

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011520.D
 Acq On : 26 Jul 2019 17:07
 Operator : SY/VA
 Sample : K3626-11
 Misc : 7.26G/5.0ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-01-072519-B

Quant Time: Jul 27 05:31:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129849	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	147869	57.80	ug/l	0.00
Spiked Amount			Recovery	=	115.60%	
35) Dibromofluoromethane	7.88	113	111760	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
50) Toluene-d8	10.32	98	447897	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.62	95	149270	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

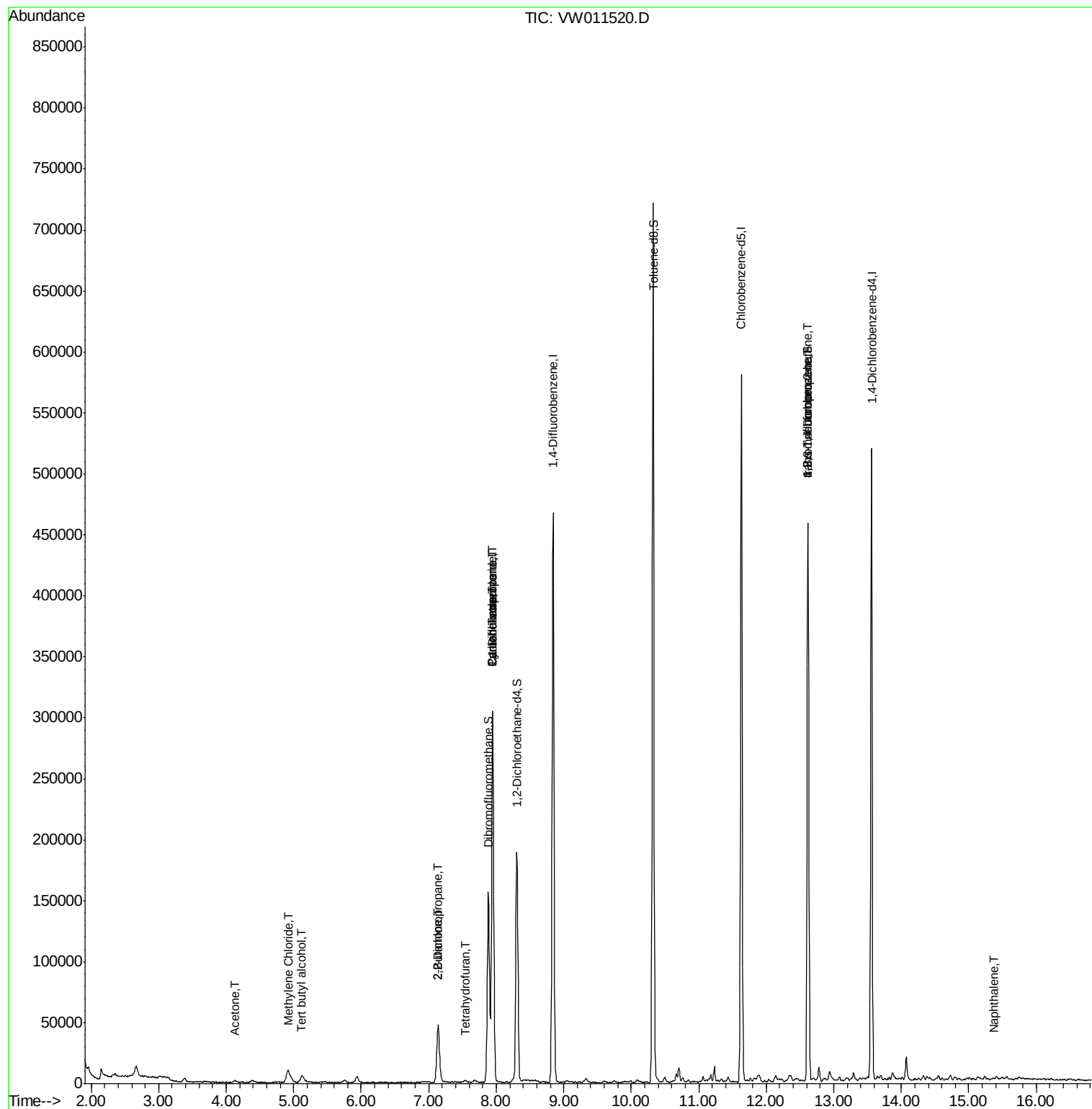
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	6211	16.221	ug/l #	72
16) Acetone	4.12	43	3549	4.361	ug/l	100
20) Methylene Chloride	4.92	84	7208	2.568	ug/l	96
25) 2-Butanone	7.15	43	3184	2.990	ug/l #	79
26) 2,2-Dichloropropane	7.13	77	3330	1.087	ug/l #	54
29) Tetrahydrofuran	7.54	42	1427	2.344	ug/l #	81
31) Cyclohexane	7.95	56	5579	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18990	4.987	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22094	6.778	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	78688	57.271	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78688	131.991	ug/l #	6
95) Naphthalene	15.37	128	1167	2.284	ug/l	95

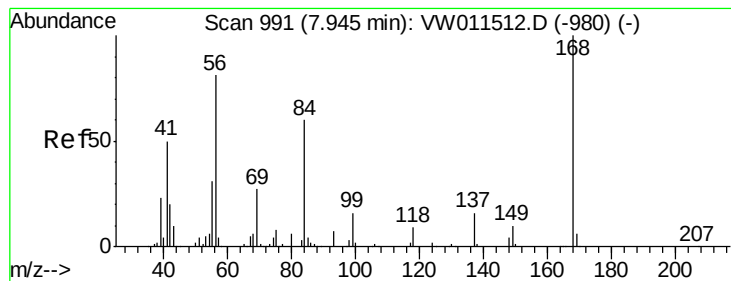
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

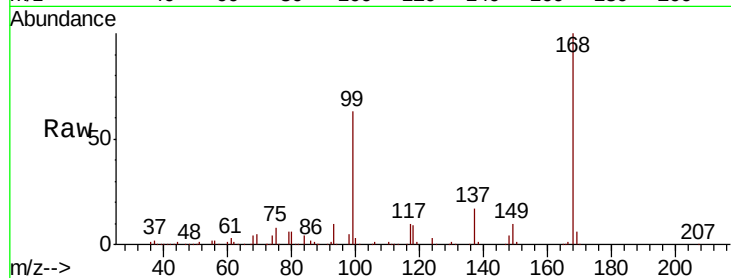
SU-01-072519-B

Tot Ion:168 Resp: 222807

Ion Ratio Lower Upper

168 100

99 62.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

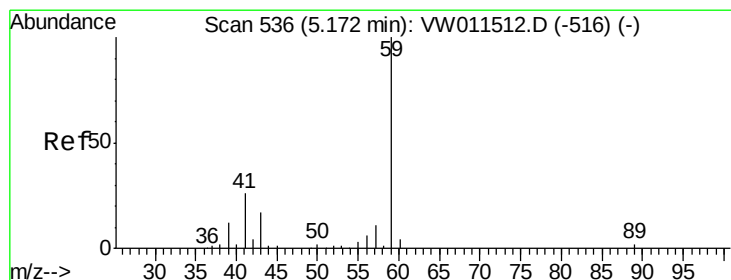
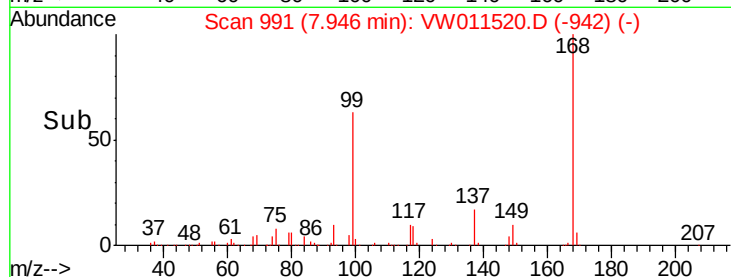
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.221 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011520.D

