
Acq: 09 Jul 2019 11:30

Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

59 100

57 26.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

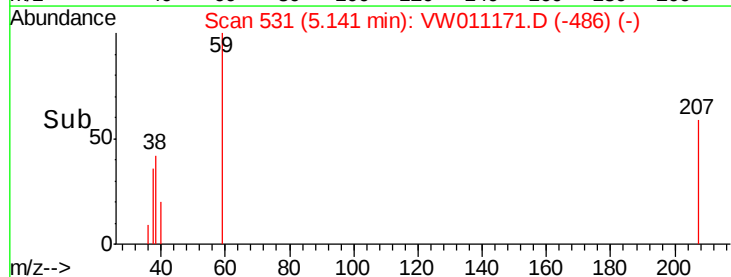
150

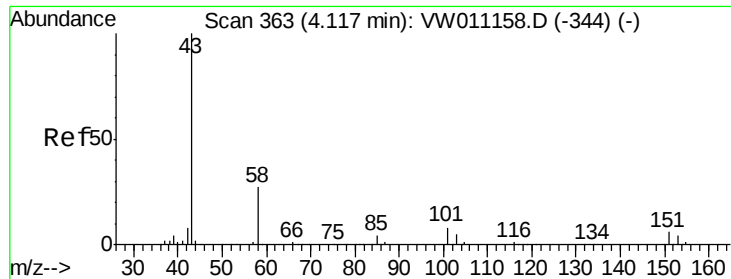
100

50

0

Time--> 5.10 5.12 5.14 5.16

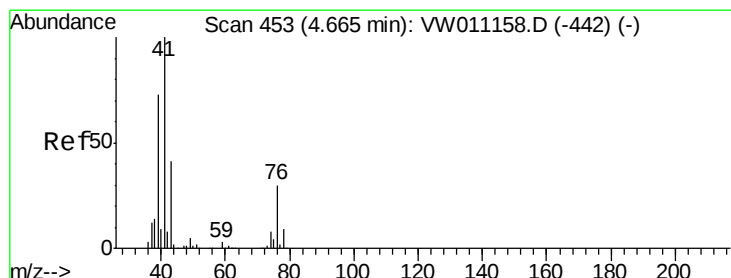
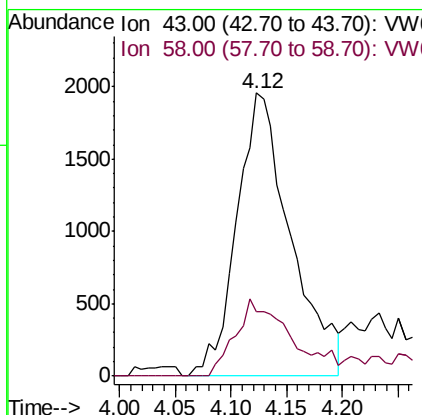
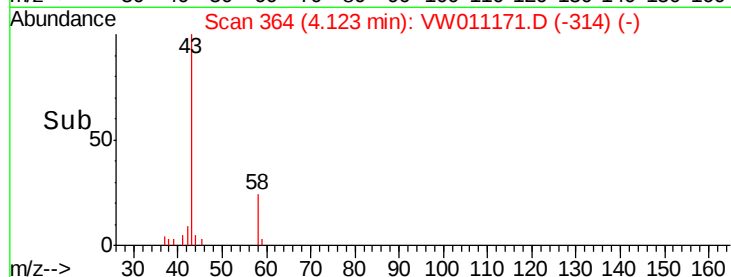
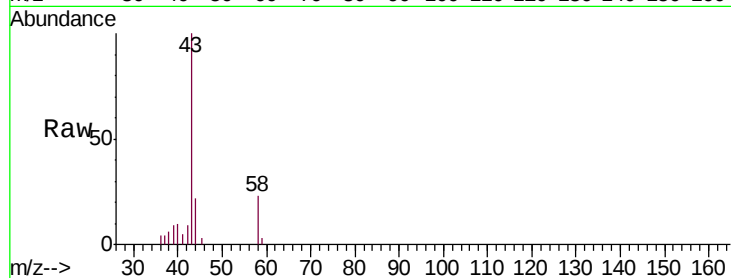




#16
Acetone
Concen: 9.542 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011171.D
Acq: 09 Jul 2019 11:30

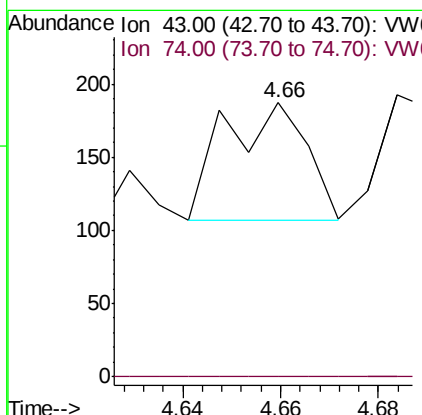
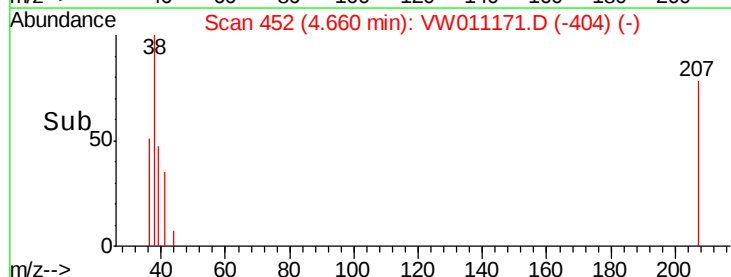
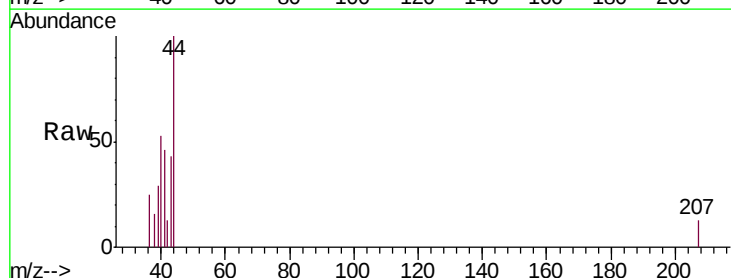
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

