

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008380.D
 Acq On : 21 Jan 2019 17:27
 Operator : SY/VA
 Sample : K1210-01
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1495

Quant Time: Jan 22 03:42:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	140876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62964	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	55379	67.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	134.60%	
35) Dibromofluoromethane	7.88	113	51334	53.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.02%	
50) Toluene-d8	10.32	98	198021	52.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.62	95	62631	45.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.82%	

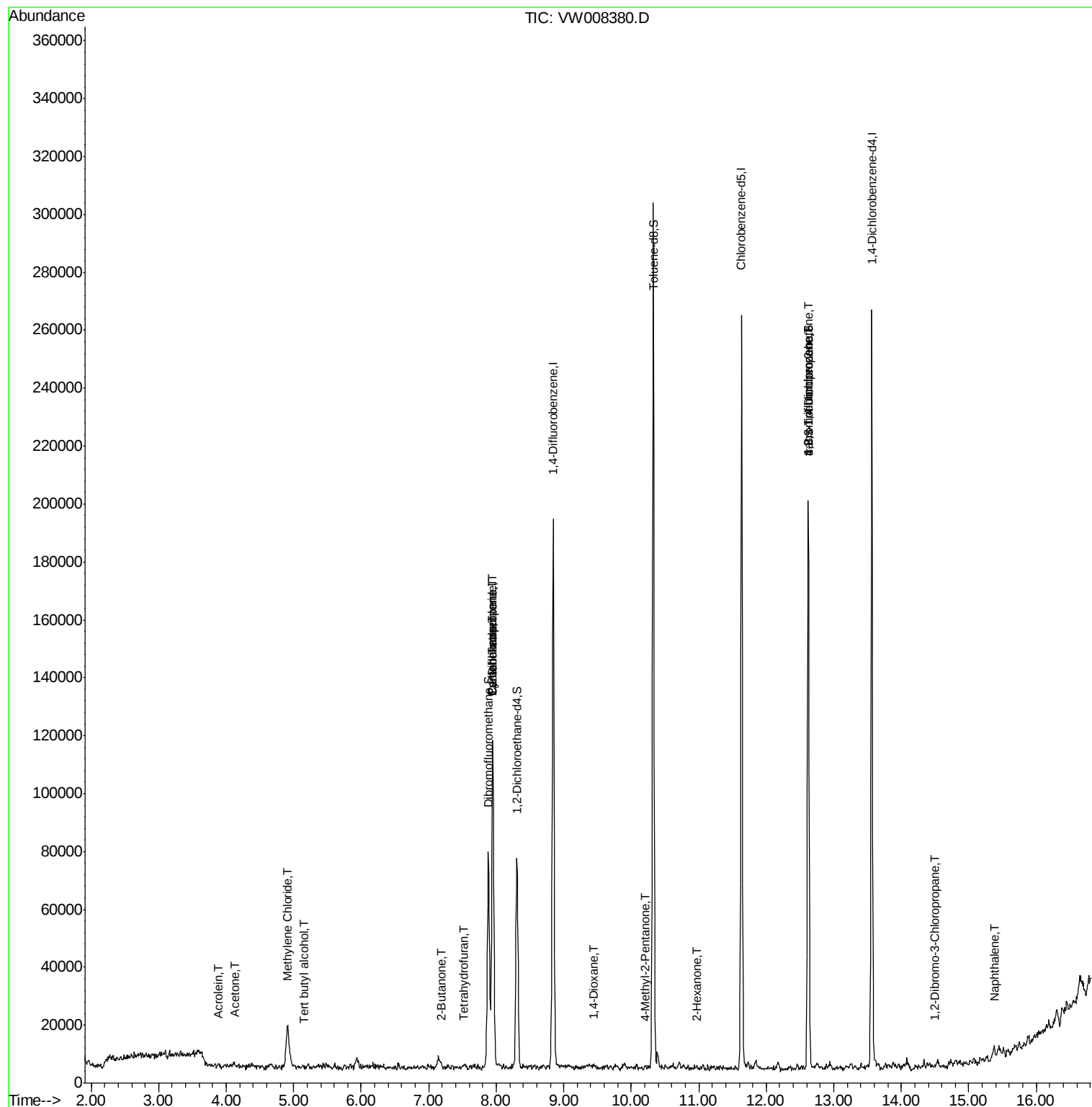
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	263	4.747	ug/l #	41
13) Acrolein	3.88	56	141	10.151	ug/l #	17
16) Acetone	4.12	43	2587	13.537	ug/l #	79
20) Methylene Chloride	4.92	84	10859	9.362	ug/l	88
25) 2-Butanone	7.20	43	521	2.129	ug/l #	84
29) Tetrahydrofuran	7.52	42	425	2.785	ug/l #	69
31) Cyclohexane	7.95	56	2048	1.333	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	7104	4.655	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8595	5.703	ug/l #	21
49) 1,4-Dioxane	9.45	88	125	13.873	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	1352	2.246	ug/l #	83
59) 2-Hexanone	10.98	43	709	1.681	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	32958	57.480	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32958	137.171	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.49	75	262	2.053	ug/l #	14
95) Naphthalene	15.37	128	3967	3.894	ug/l #	94

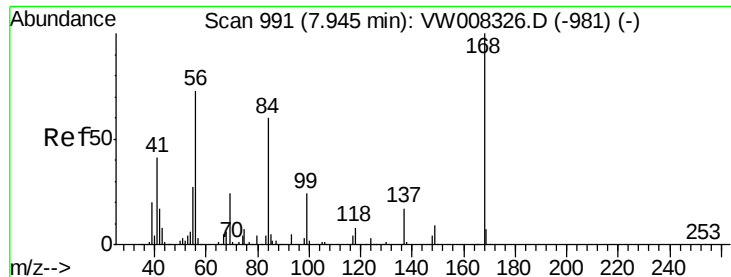
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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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. 0.01 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

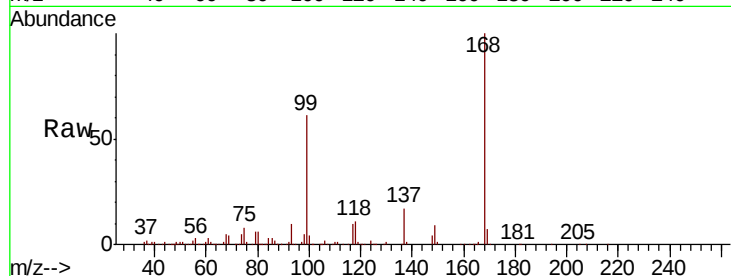
RT-1495

Tgt Ion:168 Resp: 79107

Ion Ratio Lower Upper

168 100

99 61.3 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

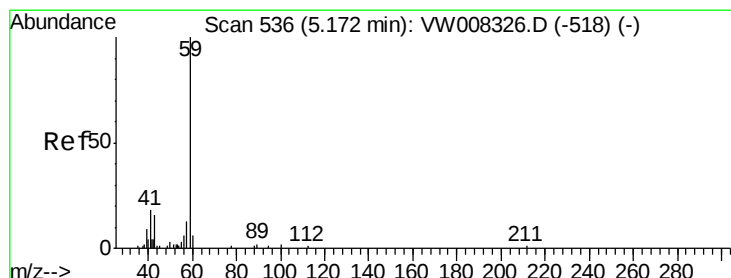
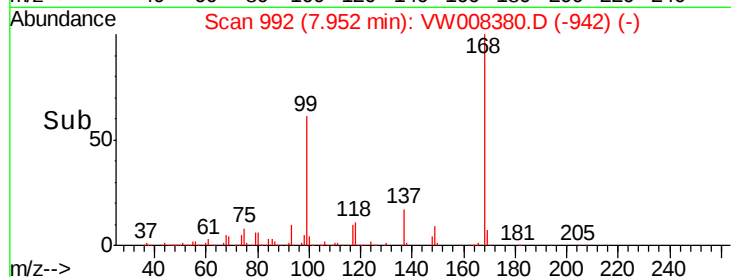
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 4.747 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW008380.D

