

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007098.D
 Acq On : 27 Nov 2018 19:43
 Operator : VAY/AP
 Sample : J6083-01
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1

Quant Time: Nov 28 00:34:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	133536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	135945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44140	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
35) Dibromofluoromethane	7.89	113	37186	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	10.32	98	158861	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.62	95	65436	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

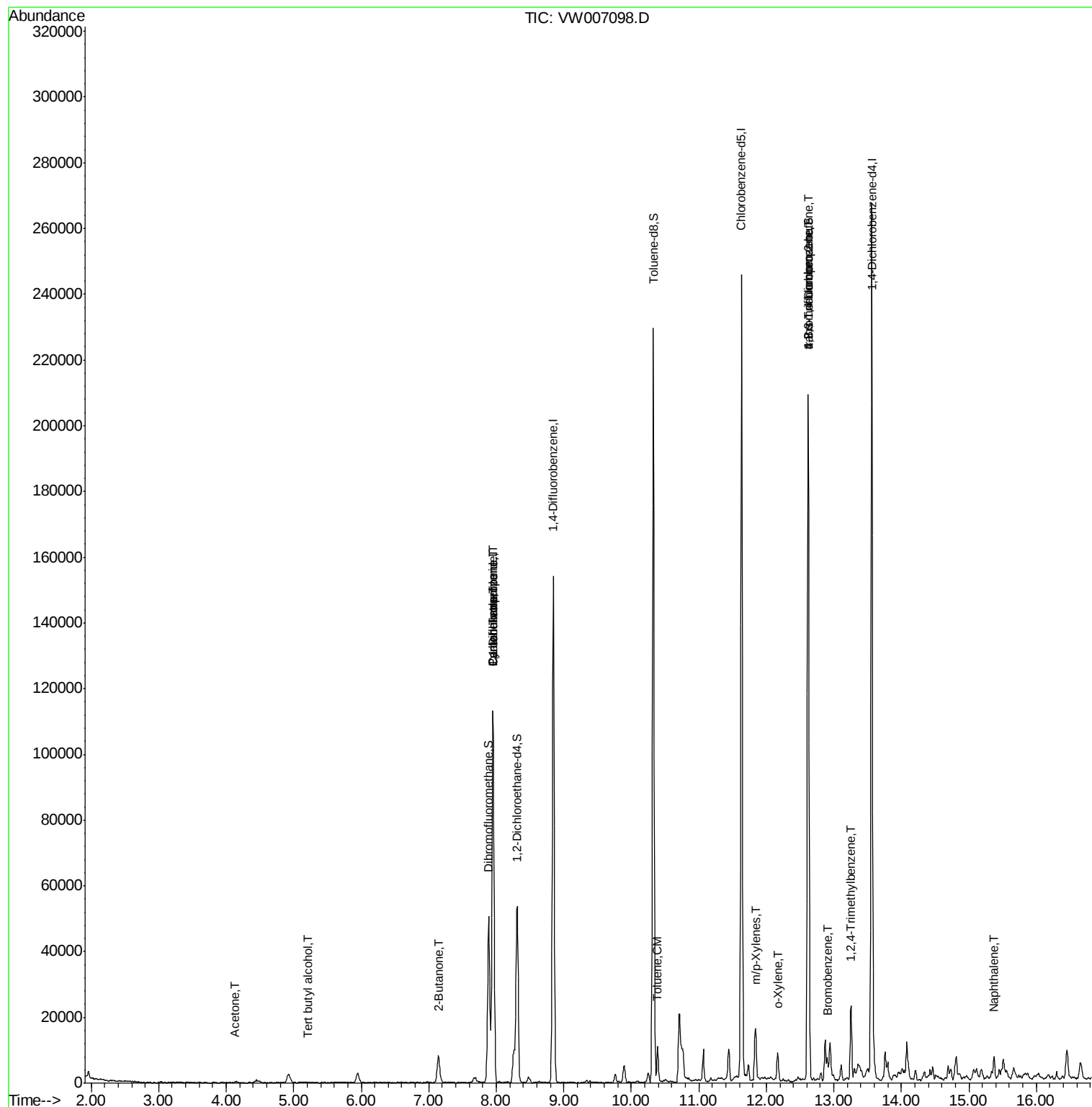
						Qvalue
11) Tert butyl alcohol	5.21	59	105	1.994	ug/l #	71
16) Acetone	4.14	43	717	6.105	ug/l #	77
20) Methylene Chloride	4.93	84	2209	Below Cal		92
25) 2-Butanone	7.15	43	557	2.769	ug/l #	48
31) Cyclohexane	7.95	56	1674	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6277	4.810	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8541	6.835	ug/l #	17
52) Toluene	10.39	92	4980	2.077	ug/l	97
68) m/p-Xylenes	11.83	106	5245	2.565	ug/l	96
69) o-Xylene	12.17	106	2304	1.195	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	32880	60.436	ug/l #	100
77) Bromobenzene	12.91	156	1873	1.621	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32880	151.729	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	12965	2.797	ug/l	97
95) Naphthalene	15.37	128	5993	2.422	ug/l	97