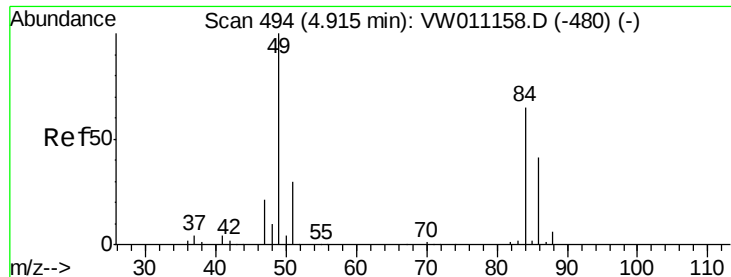
Tgt Ion: 43 Resp: 6577
Ion Ratio Lower Upper
43 100
58 22.6 21.8 32.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011171.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#





#20

Methylene Chloride

Concen: 1.427 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0709SBL01

Tgt Ion: 84 Resp: 3881

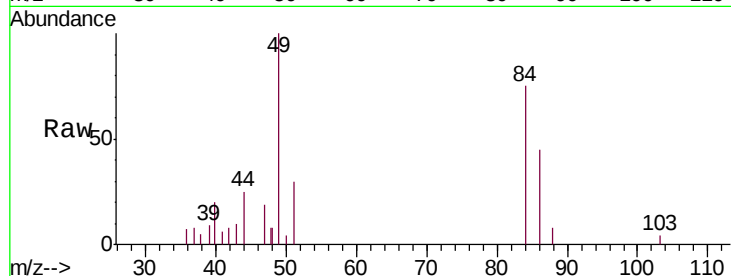
Ion Ratio Lower Upper

84 100

49 128.0 123.8 185.6

51 40.6 37.4 56.2

86 59.8 51.1 76.7

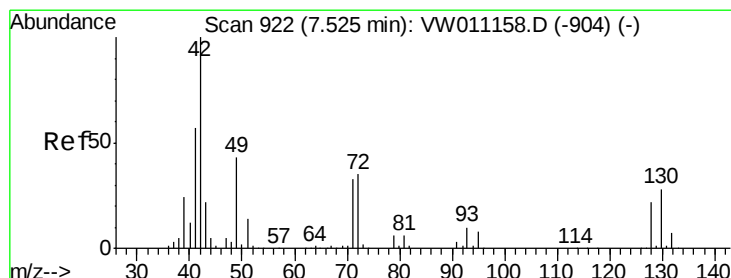
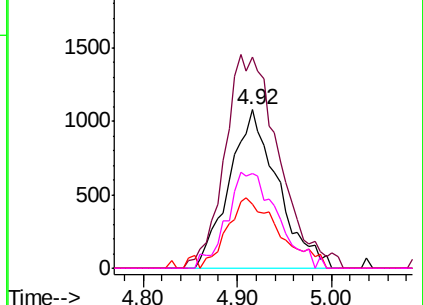
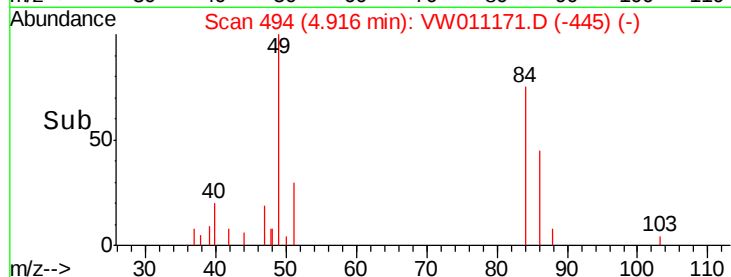


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.006 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

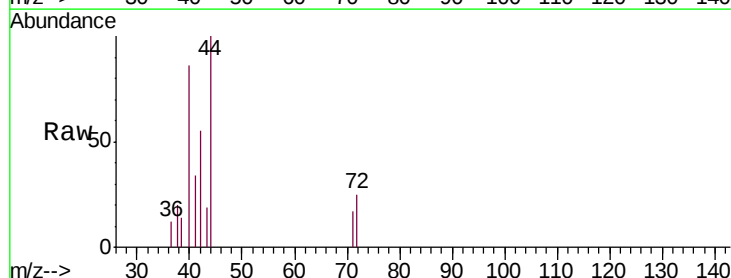
Tgt Ion: 42 Resp: 714

Ion Ratio Lower Upper

42 100

72 18.1 27.4 41.2#

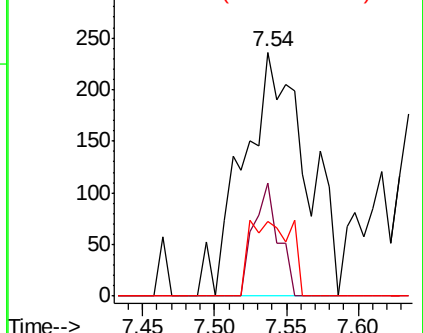
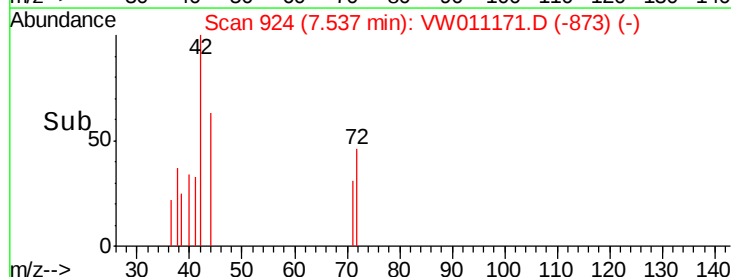
71 20.3 25.9 38.9#