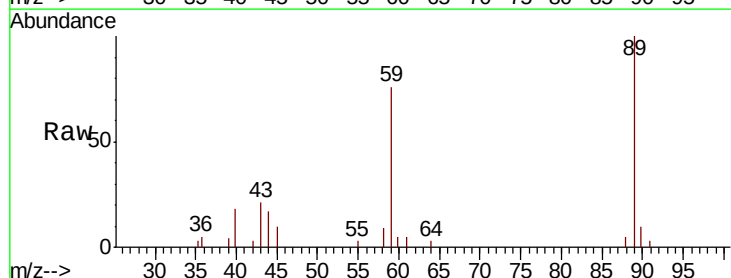
Acq: 26 Jul 2019 17:07

Tgt Ion: 59 Resp: 6211

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

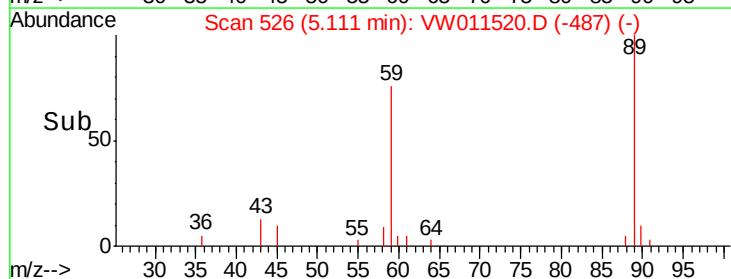
1500

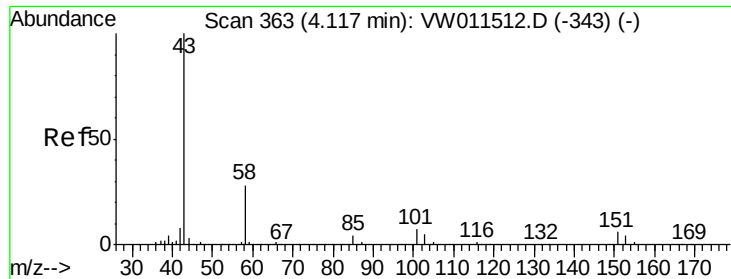
1000

500

0

Time-->





#16

Acetone

Concen: 4.361 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

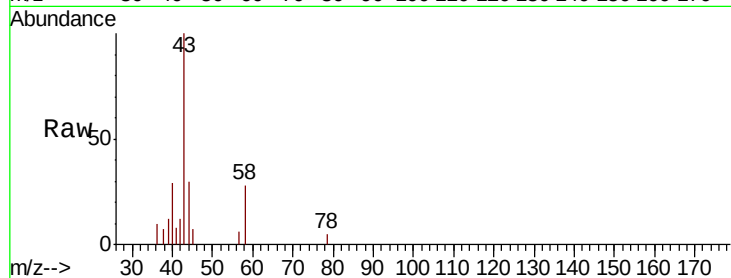
SU-01-072519-B

Tot Ion: 43 Resp: 3549

Ion Ratio Lower Upper

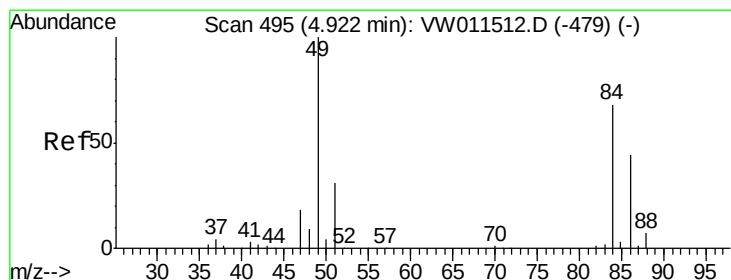
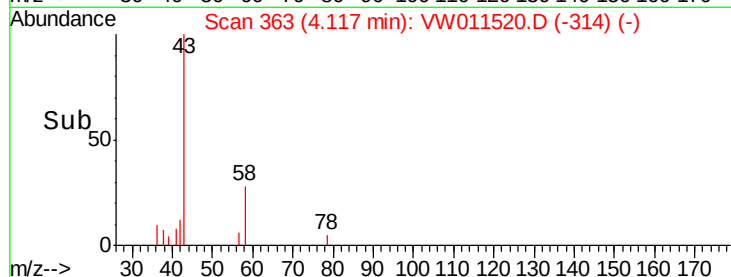
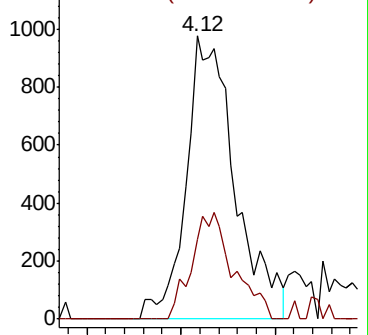
43 100

58 28.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.568 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Tgt Ion: 84 Resp: 7208

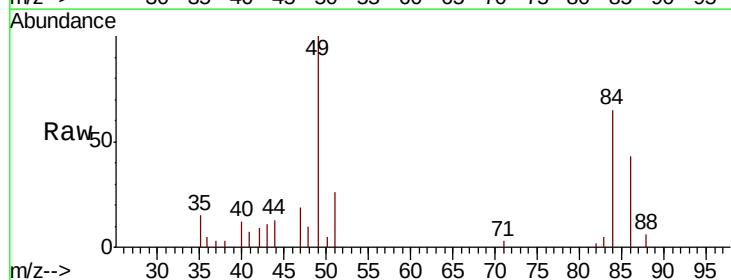
Ion Ratio Lower Upper

84 100

49 153.1 117.8 176.6

51 40.3 37.0 55.4

86 65.5 51.8 77.8

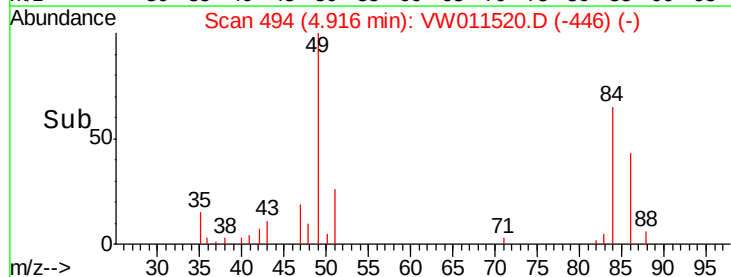
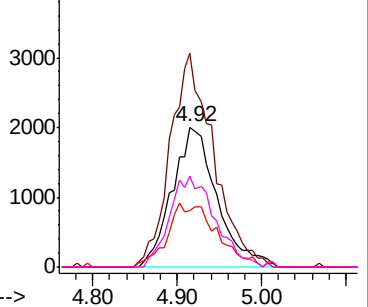