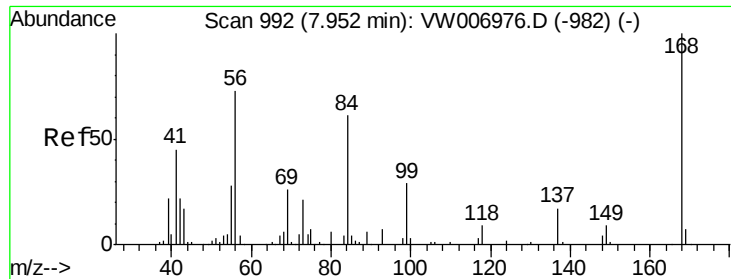
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 28 00:34:34 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
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: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampled :

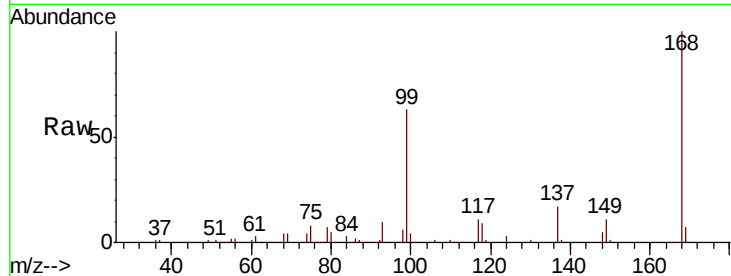
WC-1

Tot Ion:168 Resp: 82620

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

40000

30000

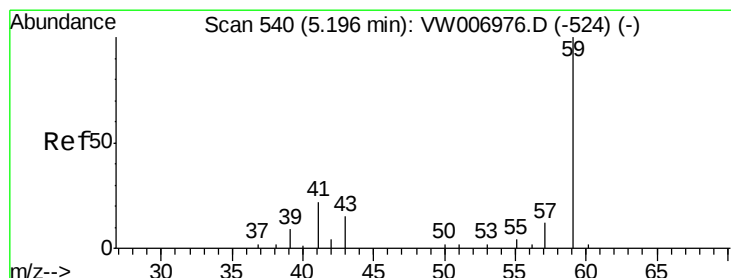
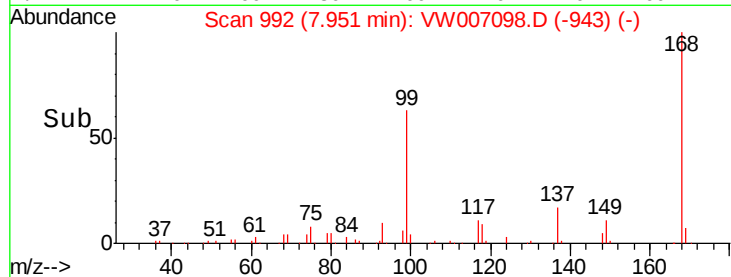
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 1.994 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.02 min