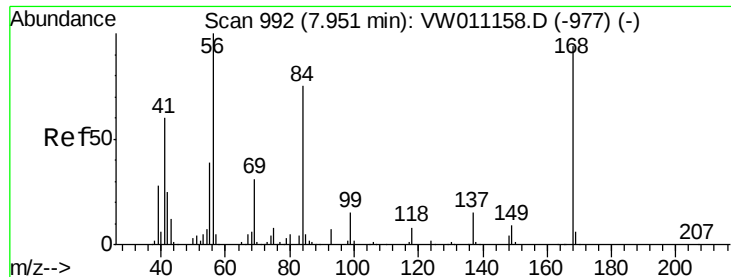


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

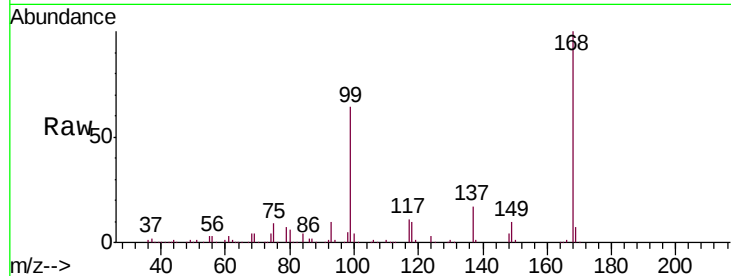




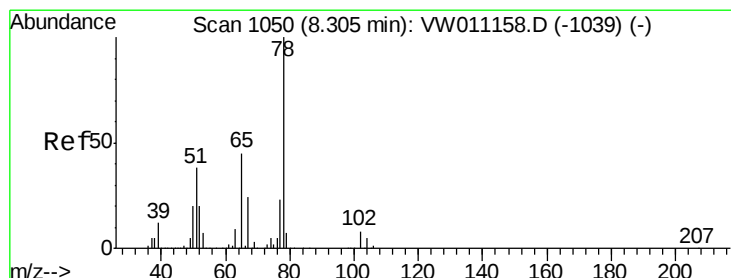
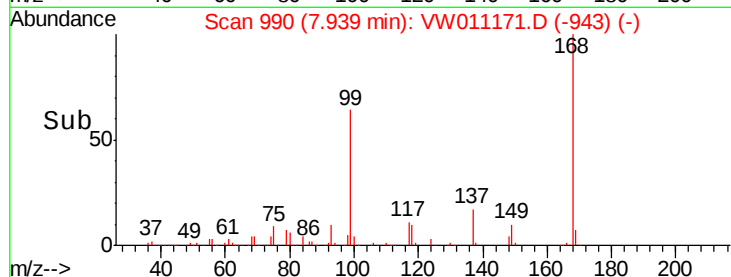
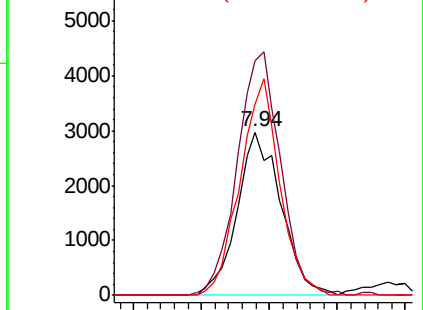
#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011171.D
Acq: 09 Jul 2019 11:30

Instrument :
MSVOA_W
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VW0709SBL01

Tgt Ion: 56 Resp: 6705
Ion Ratio Lower Upper
56 100
69 143.4 24.6 36.8#
84 117.0 60.1 90.1#

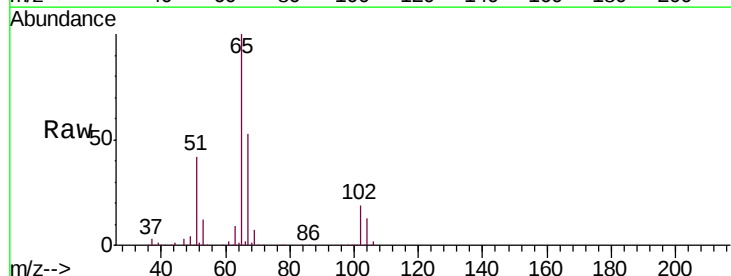


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

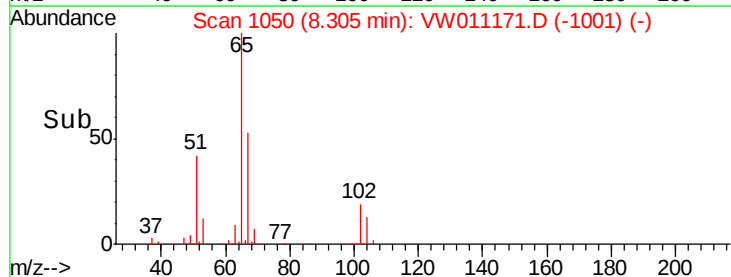
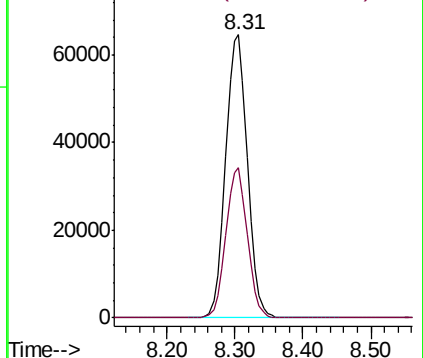