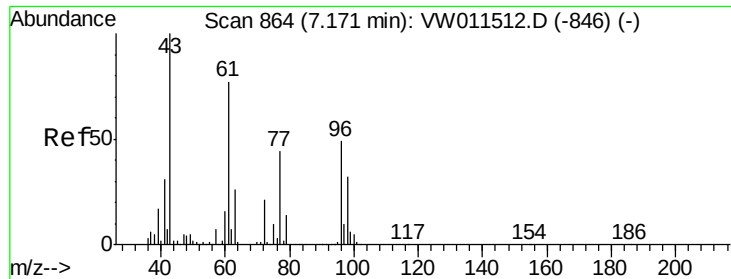
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.990 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

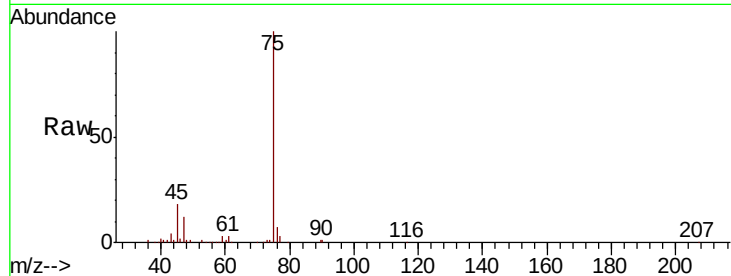
SU-01-072519-B

Tot Ion: 43 Resp: 3184

Ion Ratio Lower Upper

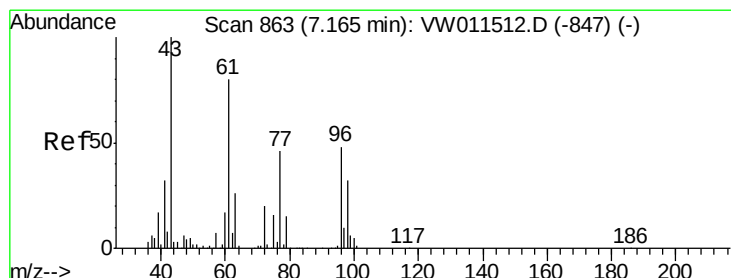
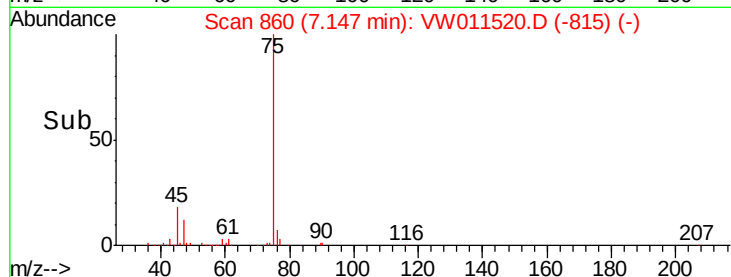
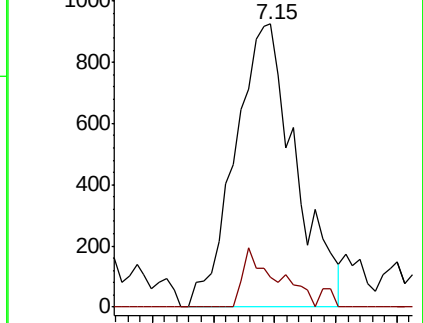
43 100

72 10.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011520.D

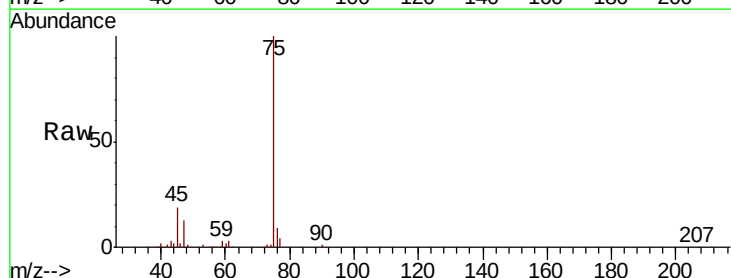
Acq: 26 Jul 2019 17:07

Tgt Ion: 77 Resp: 3330

Ion Ratio Lower Upper

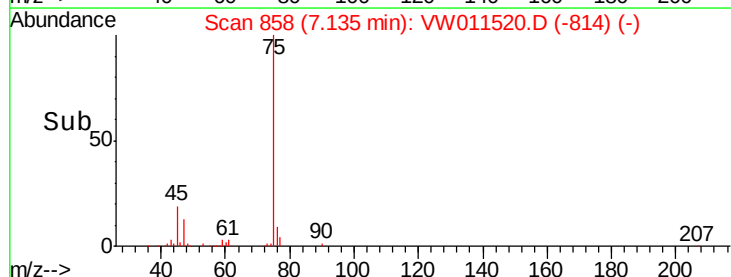
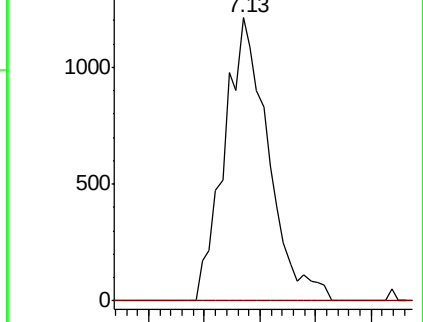
77 100

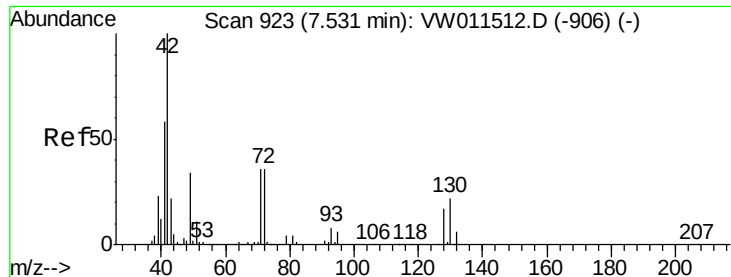
97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 2.344 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-B