Lab File: VW007098.D

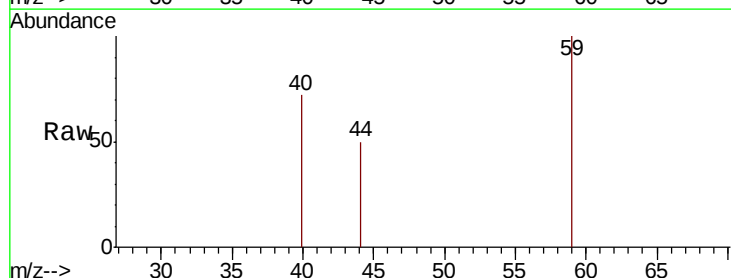
Acq: 27 Nov 2018 19:43

Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

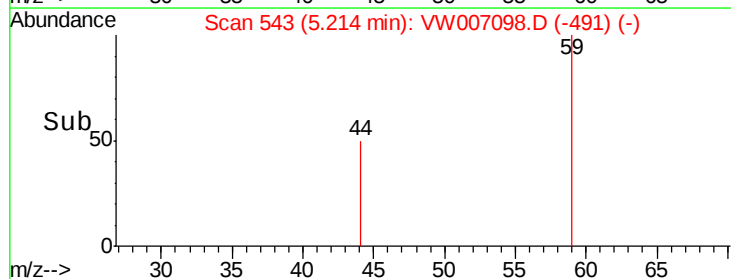
100

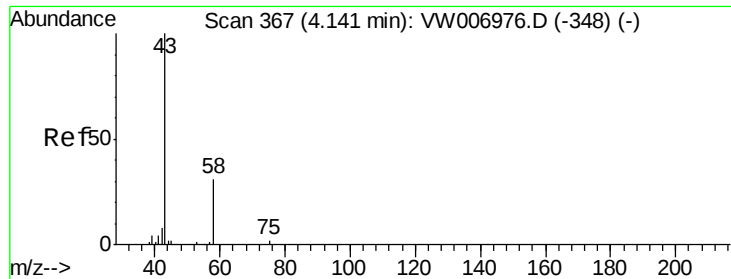
50

0

Time-->

5.20 5.22





#16

Acetone

Concen: 6.105 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampleId :

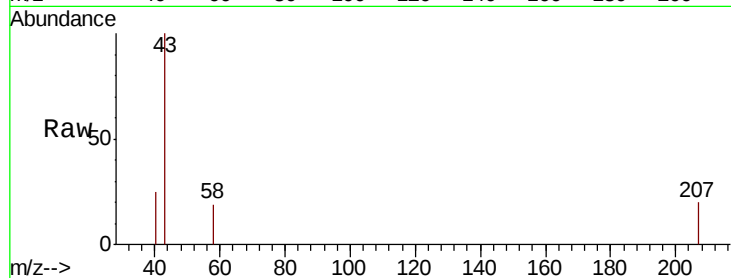
WC-1

Tot Ion: 43 Resp: 717

Ion Ratio Lower Upper

43 100

58 18.5 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

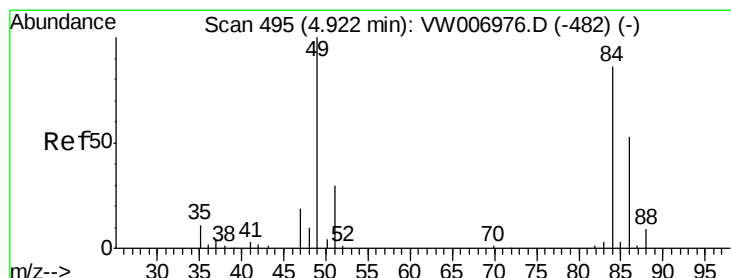
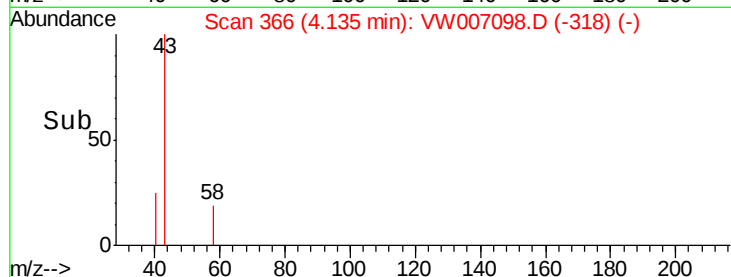
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Tgt Ion: 84 Resp: 2209