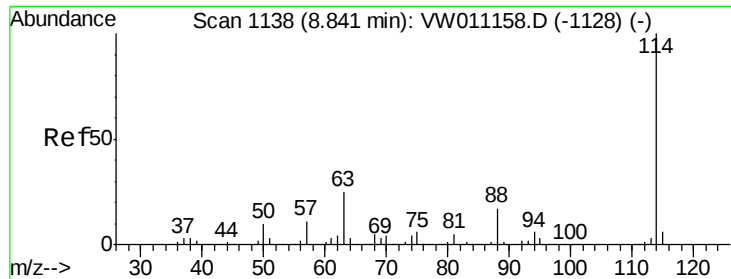
#33
1,2-Dichloroethane-d4
Concen: 49.944 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011171.D
Acq: 09 Jul 2019 11:30

Tgt Ion: 65 Resp: 143073
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

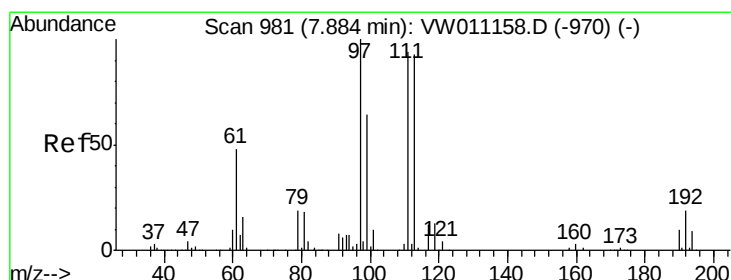
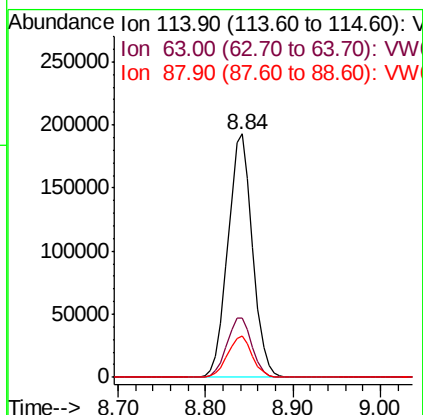
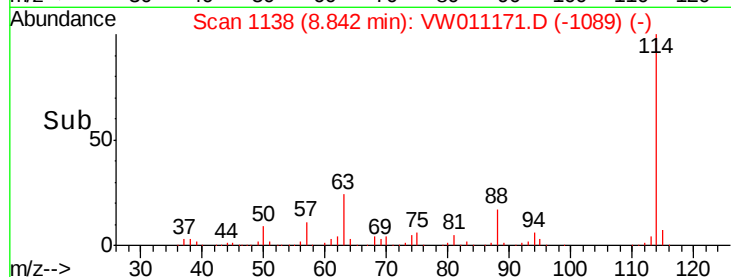
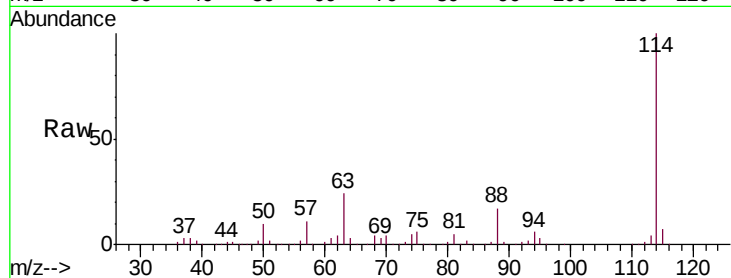




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011171.D
 Acq: 09 Jul 2019 11:30

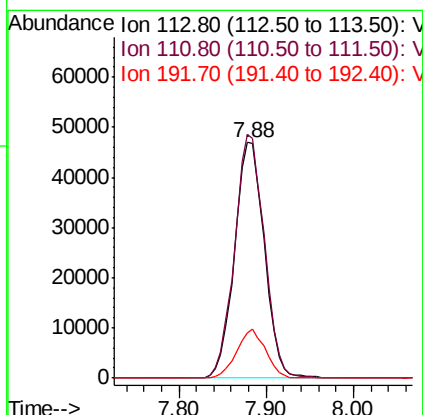
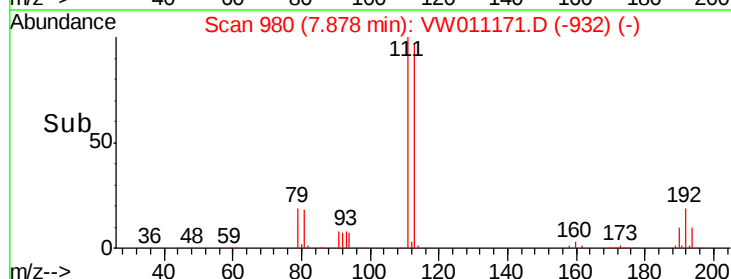
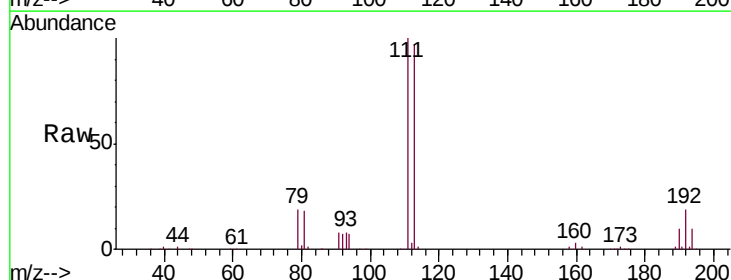
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBL01