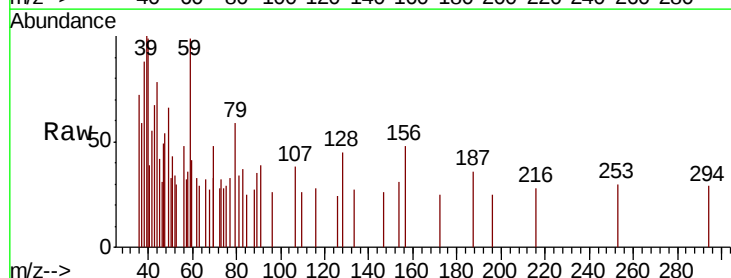
Acq: 21 Jan 2019 17:27

Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

59 100

57 34.6 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

250

200

150

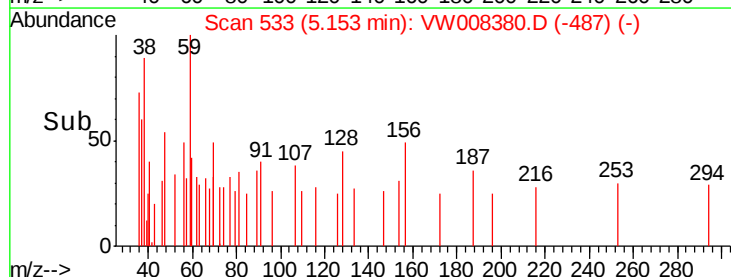
100

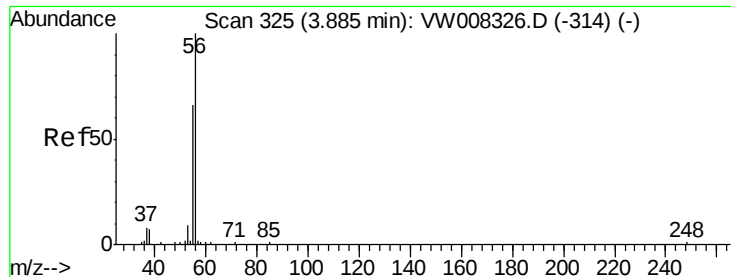
50

0

5.14 5.16 5.18

Time-->





#13

Acrolein

Concen: 10.151 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

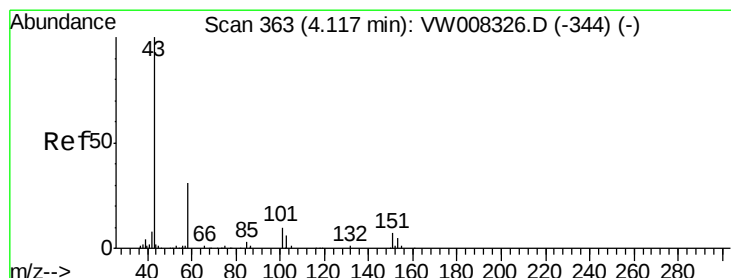
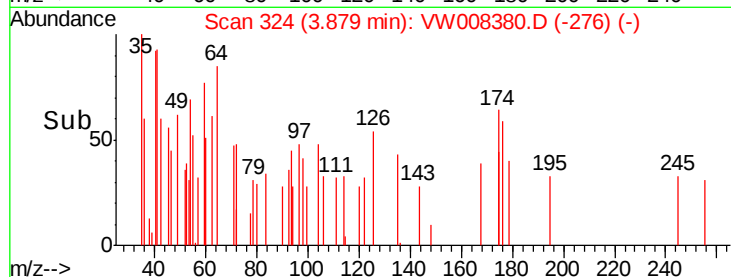
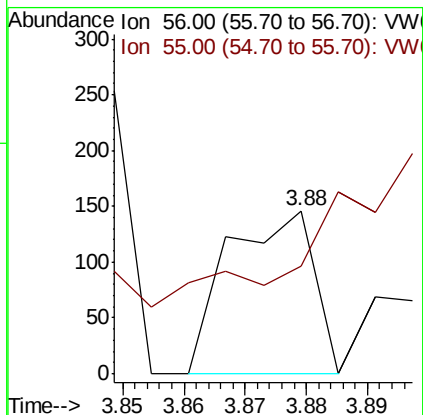
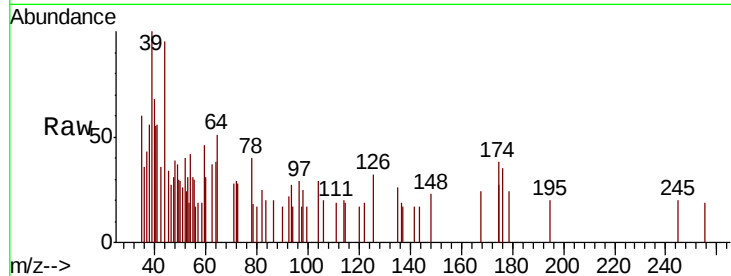
RT-1495

Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 0.0 52.9 79.3#



#16

Acetone

Concen: 13.537 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008380.D

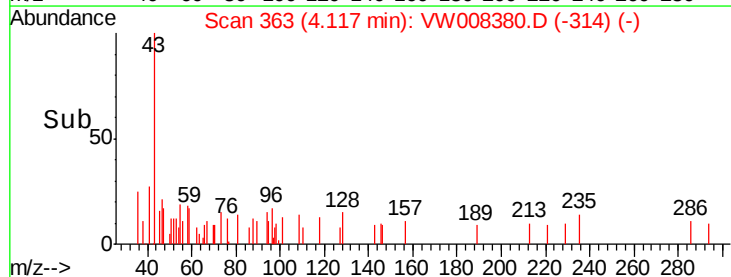
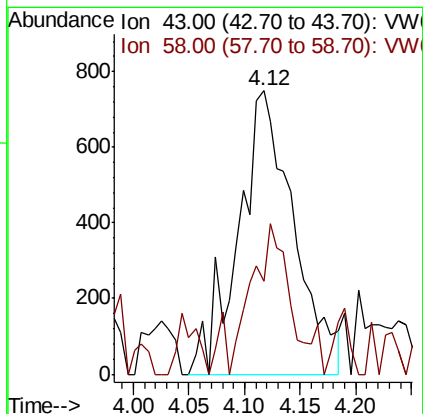
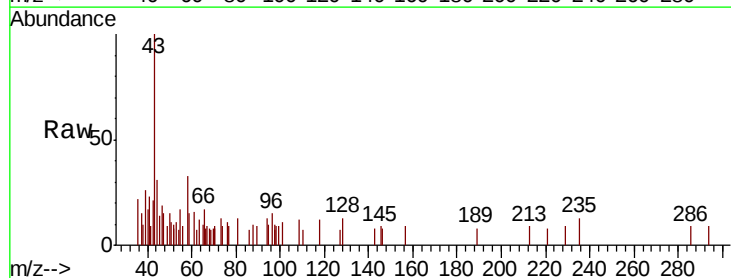
Acq: 21 Jan 2019 17:27

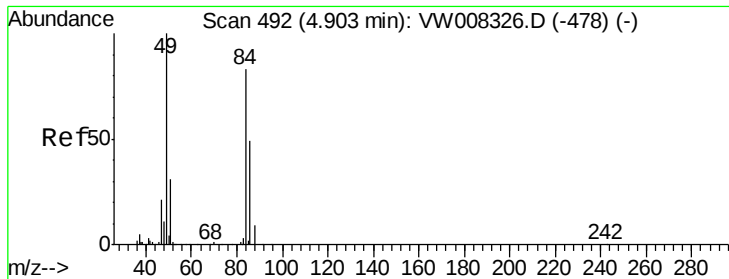
Tgt Ion: 43 Resp: 2587

Ion Ratio Lower Upper

43 100

58 19.5 24.7 37.1#





#20

Methylene Chloride

Concen: 9.362 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampled :

RT-1495

Tgt Ion: 84 Resp: 10859

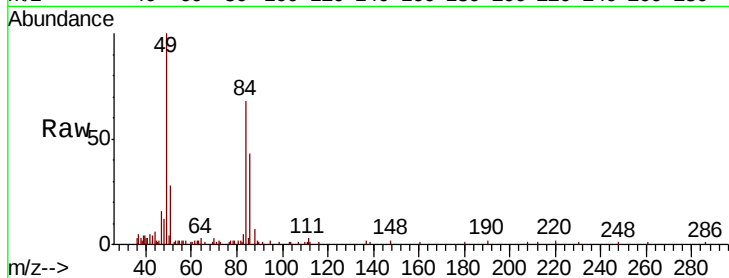
Ion Ratio Lower Upper

84 100

49 143.2 95.9 143.9

51 37.1 29.3 43.9

86 60.7 47.4 71.2

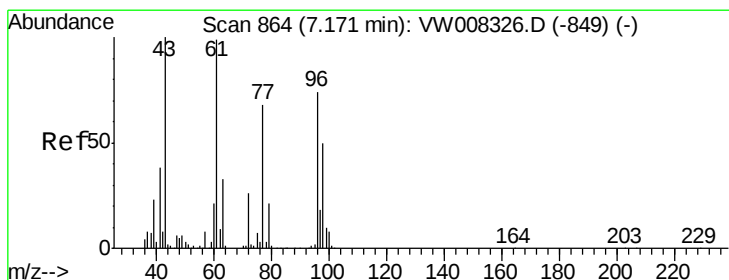
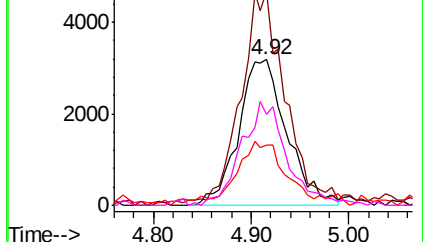
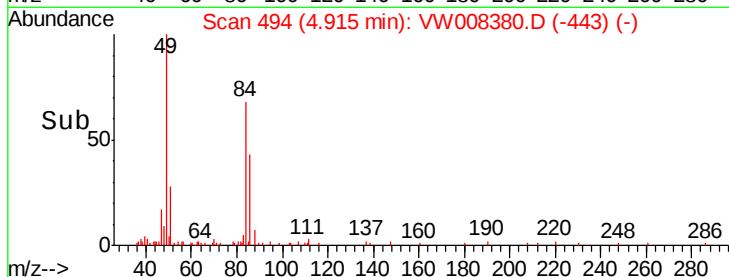