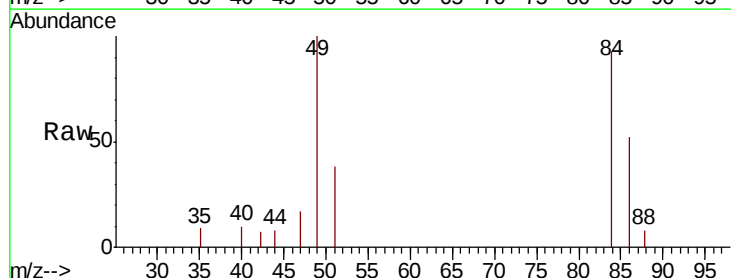
Ion Ratio Lower Upper

84 100

49 107.4 93.4 140.0

51 40.6 28.4 42.6

86 56.3 49.8 74.8



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

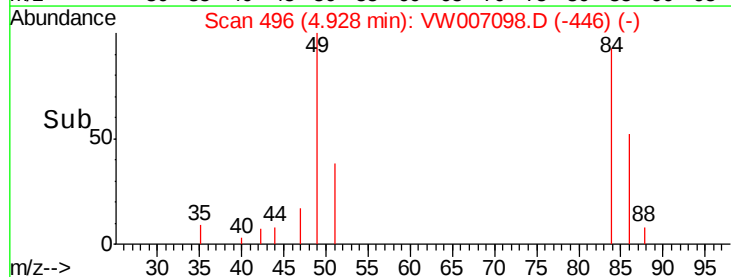
Ion 85.90 (85.60 to 86.60): VW

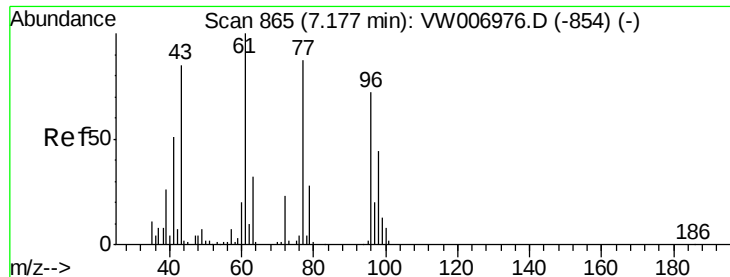
1000

500

0

Time-->





#25

2-Butanone

Concen: 2.769 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampleId :

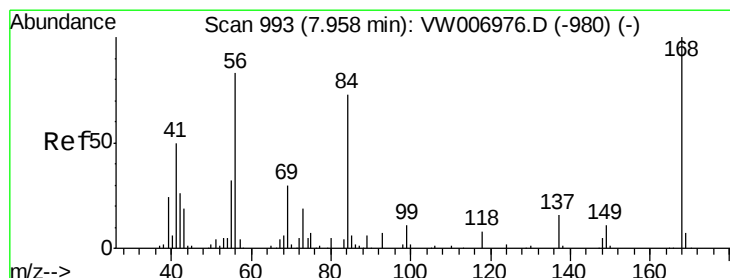
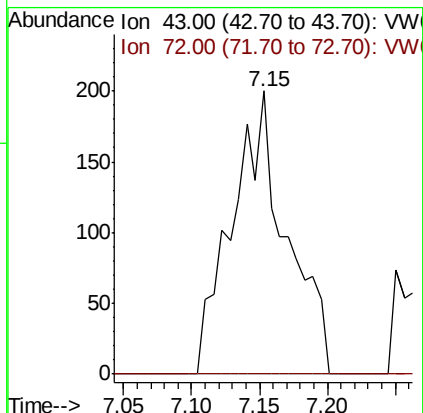
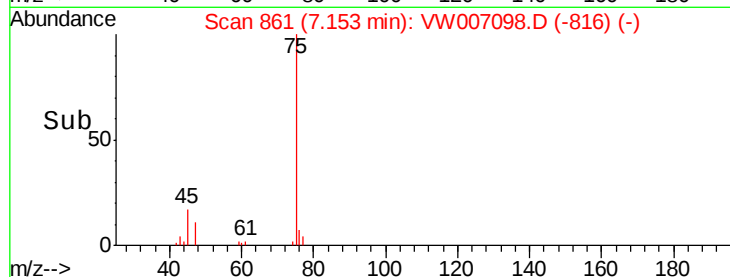
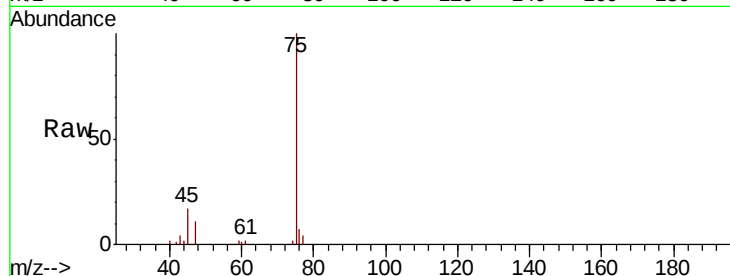
WC-1