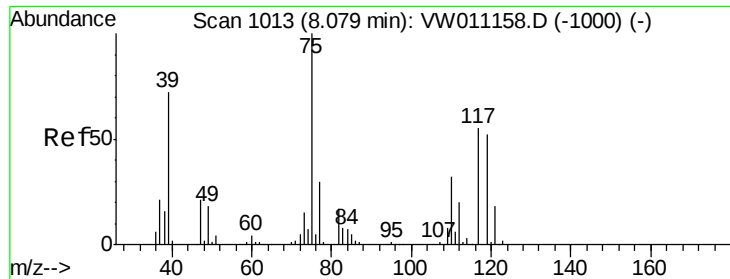
Tgt Ion:114 Resp: 376437
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.8 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 49.817 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011171.D
 Acq: 09 Jul 2019 11:30

Tgt Ion:113 Resp: 111777
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 20.0 15.8 23.8





#36

1,1-Dichloropropene

Concen: 5.036 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBL01

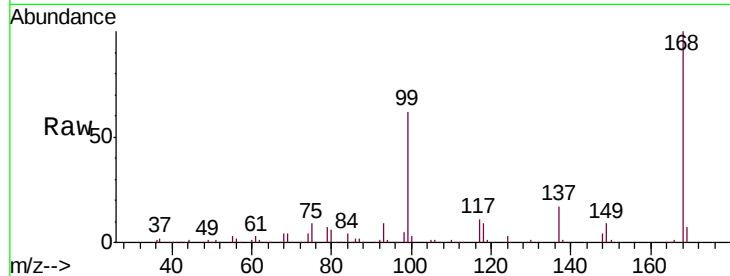
Tgt Ion: 75 Resp: 20188

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

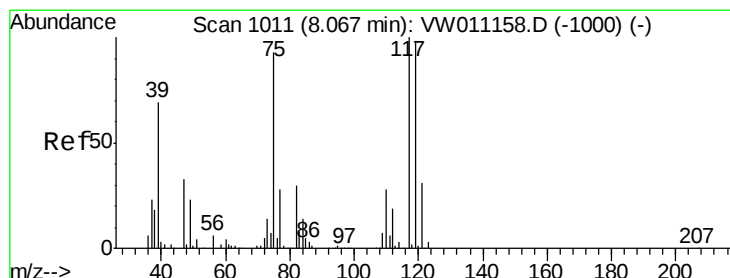
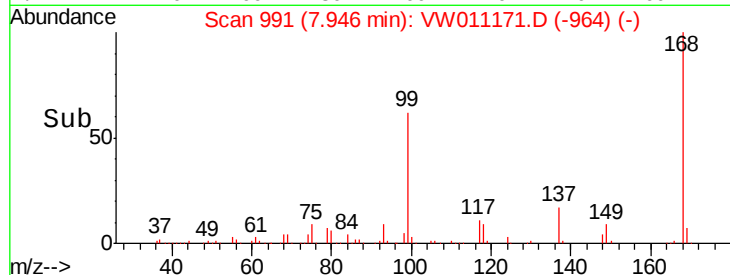
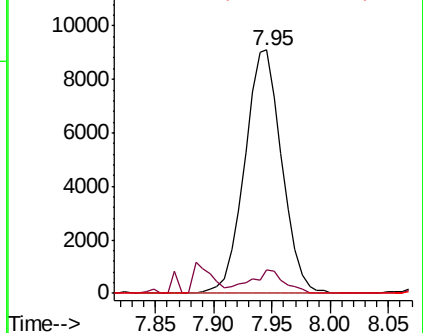
77 0.0 24.6 36.8#



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: 6.996 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

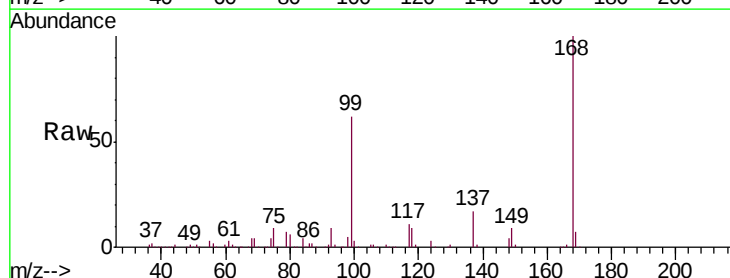
Tgt Ion: 117 Resp: 23774

Ion Ratio Lower Upper

117 100

119 4.9 78.1 117.1#

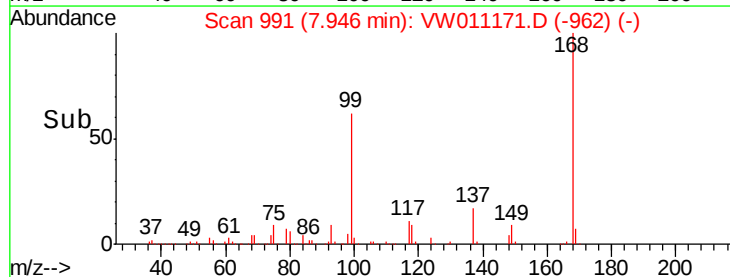
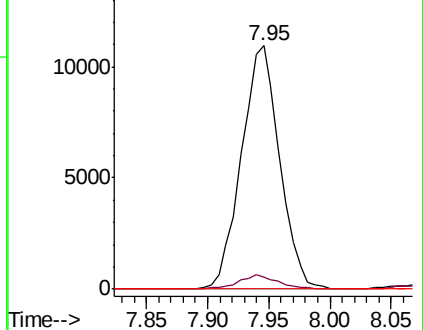
121 0.0 25.1 37.7#

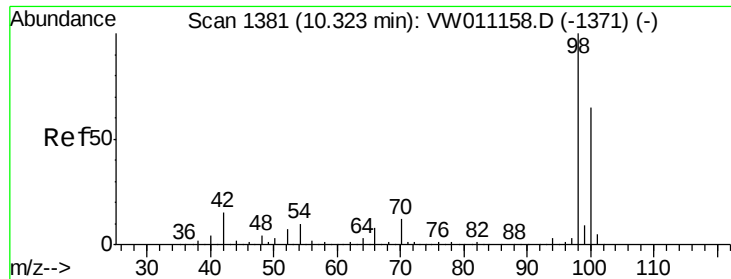


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.181 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