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.129 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW008380.D

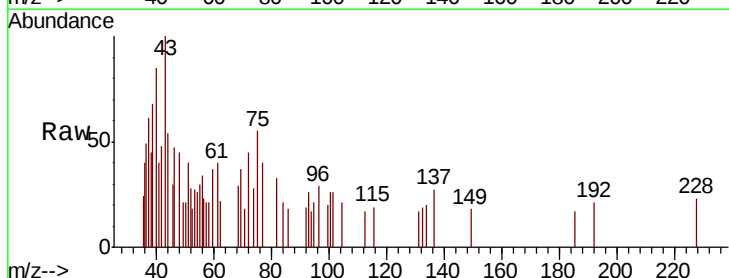
Acq: 21 Jan 2019 17:27

Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

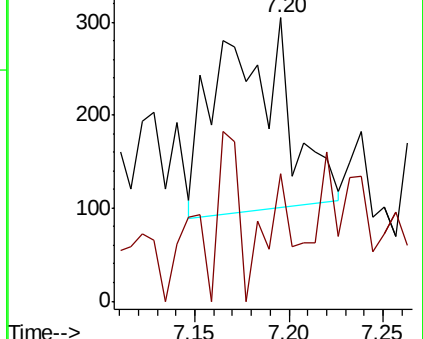
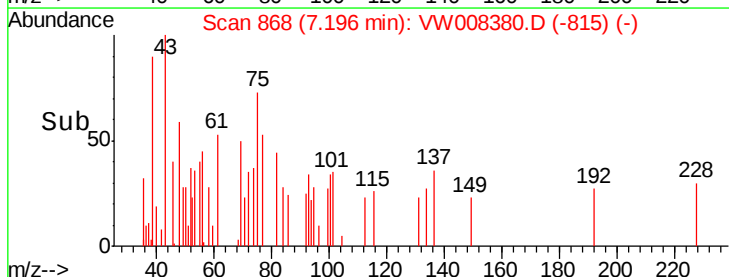
43 100

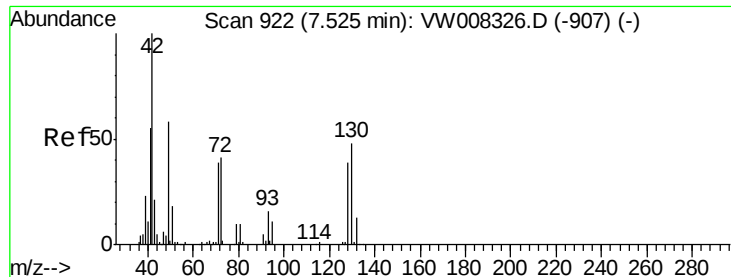
72 34.5 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

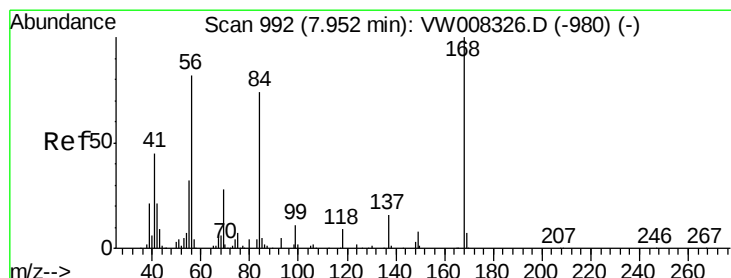
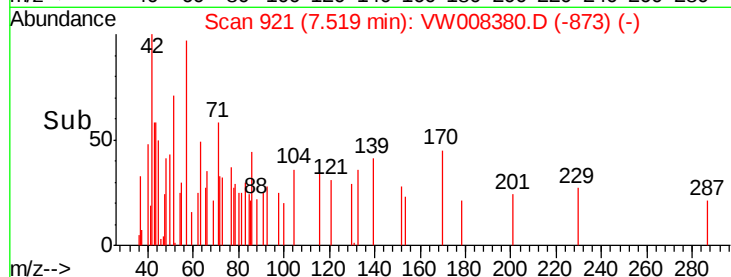
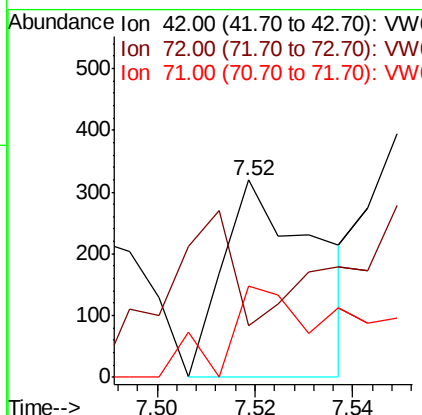
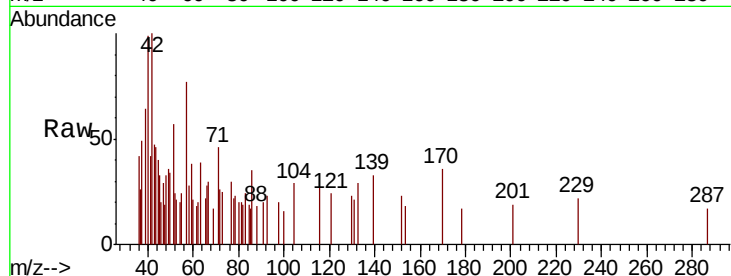




#29
Tetrahydrofuran
Concen: 2.785 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008380.D
Acq: 21 Jan 2019 17:27

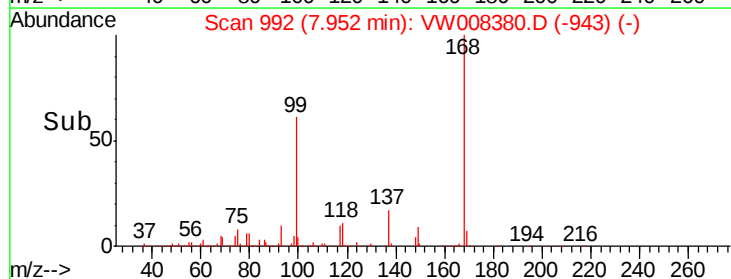
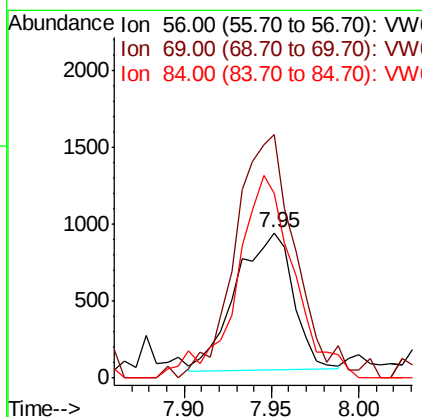
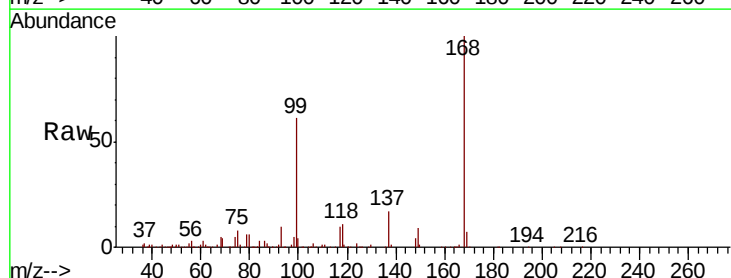
Instrument :
MSVOA_W
ClientSampled :
RT-1495