Tot Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

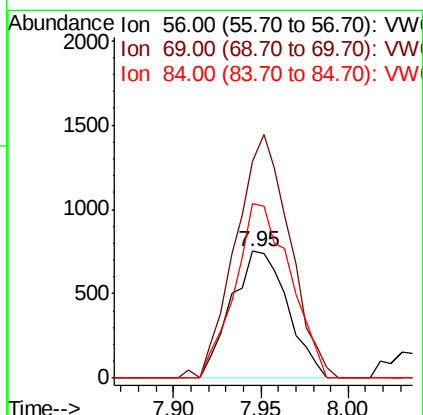
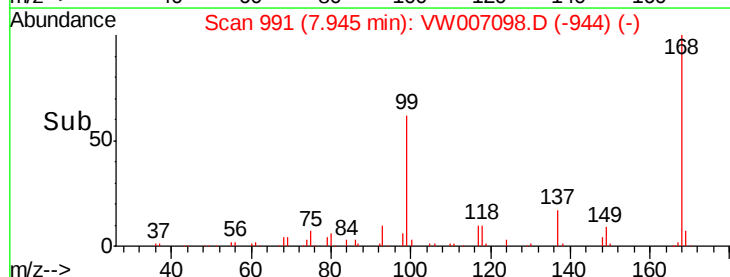
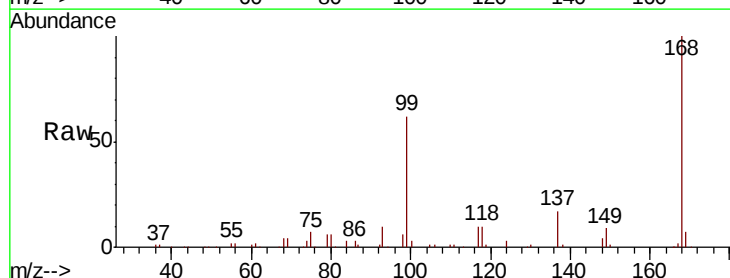
Tgt Ion: 56 Resp: 1674

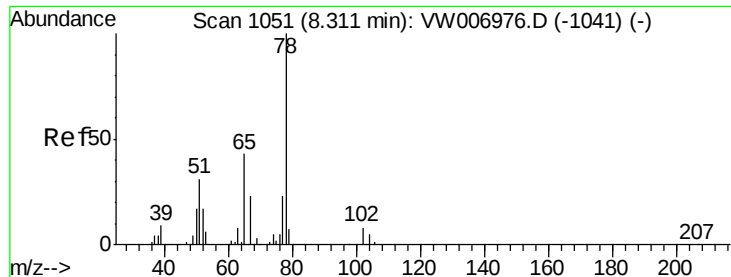
Ion Ratio Lower Upper

56 100

69 171.3 29.1 43.7#

84 137.6 70.6 105.8#

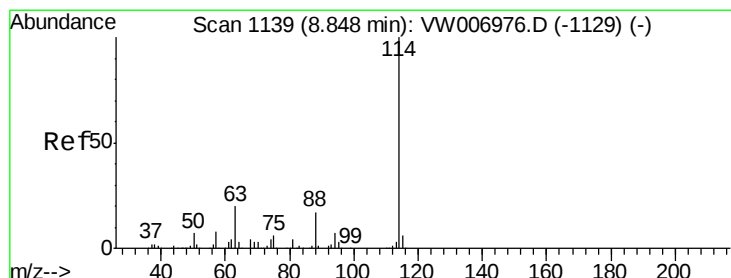
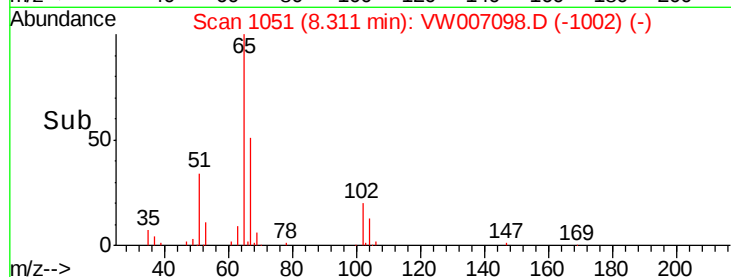
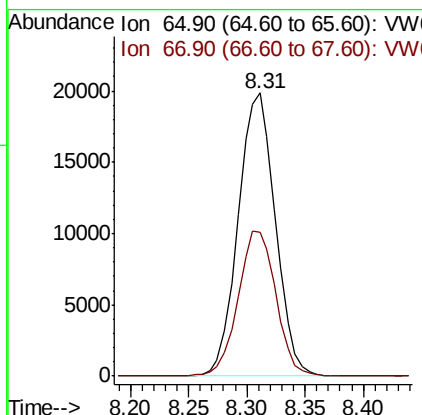
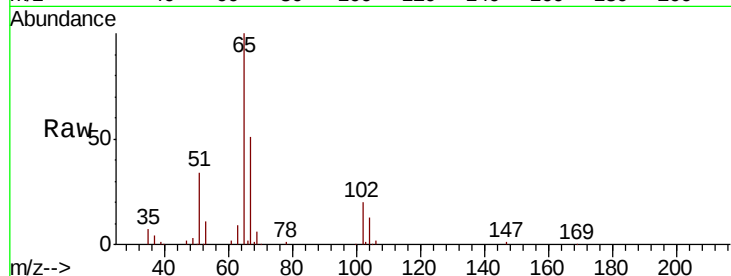