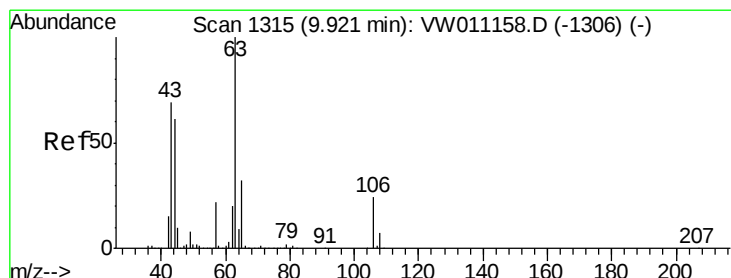
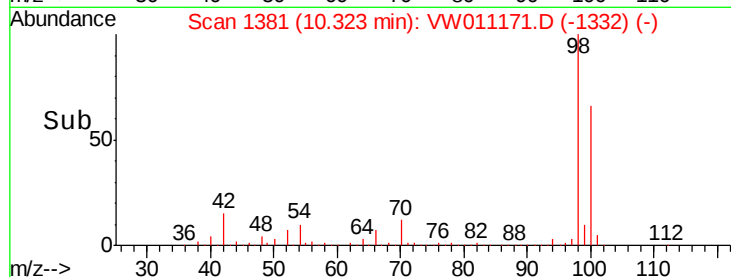
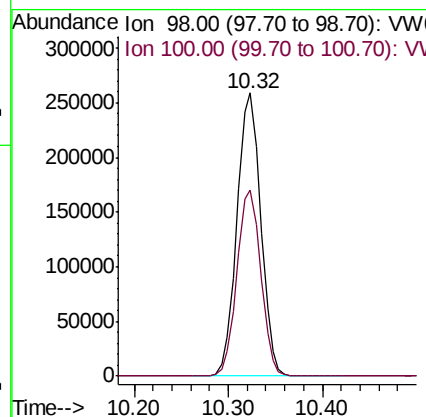
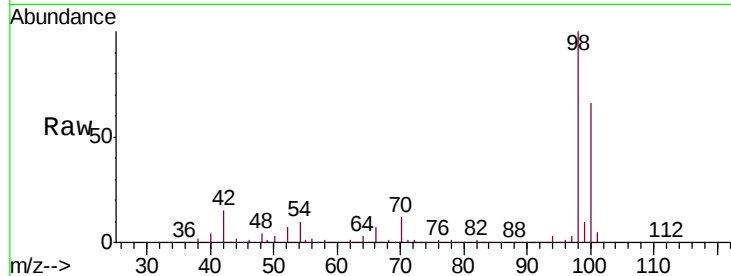
VW0709SBL01

Tgt Ion: 98 Resp: 455113

Ion Ratio Lower Upper

98 100

100 66.0 52.4 78.6



#58

2-Chloroethyl Vinyl ether

Concen: 1.064 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011171.D

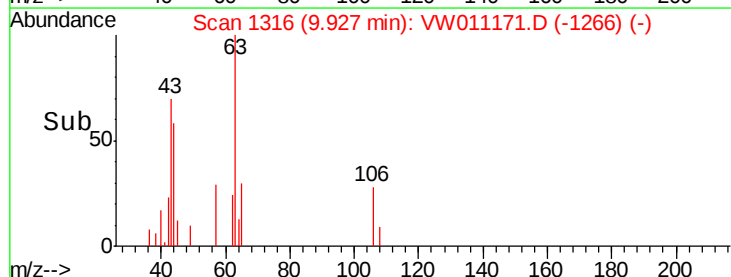
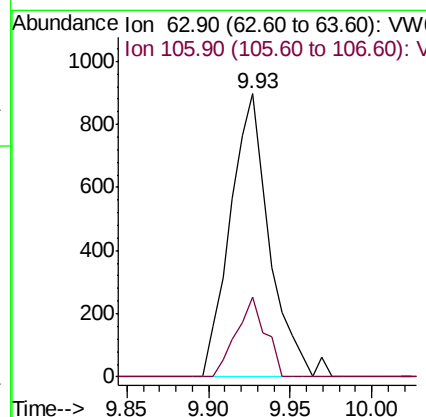
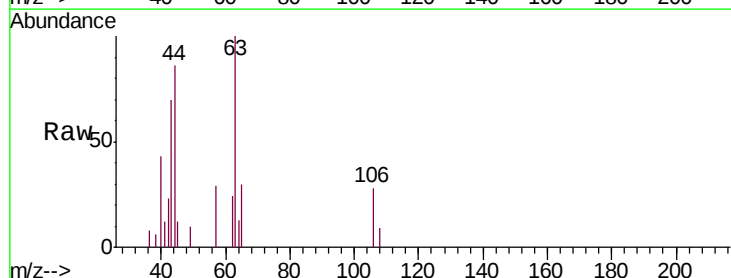
Acq: 09 Jul 2019 11:30