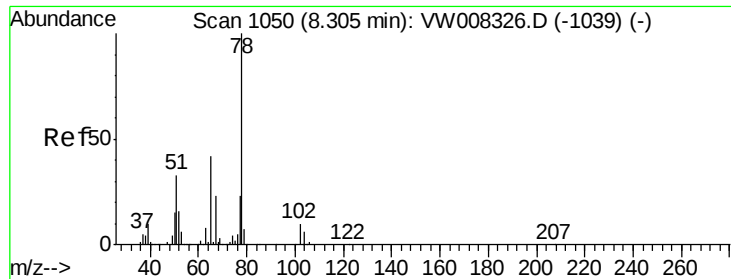
Tgt Ion: 42 Resp: 425
Ion Ratio Lower Upper
42 100
72 77.2 34.0 51.0#
71 36.5 32.0 48.0



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008380.D
Acq: 21 Jan 2019 17:27

Tgt Ion: 56 Resp: 2048
Ion Ratio Lower Upper
56 100
69 175.8 27.0 40.6#
84 121.0 72.5 108.7#

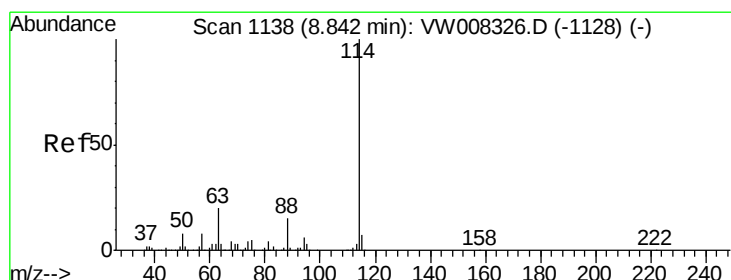
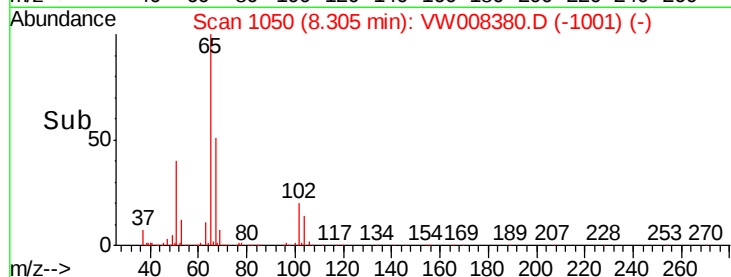
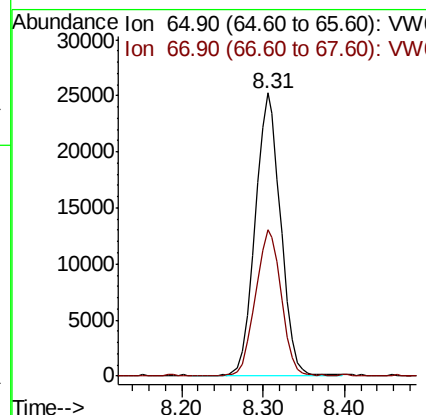
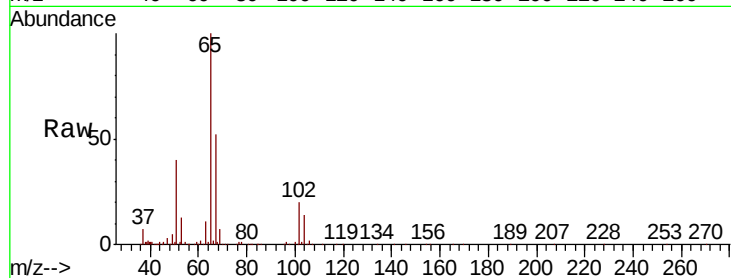




#33
 1,2-Dichloroethane-d4
 Concen: 67.298 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008380.D
 Acq: 21 Jan 2019 17:27

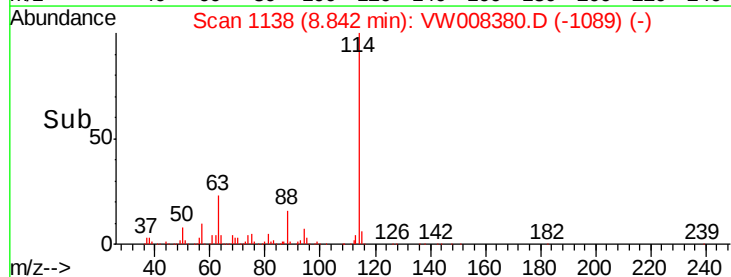
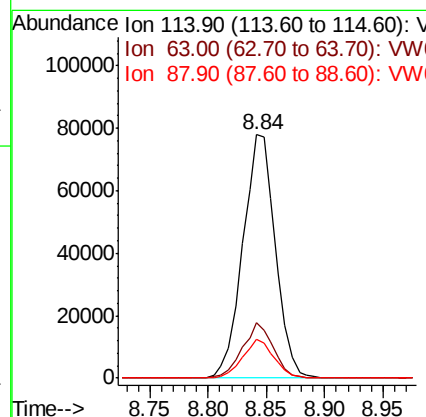
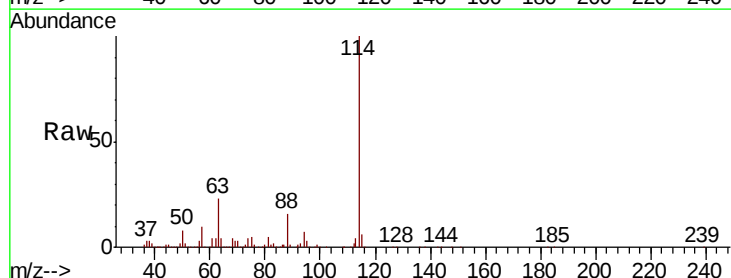
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1495

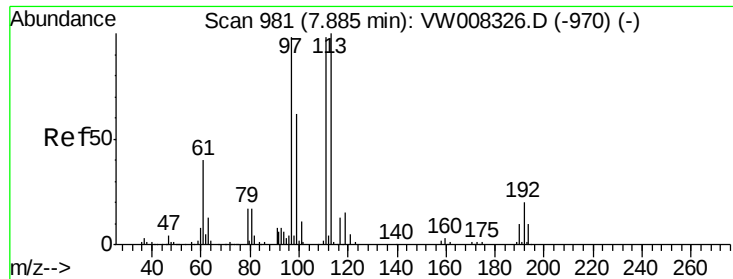
Tgt Ion: 65 Resp: 55379
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008380.D
 Acq: 21 Jan 2019 17:27

Tgt Ion: 114 Resp: 151697
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 40.8
 88 16.0 0.0 30.4

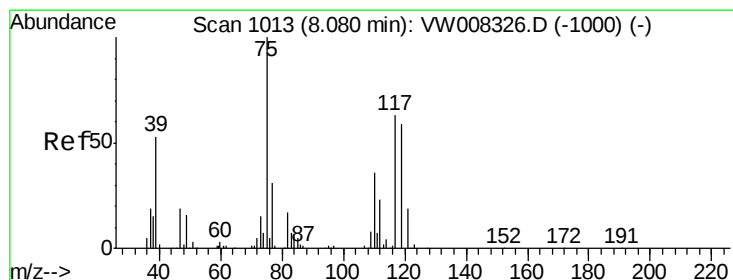
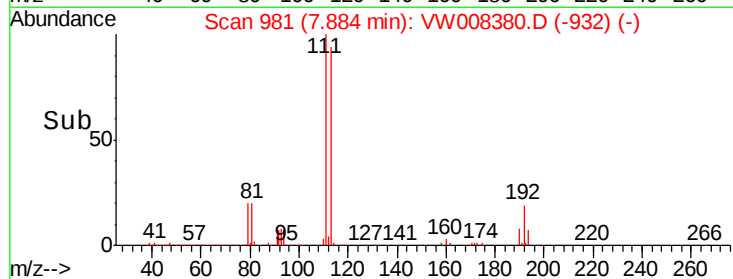
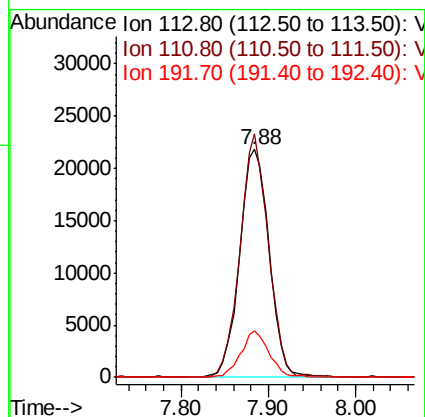
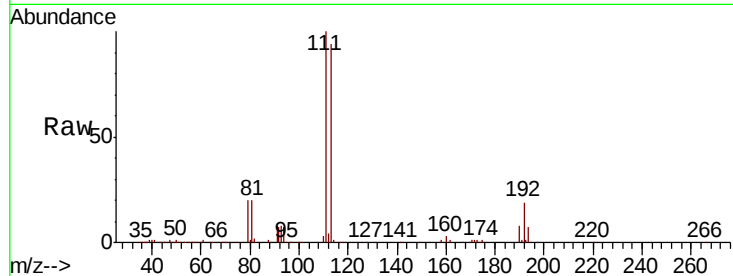