#33
 1,2-Dichloroethane-d4
 Concen: 54.570 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007098.D
 Acq: 27 Nov 2018 19:43

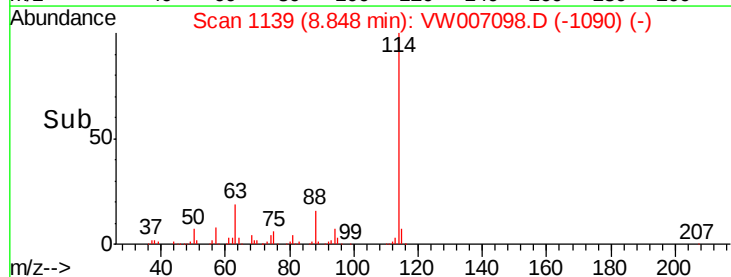
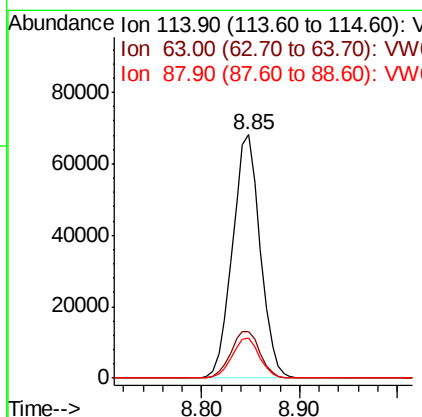
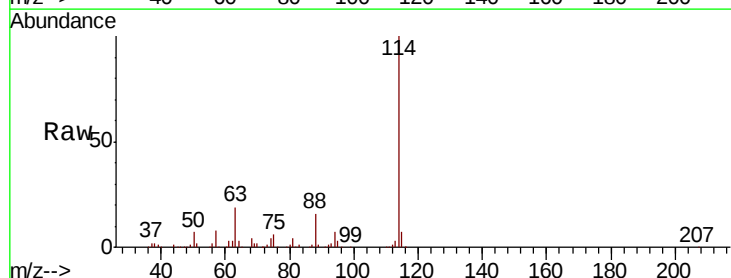
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1

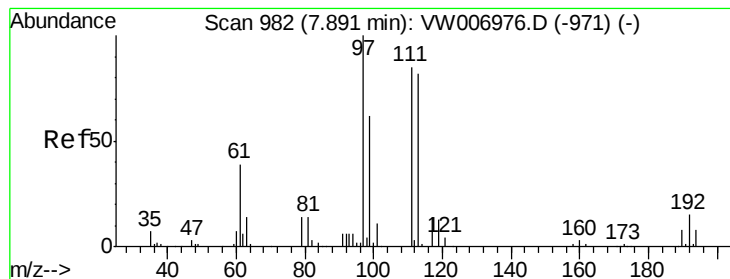
Tot Ion: 65 Resp: 44140
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007098.D
 Acq: 27 Nov 2018 19:43

Tgt Ion: 114 Resp: 133536
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.311 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampleId :