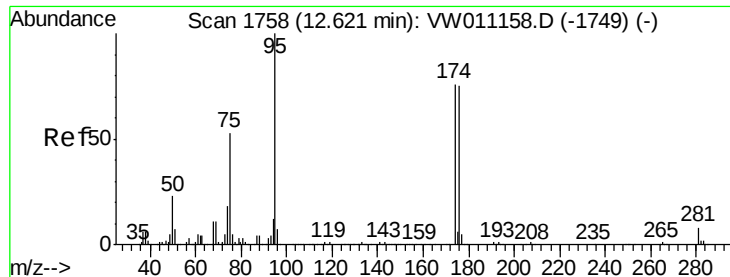
Tgt Ion: 63 Resp: 1502

Ion Ratio Lower Upper

63 100

106 21.0 19.4 29.0





#62

4-Bromofluorobenzene

Concen: 48.283 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBL01

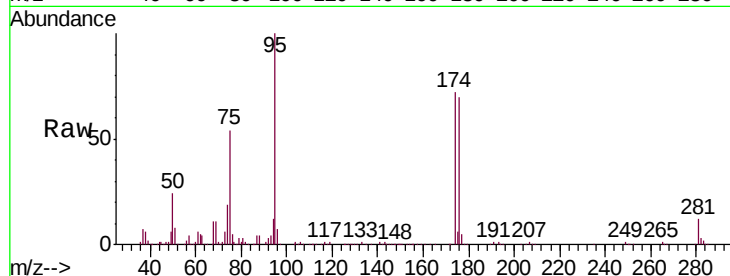
Tgt Ion: 95 Resp: 160505

Ion Ratio Lower Upper

95 100

174 75.3 0.0 147.6

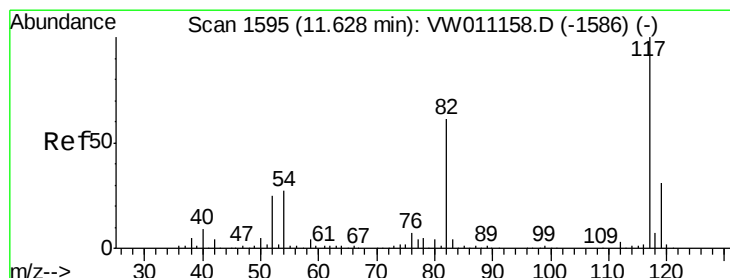
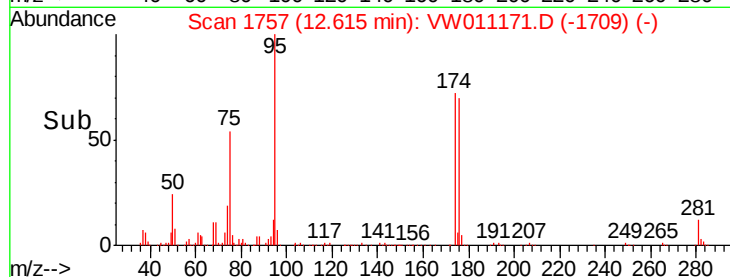
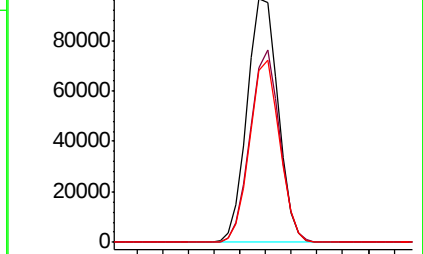
176 71.8 0.0 144.6



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# 1595

Delta R.T. 0.00 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

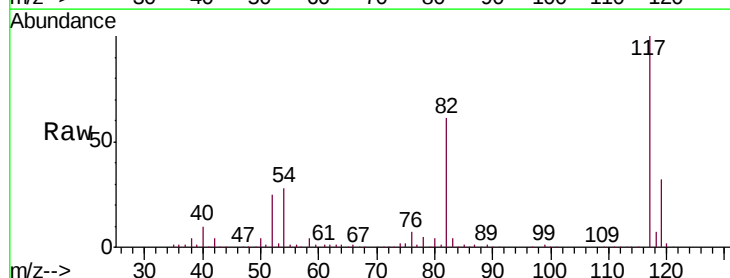
Tgt Ion: 117 Resp: 326995

Ion Ratio Lower Upper

117 100

82 61.4 48.9 73.3

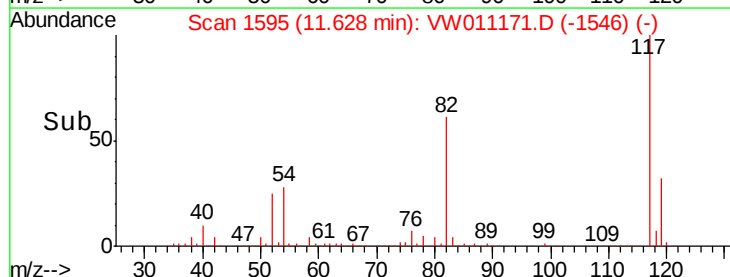
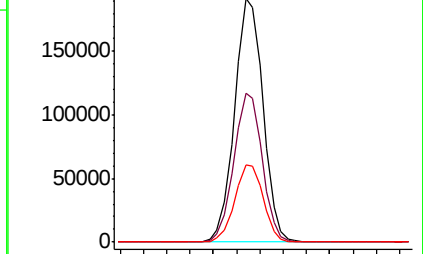
119 31.8 25.0 37.6