#35
 Dibromofluoromethane
 Concen: 53.013 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008380.D
 Acq: 21 Jan 2019 17:27

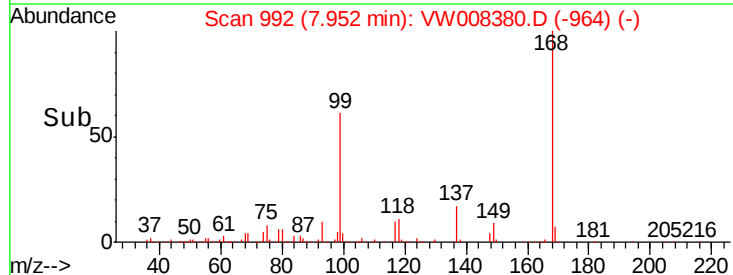
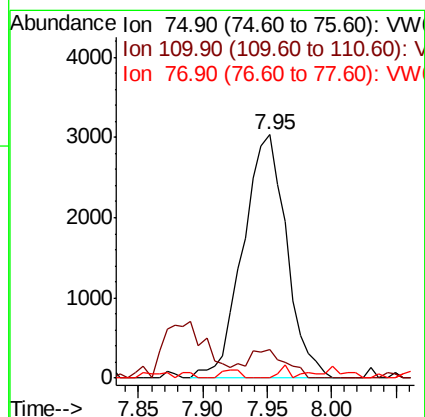
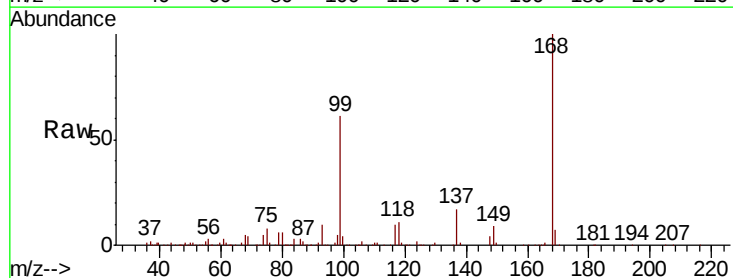
Instrument :
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 RT-1495

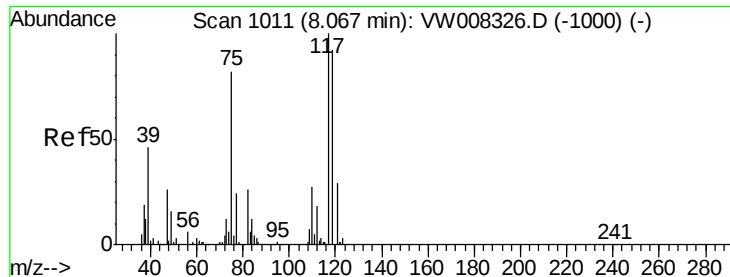
Tgt Ion:113 Resp: 51334
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.8 122.8
 192 19.3 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008380.D
 Acq: 21 Jan 2019 17:27

Tgt Ion: 75 Resp: 7104
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.5 52.6#
 77 1.4 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

RT-1495

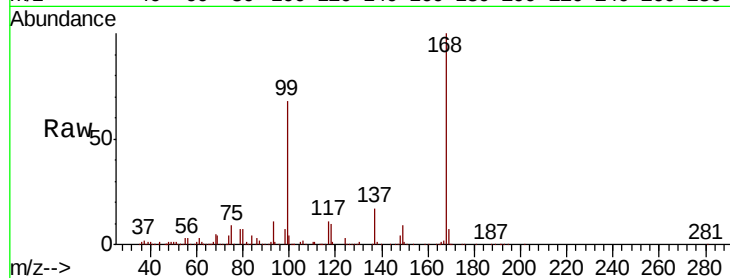
Tgt Ion: 117 Resp: 8595

Ion Ratio Lower Upper

117 100

119 8.8 73.8 110.6#

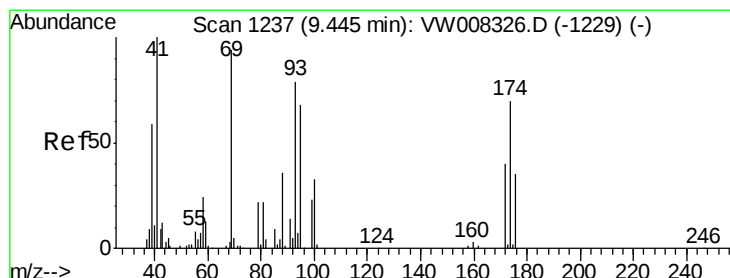
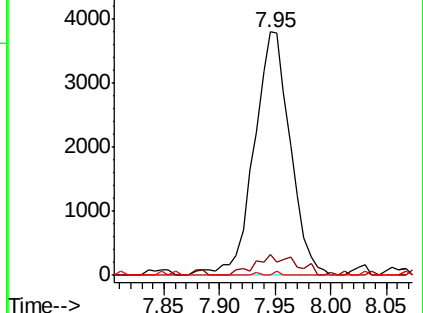
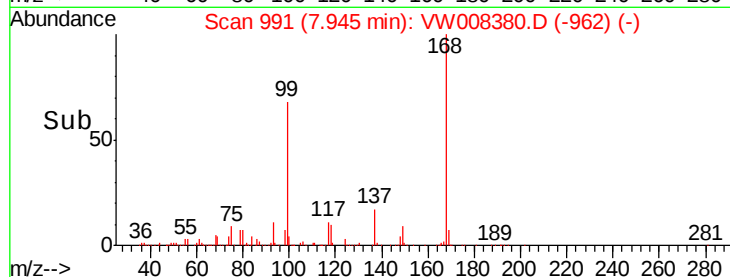
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 13.873 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

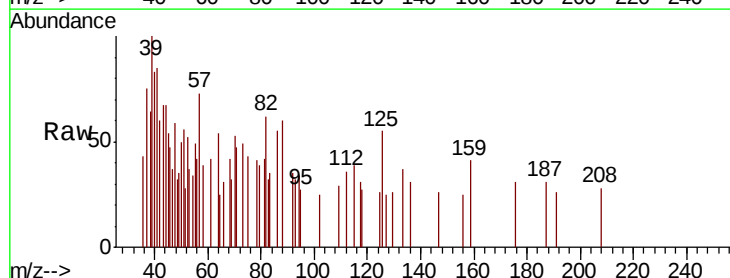
Tgt Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

43 212.8 27.1 40.7#

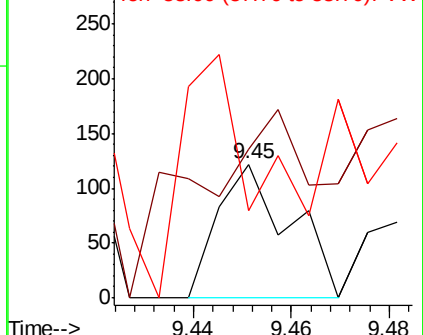
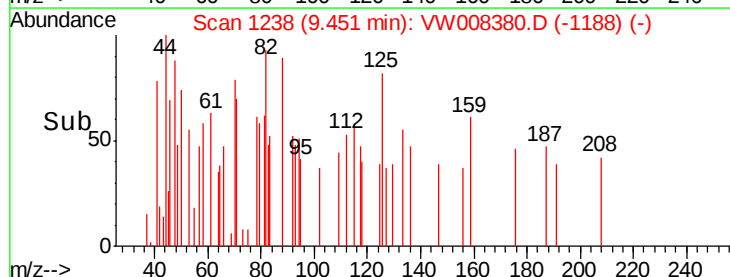
58 204.8 57.9 86.9#

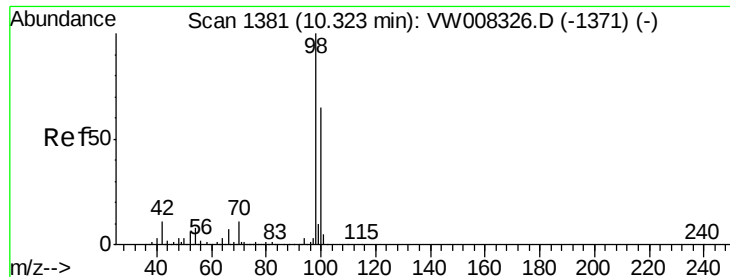


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.054 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