WC-1

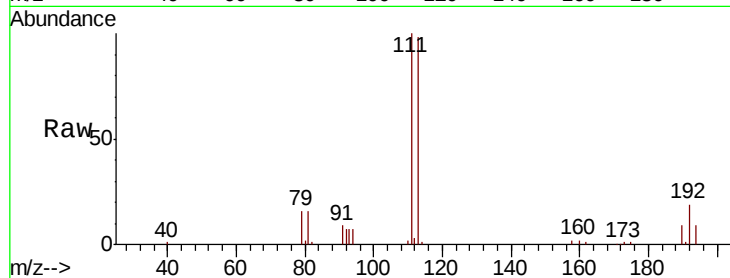
Tot Ion:113 Resp: 37186

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.6

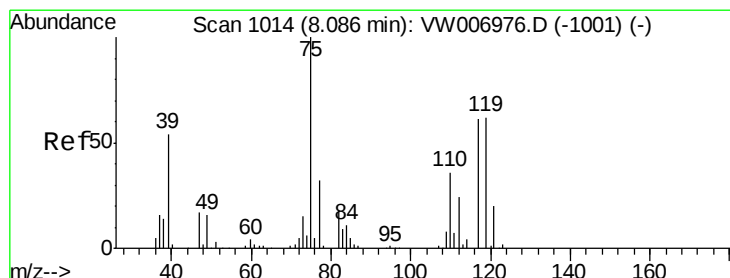
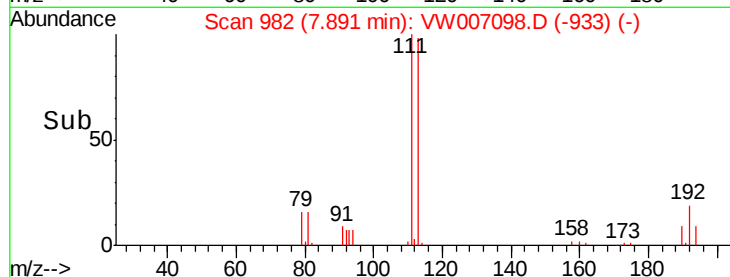
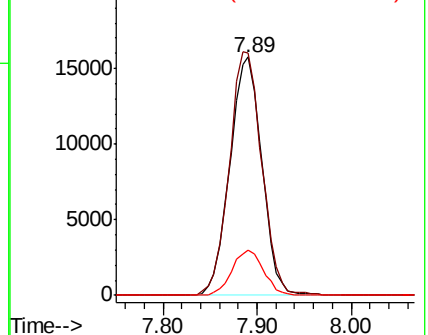
192 18.6 15.0 22.6



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: 4.810 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

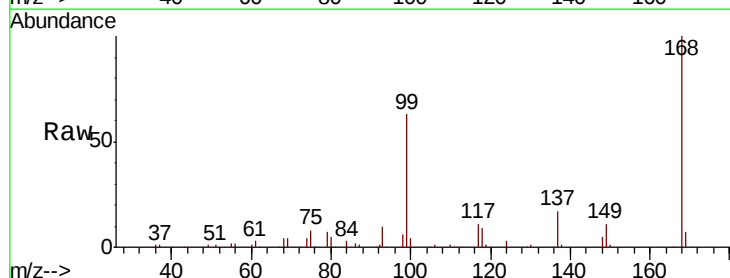
Tgt Ion: 75 Resp: 6277

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

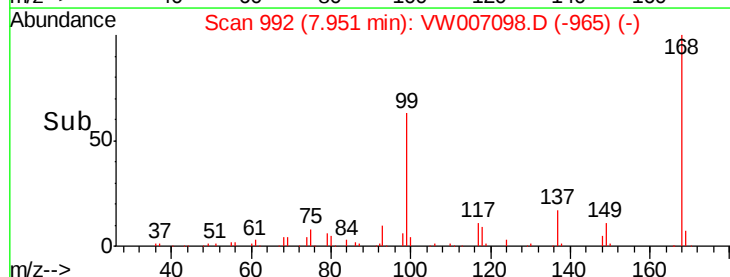
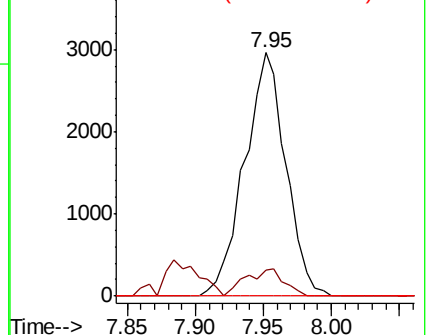
77 0.0 24.9 37.3#