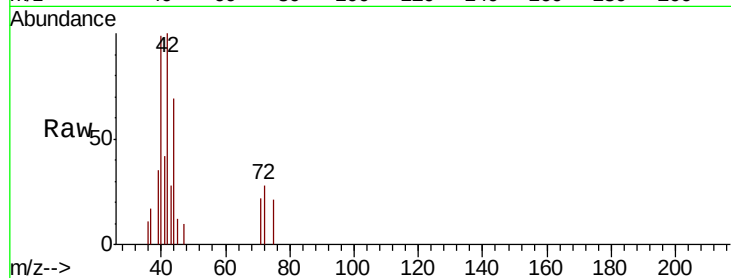
Tot Ion: 42 Resp: 1427

Ion Ratio Lower Upper

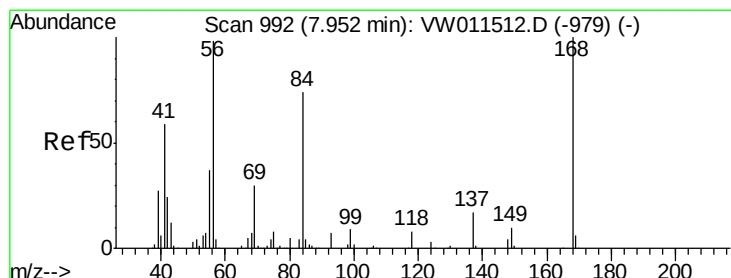
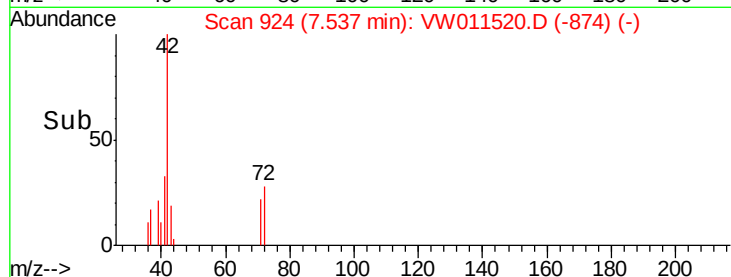
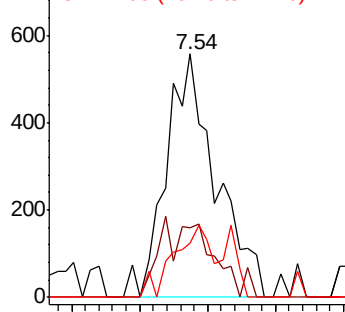
42 100

72 22.7 27.1 40.7#

71 22.0 26.2 39.4#



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: 1.166 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

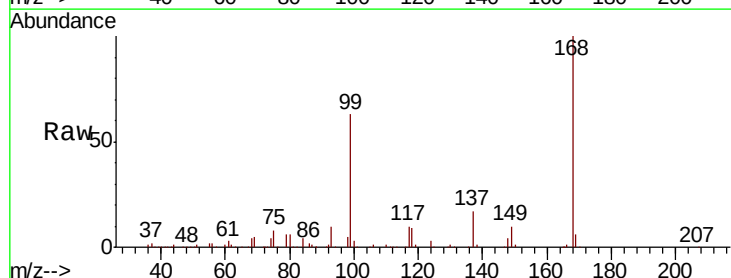
Tgt Ion: 56 Resp: 5579

Ion Ratio Lower Upper

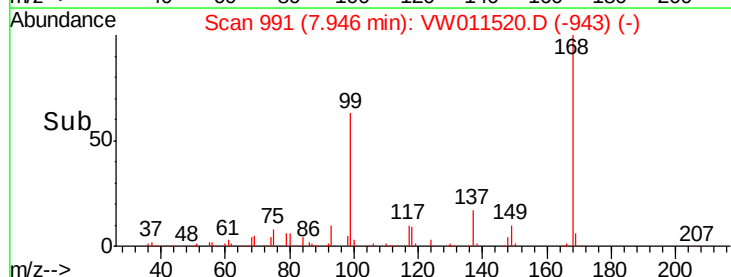
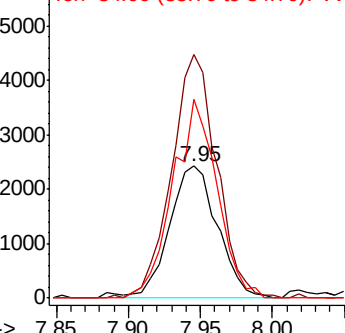
56 100

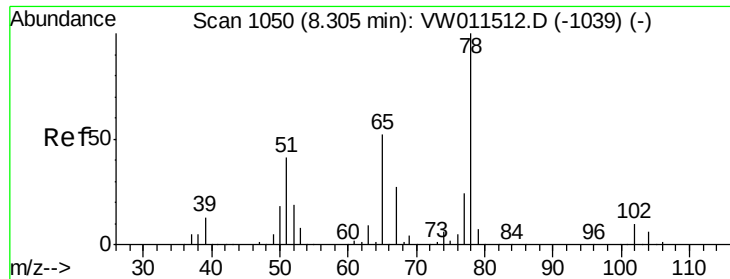
69 184.3 24.3 36.5#

84 150.9 60.4 90.6#



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

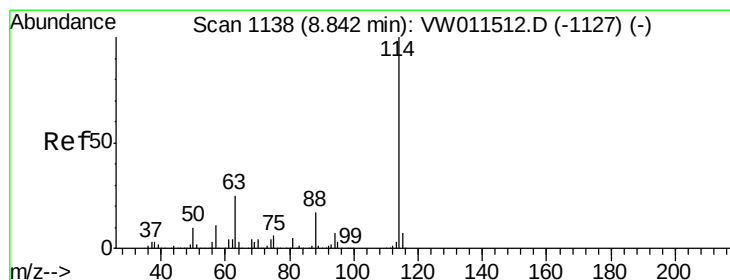
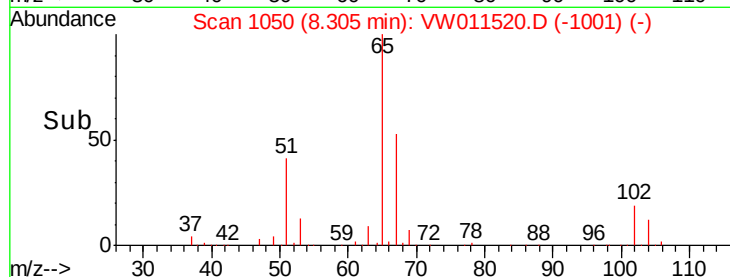
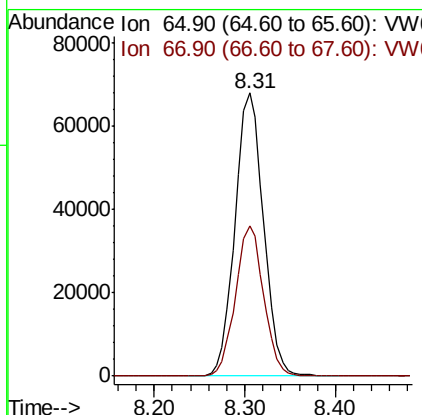
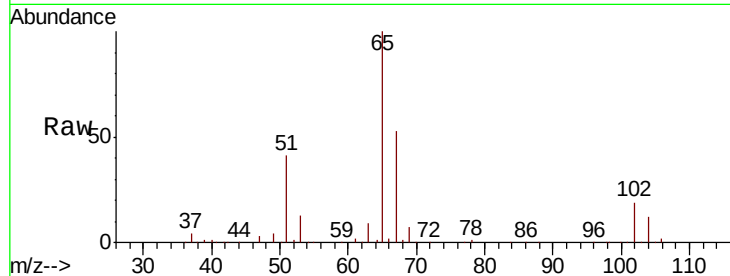