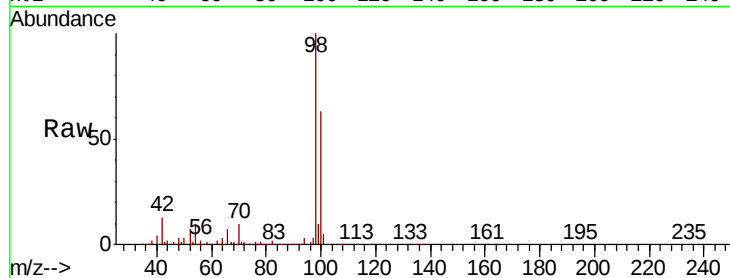
RT-1495

Tgt Ion: 98 Resp: 198021

Ion Ratio Lower Upper

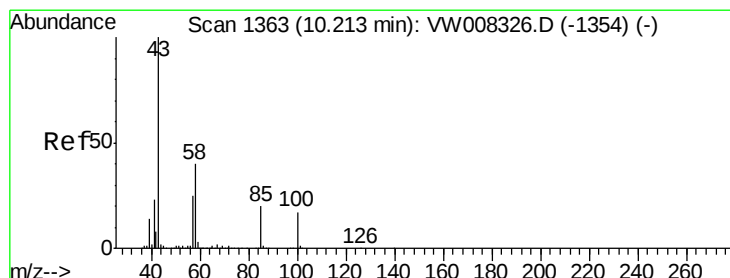
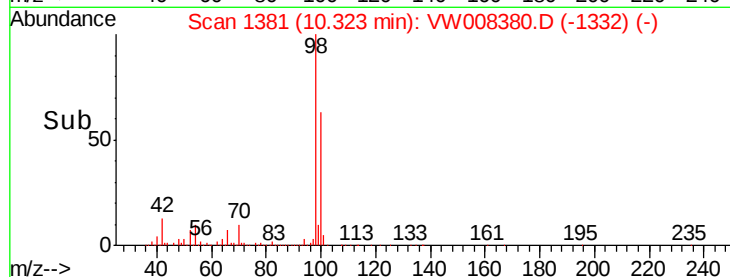
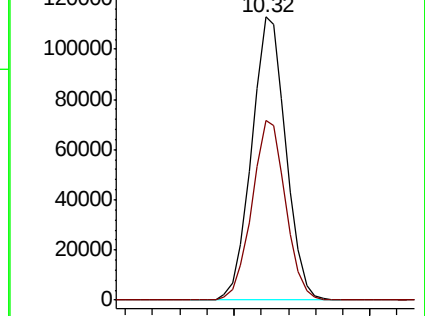
98 100

100 62.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.246 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008380.D

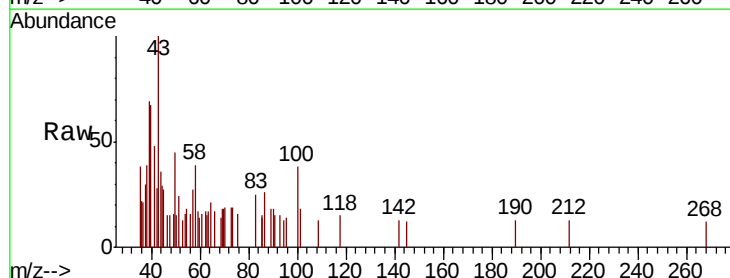
Acq: 21 Jan 2019 17:27

Tgt Ion: 43 Resp: 1352

Ion Ratio Lower Upper

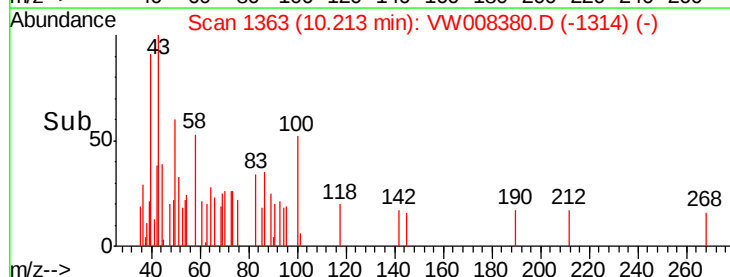
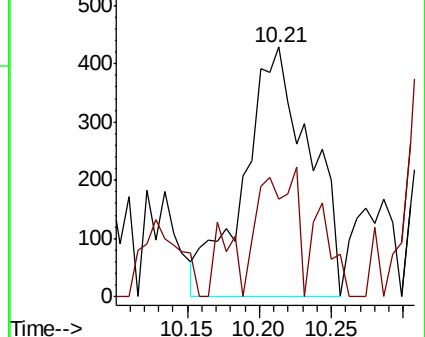
43 100

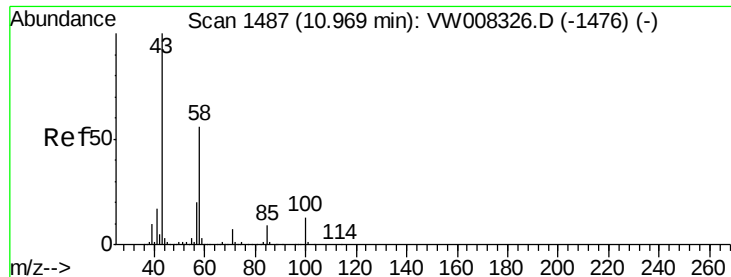
58 28.6 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#59

2-Hexanone

Concen: 1.681 ug/l

RT: 10.98 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

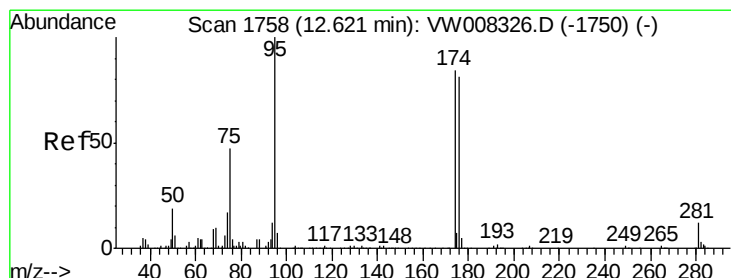
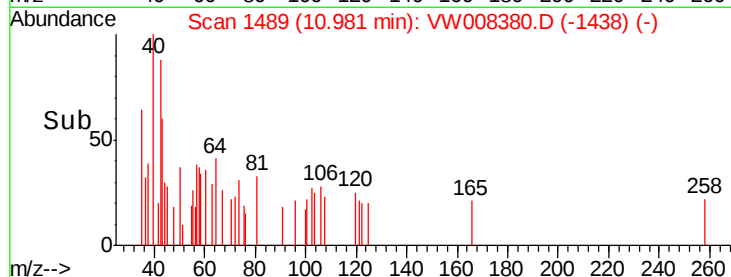
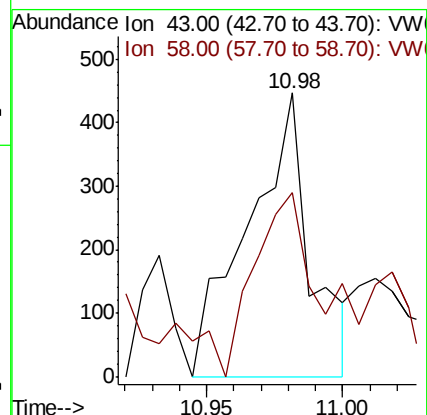
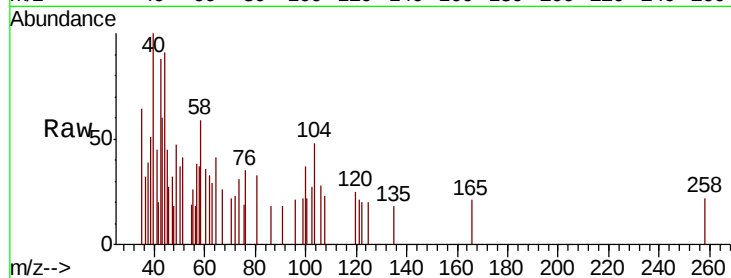
RT-1495

Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

58 57.4 27.5 82.5



#62

4-Bromofluorobenzene

Concen: 45.905 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

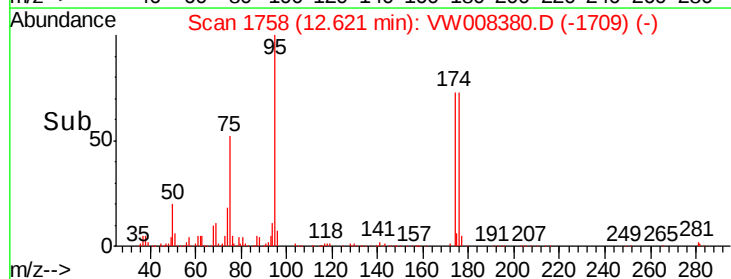
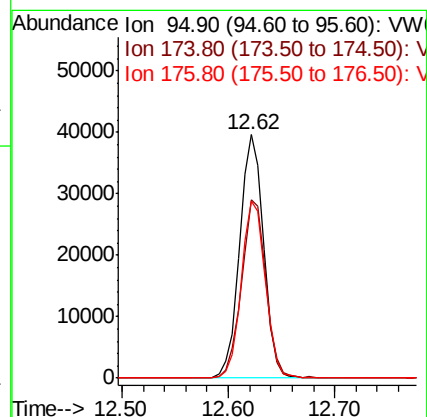
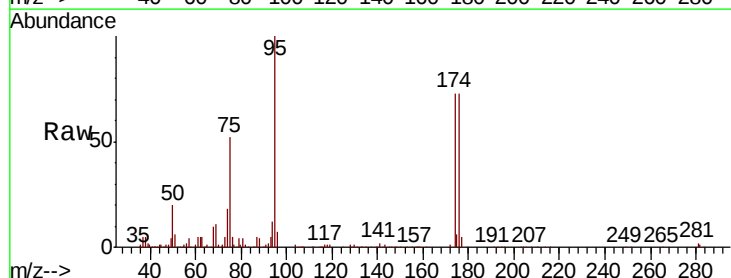
Tgt Ion: 95 Resp: 62631

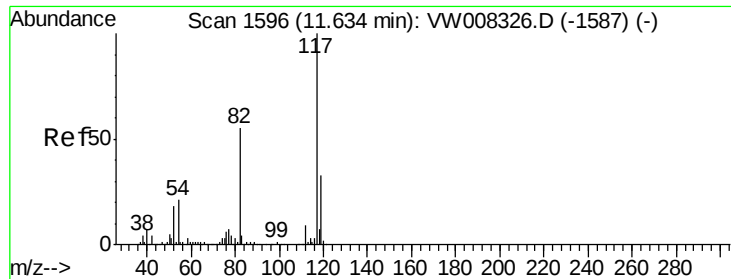
Ion Ratio Lower Upper

95 100

174 74.4 0.0 166.0

176 73.1 0.0 160.0

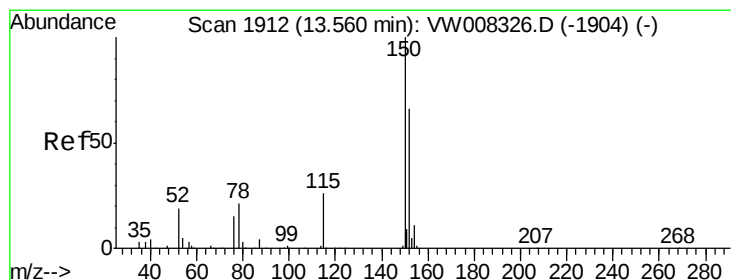
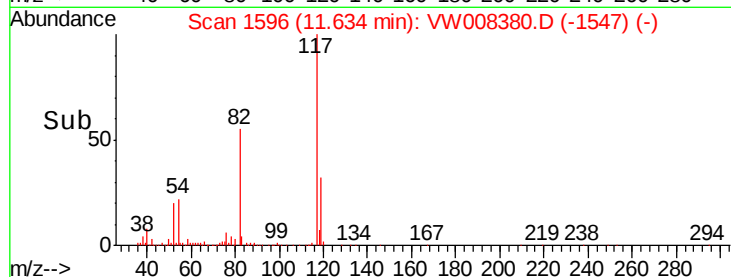
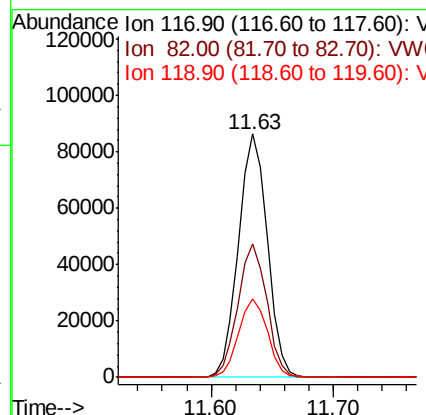
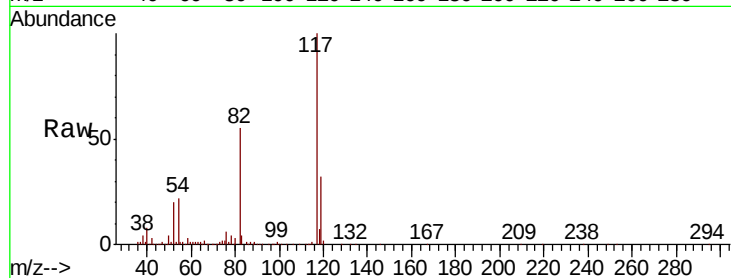




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW008380.D
 Acq: 21 Jan 2019 17:27

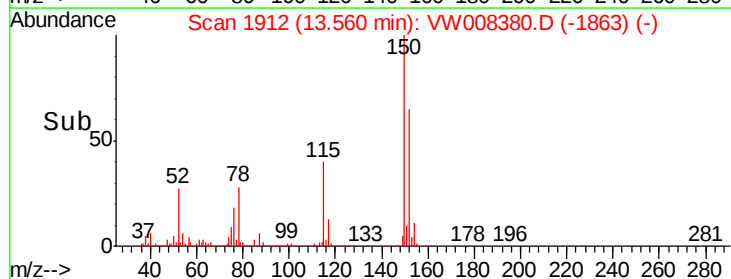
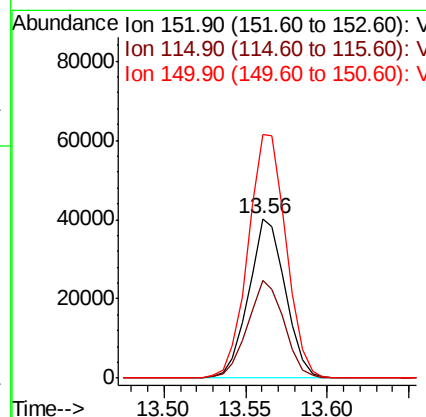
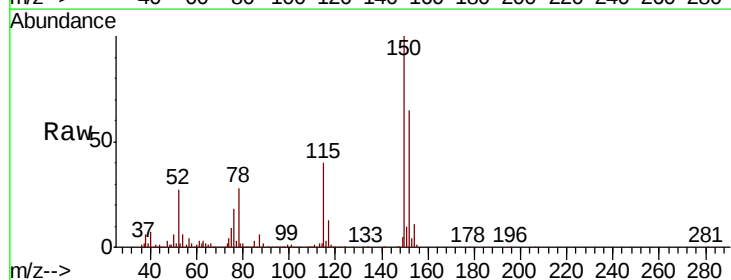
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-1495

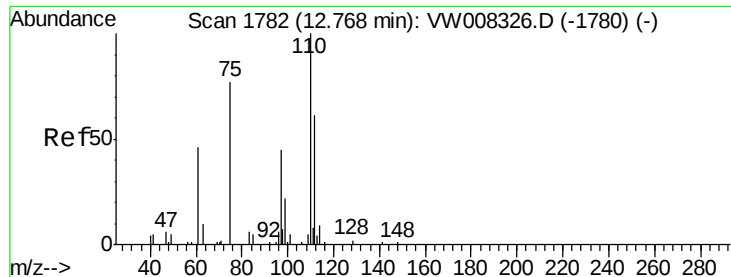
Tgt Ion:117 Resp: 140876
 Ion Ratio Lower Upper
 117 100
 82 54.8 44.3 66.5
 119 32.1 26.3 39.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW008380.D
 Acq: 21 Jan 2019 17:27

Tgt Ion:152 Resp: 62964
 Ion Ratio Lower Upper
 152 100
 115 61.2 28.8 86.4
 150 158.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 57.480 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