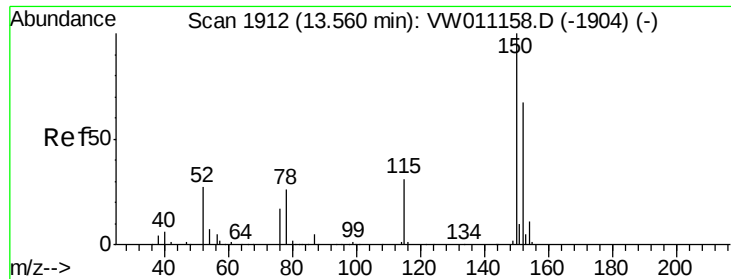


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBL01

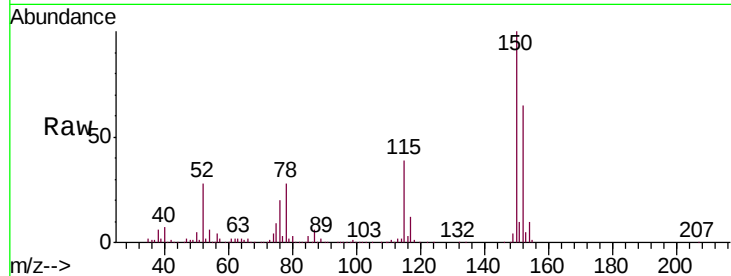
Tgt Ion:152 Resp: 153511

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

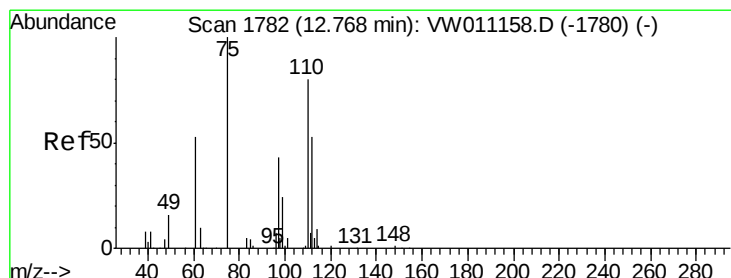
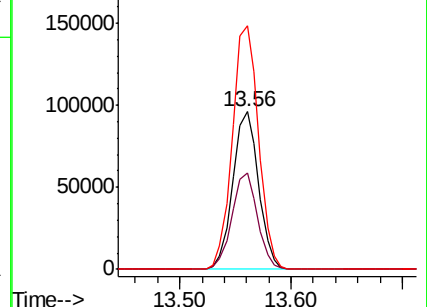
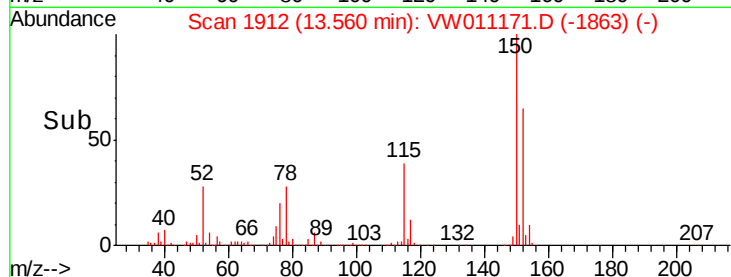
150 157.6 0.0 346.0



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: 48.794 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011171.D

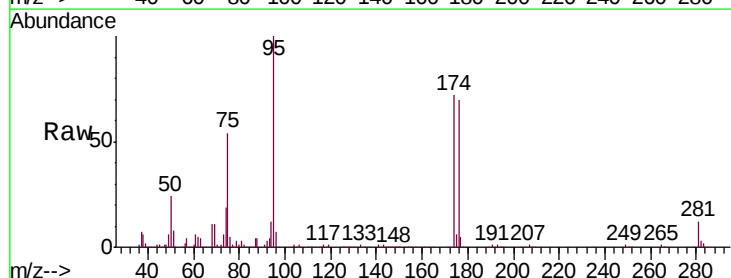
Acq: 09 Jul 2019 11:30

Tgt Ion: 75 Resp: 86561

Ion Ratio Lower Upper

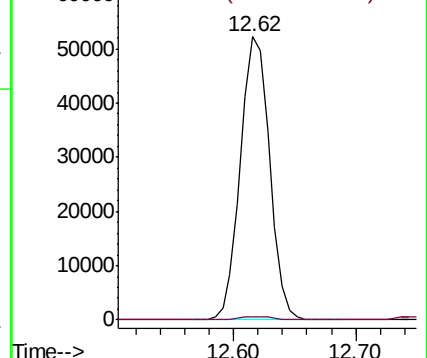
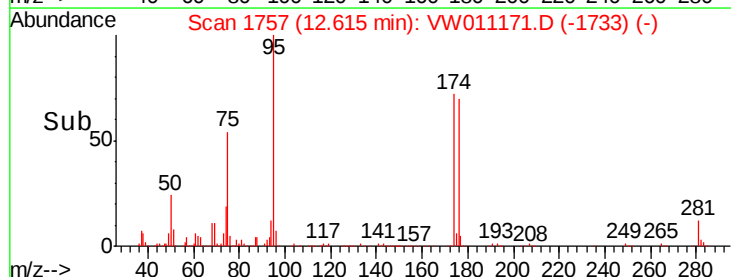
75 100

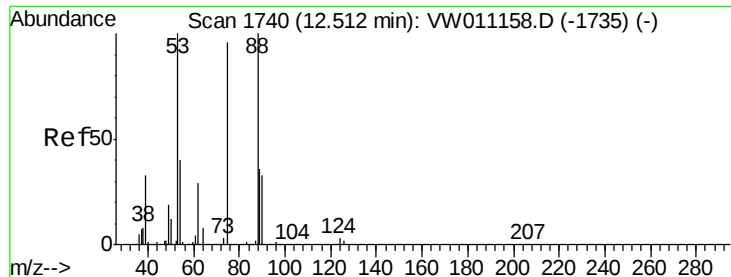
77 1.3 0.0 0.0#



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: 110.362 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011171.D

Acq: 09 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBL01

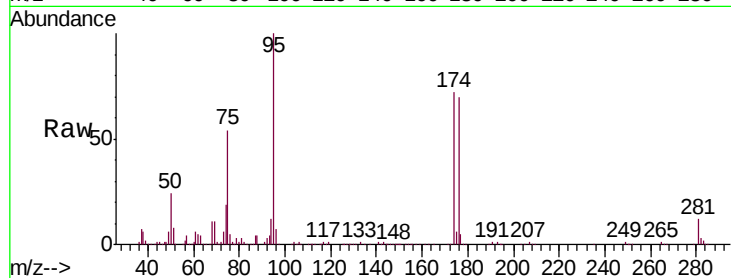
Tgt Ion: 75 Resp: 86561

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



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