#33
 1,2-Dichloroethane-d4
 Concen: 57.796 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011520.D
 Acq: 26 Jul 2019 17:07

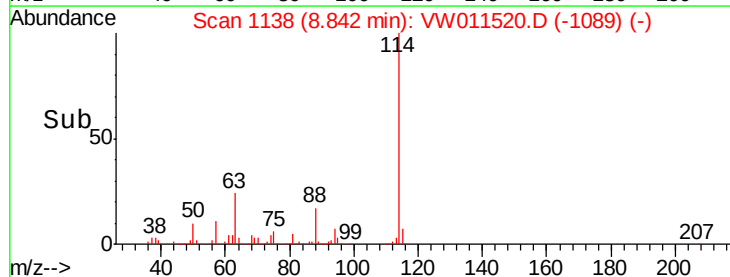
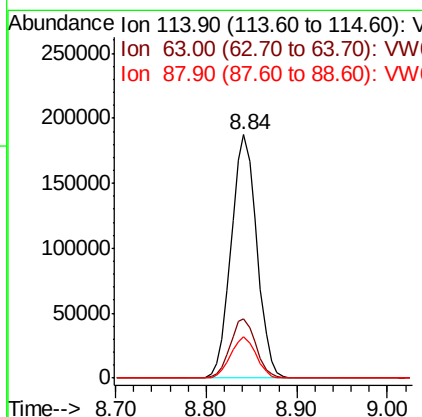
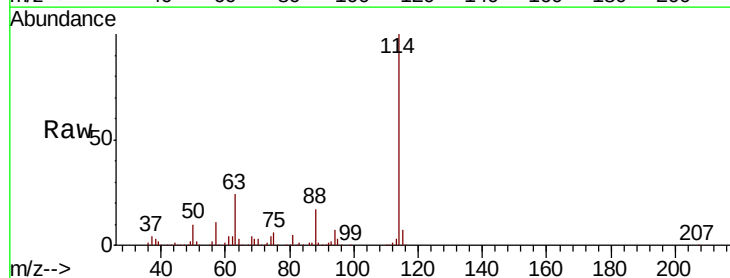
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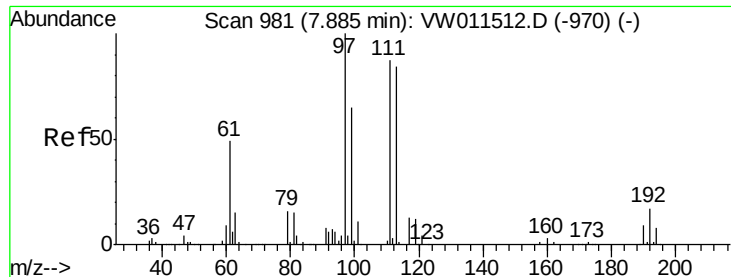
Tot Ion: 65 Resp: 147869
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011520.D
 Acq: 26 Jul 2019 17:07

Tgt Ion: 114 Resp: 366172
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.2 0.0 33.8

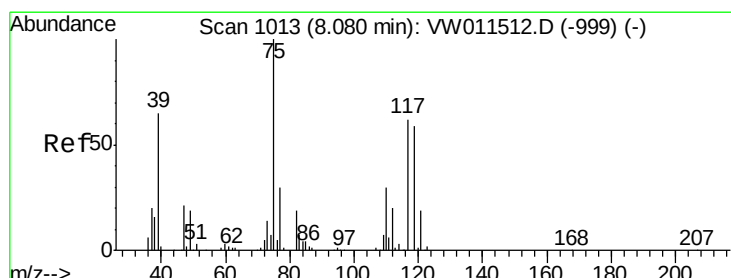
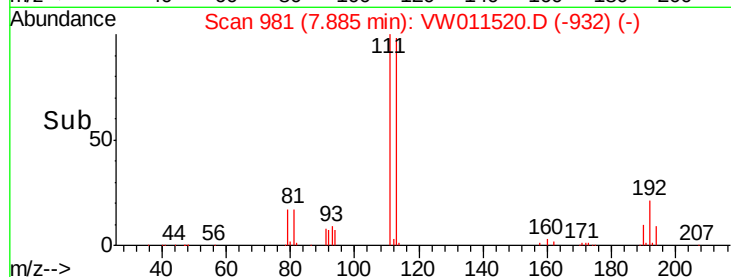
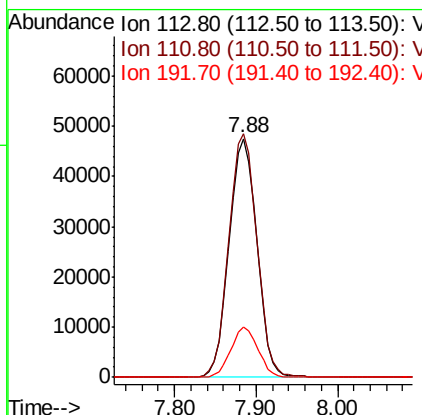
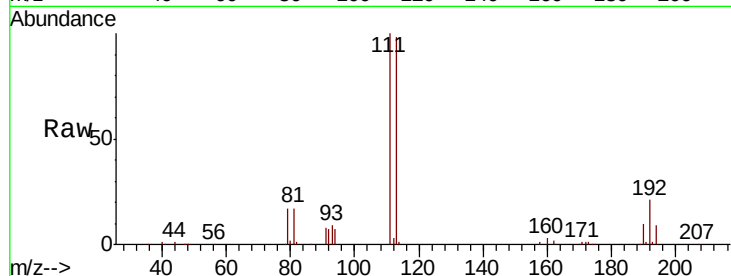




#35
 Dibromofluoromethane
 Concen: 54.403 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011520.D
 Acq: 26 Jul 2019 17:07

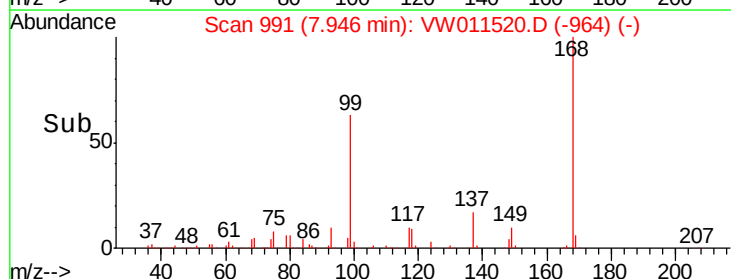
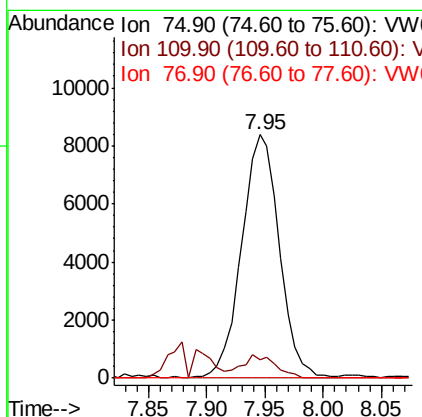
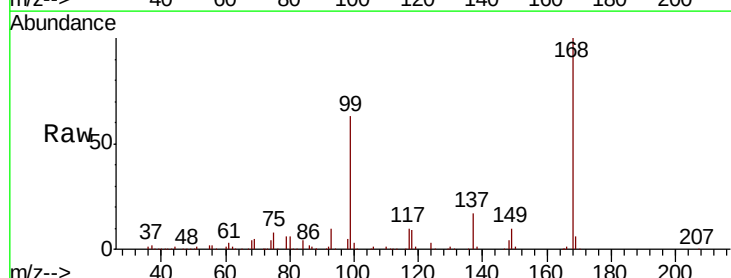
Instrument :
 MSVOA_W
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 SU-01-072519-B