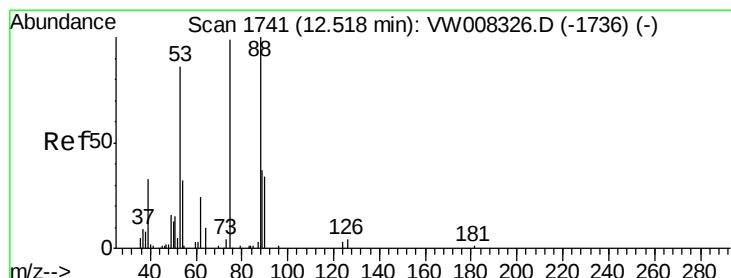
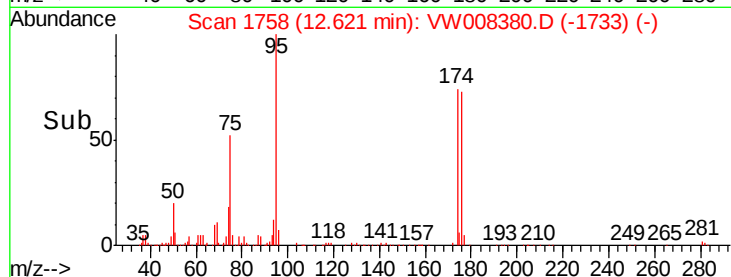
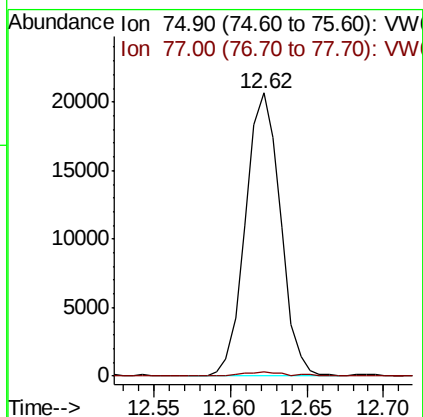
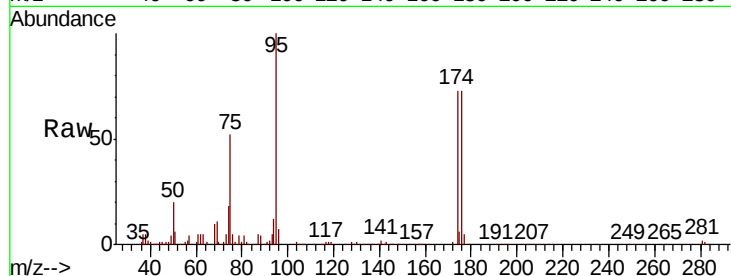
RT-1495

Tgt Ion: 75 Resp: 32958

Ion Ratio Lower Upper

75 100

77 1.9 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.171 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

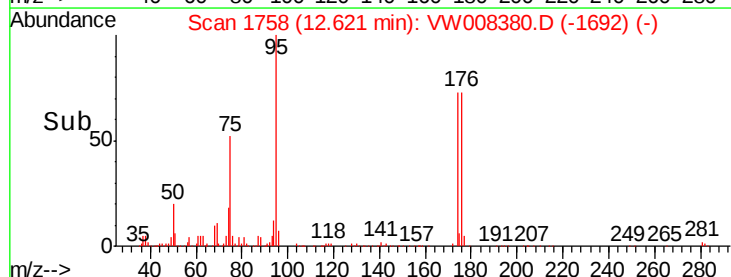
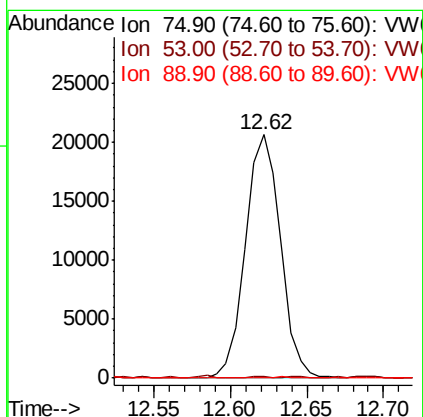
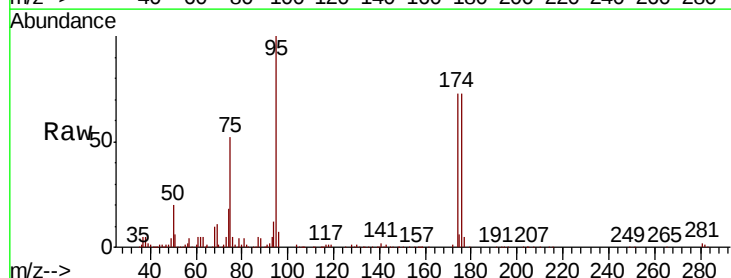
Tgt Ion: 75 Resp: 32958

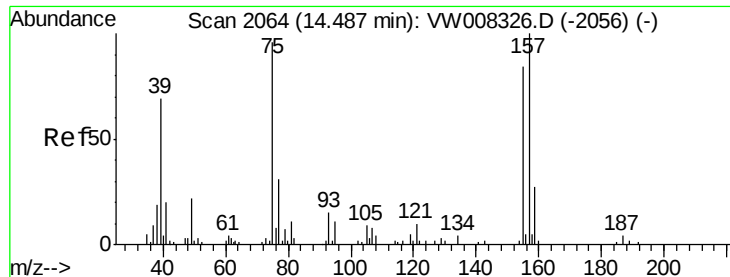
Ion Ratio Lower Upper

75 100

53 0.6 76.2 114.4#

89 0.3 36.7 55.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.053 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

RT-1495

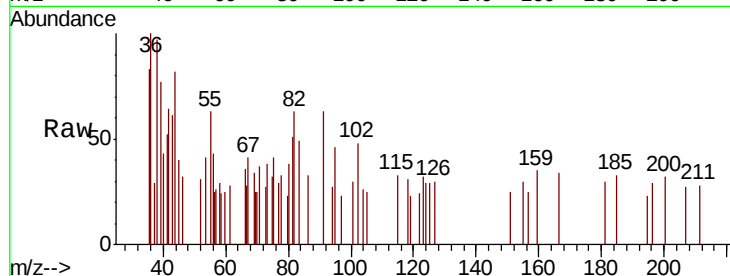
Tgt Ion: 75 Resp: 262

Ion Ratio Lower Upper

75 100

155 20.6 44.7 134.1#

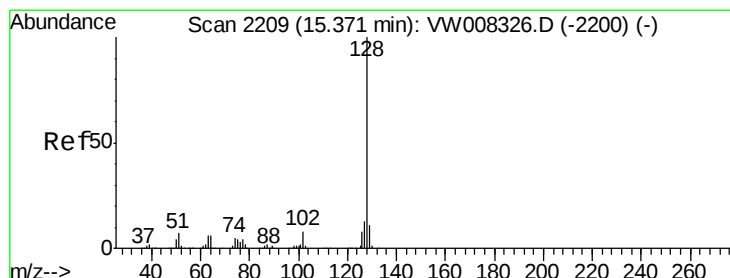
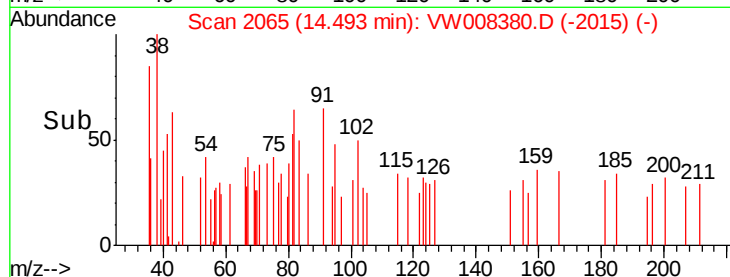
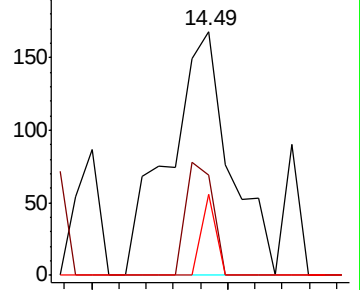
157 7.6 53.9 161.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 3.894 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008380.D

Acq: 21 Jan 2019 17:27

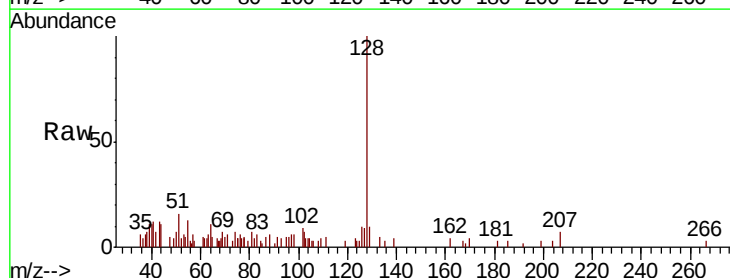
Tgt Ion: 128 Resp: 3967

Ion Ratio Lower Upper

128 100

127 16.4 10.5 15.7#

129 12.0 8.8 13.2



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