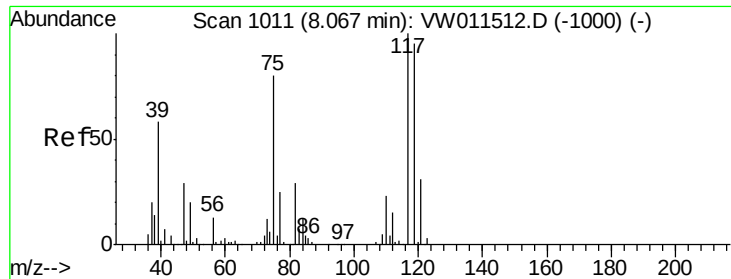
Tot Ion:113 Resp: 111760
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.987 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011520.D
 Acq: 26 Jul 2019 17:07

Tgt Ion: 75 Resp: 18990
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-B

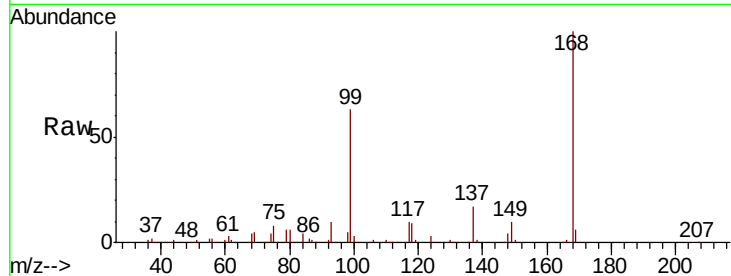
Tot Ion:117 Resp: 22094

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

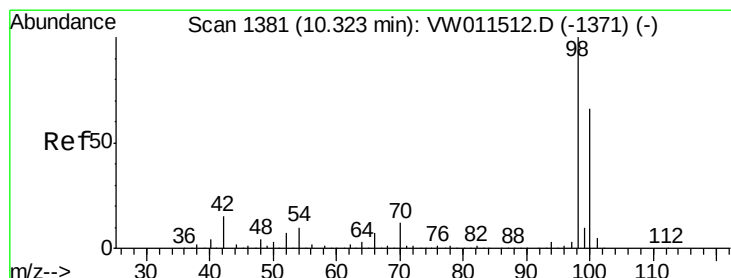
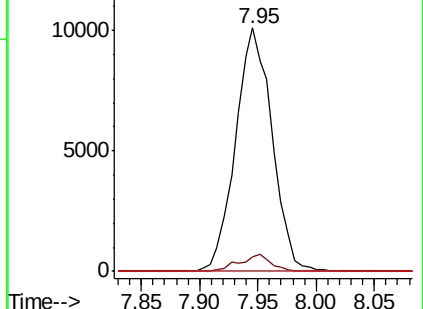
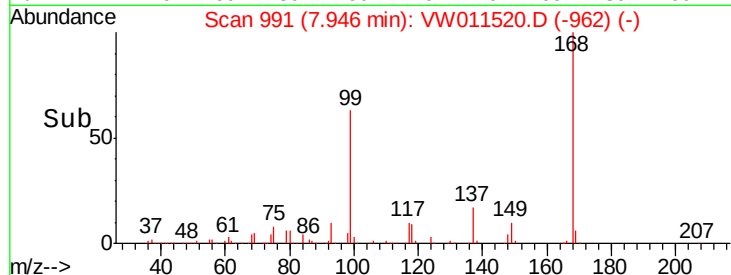
121 0.0 24.7 37.1#



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: 53.252 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011520.D

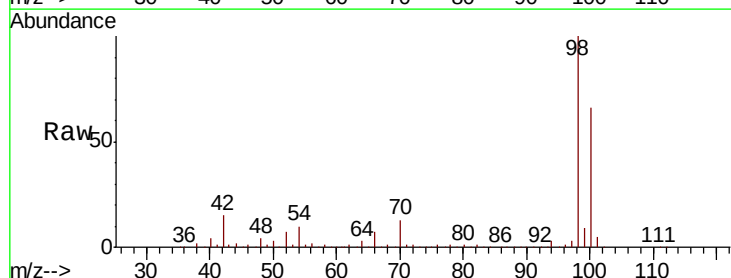
Acq: 26 Jul 2019 17:07

Tgt Ion: 98 Resp: 447897

Ion Ratio Lower Upper

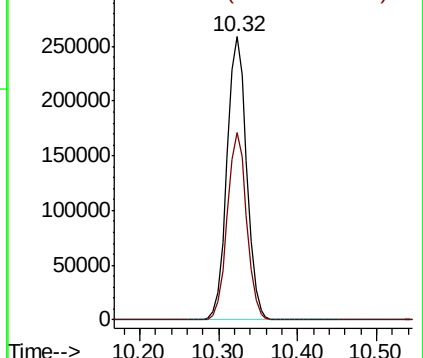
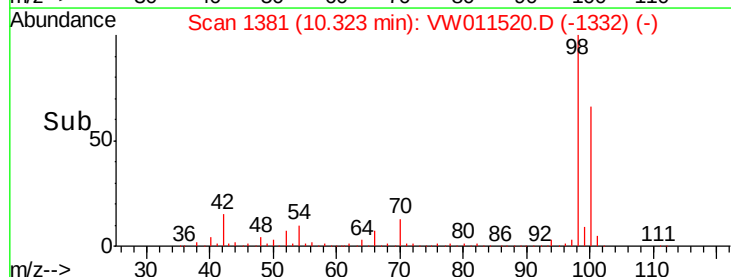
98 100

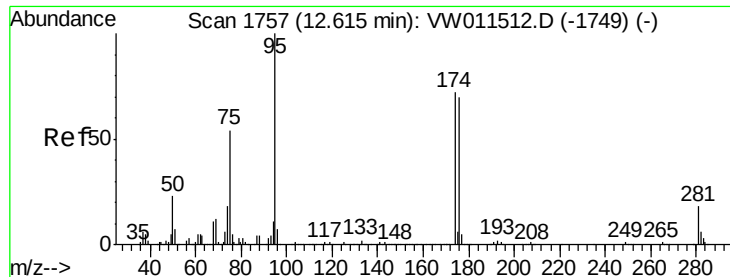
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 49.779 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-B

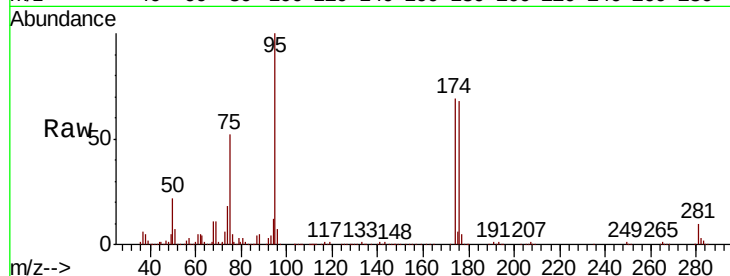
Tot Ion: 95 Resp: 149270

Ion Ratio Lower Upper

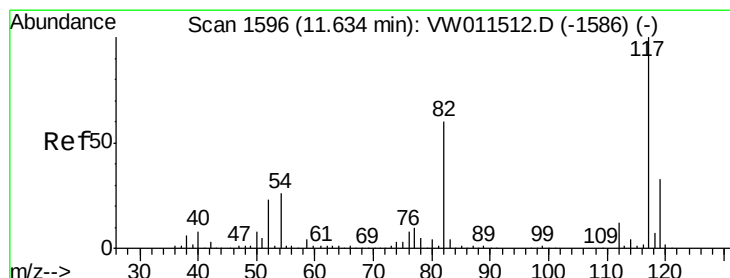
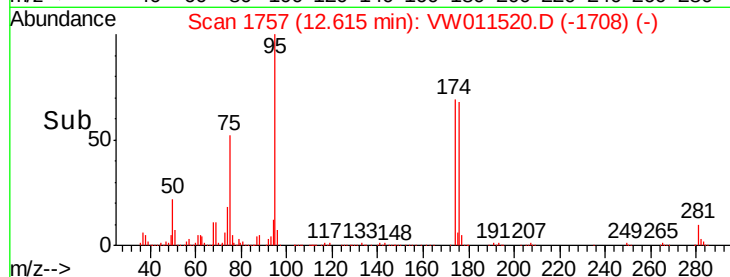
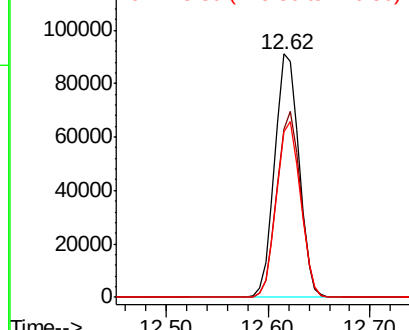
95 100

174 74.8 0.0 150.2

176 72.2 0.0 144.4



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: VW011520.D

Acq: 26 Jul 2019 17:07

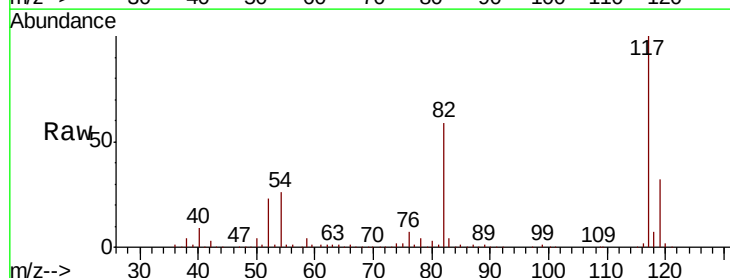
Tgt Ion: 117 Resp: 307624

Ion Ratio Lower Upper

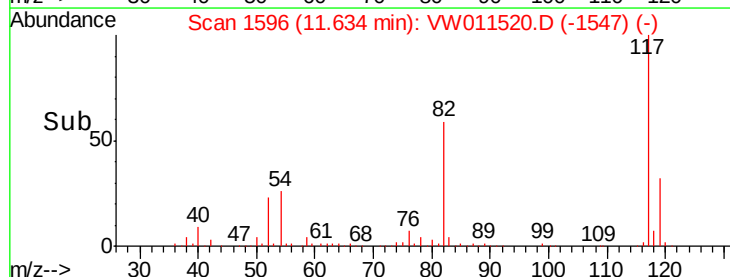
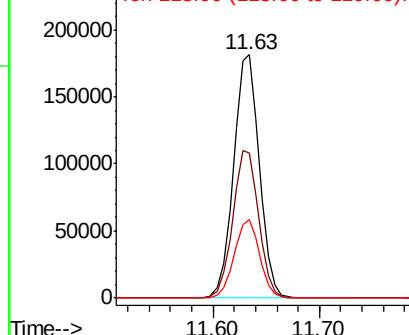
117 100

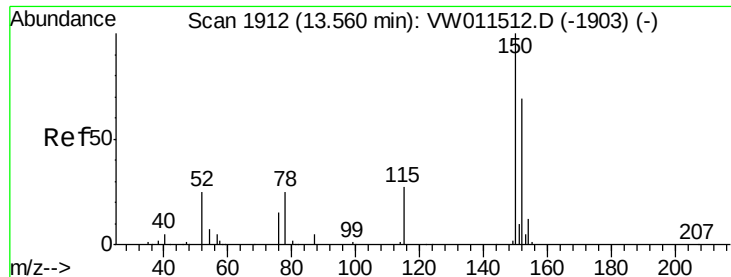
82 59.4 47.9 71.9

119 32.2 26.2 39.2



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: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-B

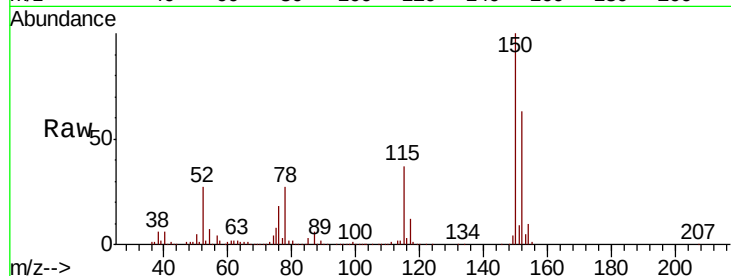
Tot Ion:152 Resp: 129849

Ion Ratio Lower Upper

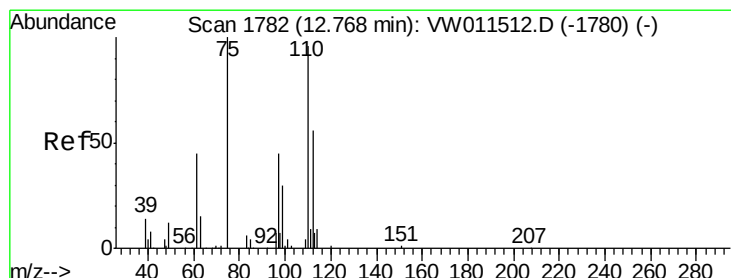
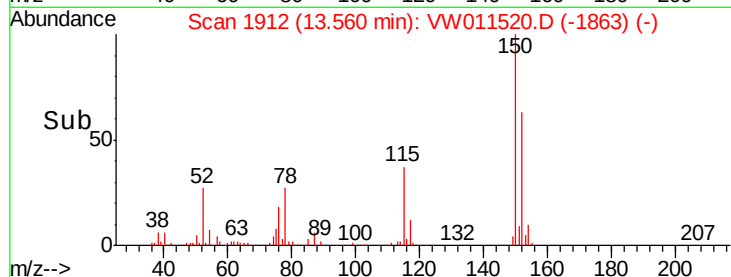
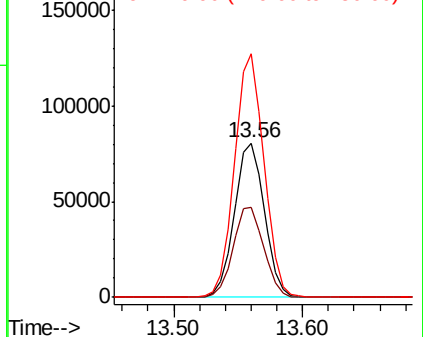
152 100

115 59.7 30.5 91.5

150 155.6 0.0 352.6



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: 57.271 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011520.D

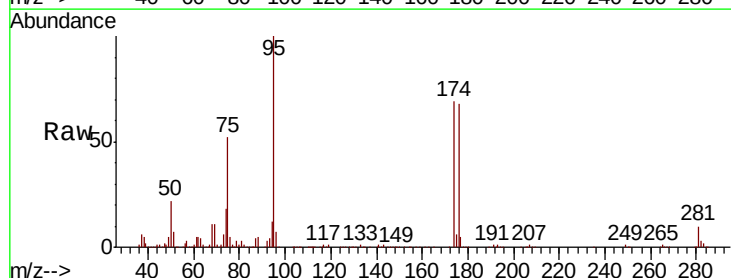
Acq: 26 Jul 2019 17:07

Tgt Ion: 75 Resp: 78688

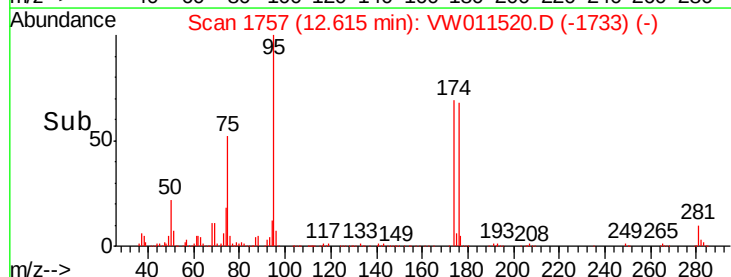
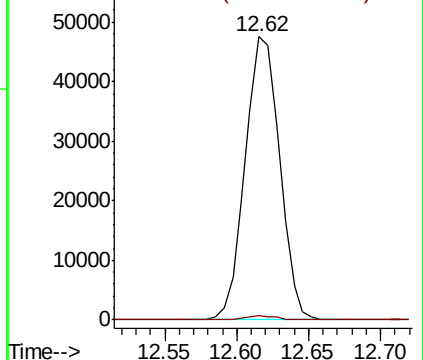
Ion Ratio Lower Upper

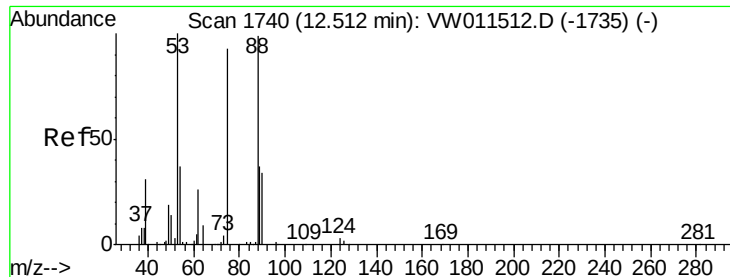
75 100

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: 131.991 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

SU-01-072519-B

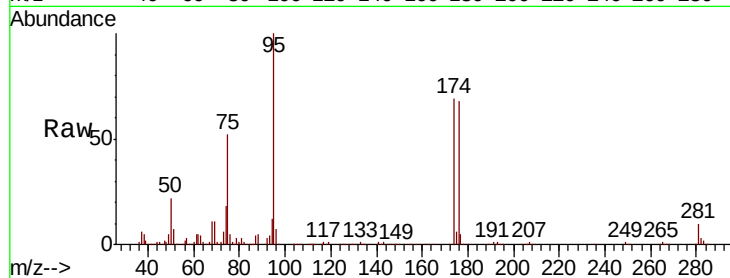
Tot Ion: 75 Resp: 78688

Ion Ratio Lower Upper

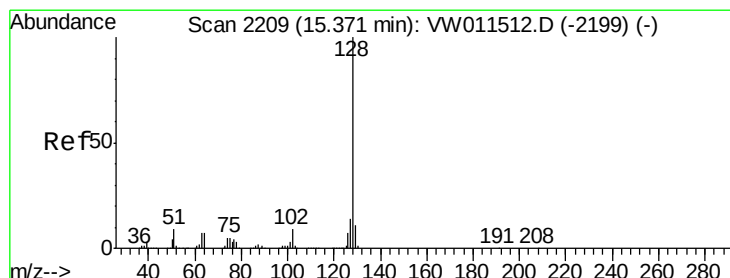
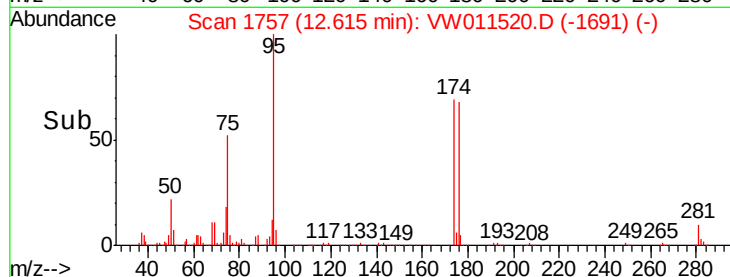
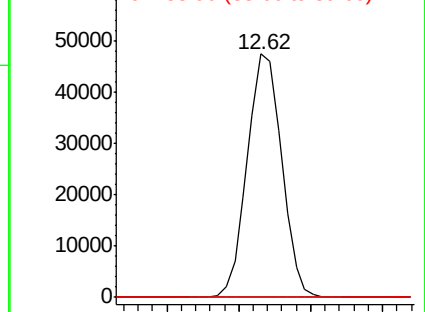
75 100

53 0.2 88.0 132.0#

89 0.1 35.3 52.9#



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



#95

Naphthalene

Concen: 2.284 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011520.D

Acq: 26 Jul 2019 17:07

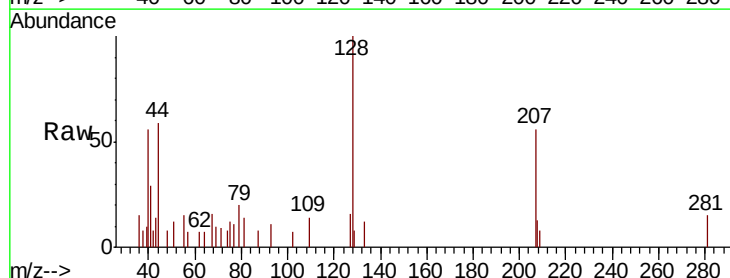
Tgt Ion: 128 Resp: 1167

Ion Ratio Lower Upper

128 100

127 15.5 10.6 16.0

129 12.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