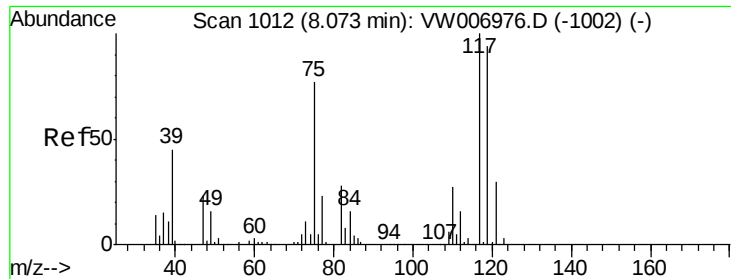


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

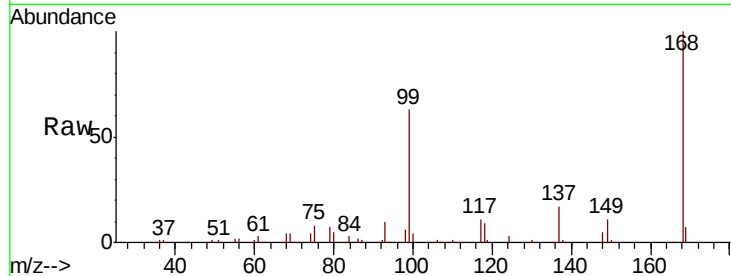




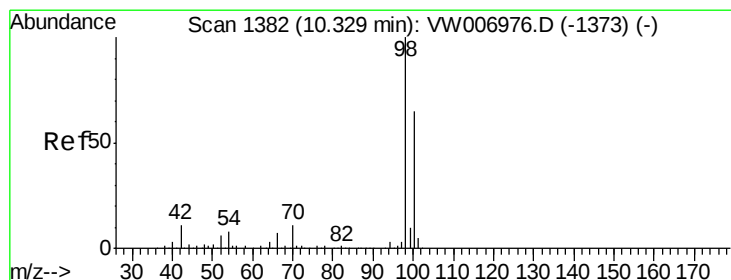
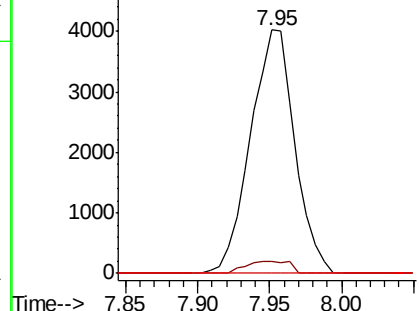
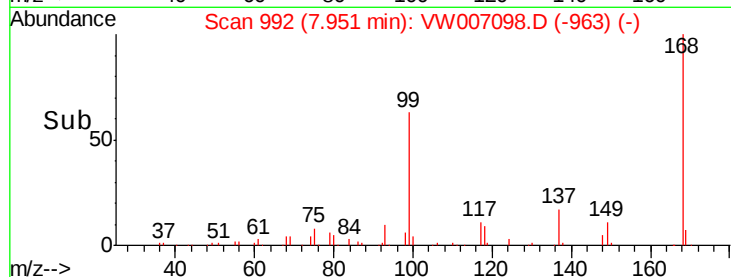
#38
Carbon Tetrachloride
Concen: 6.835 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007098.D
Acq: 27 Nov 2018 19:43

Instrument :
MSVOA_W
ClientSampled :
WC-1

Tot Ion:117 Resp: 8541
Ion Ratio Lower Upper
117 100
119 5.1 74.9 112.3#
121 0.0 23.6 35.4#

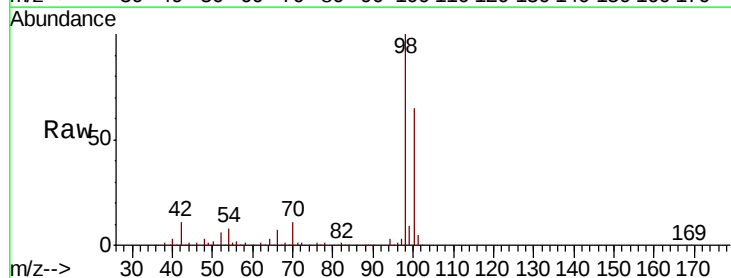


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

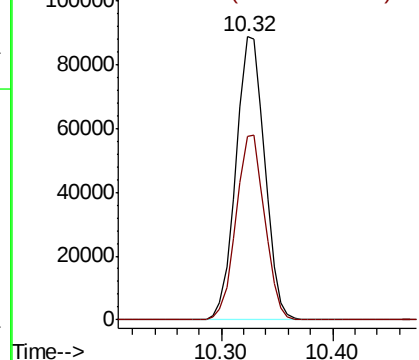
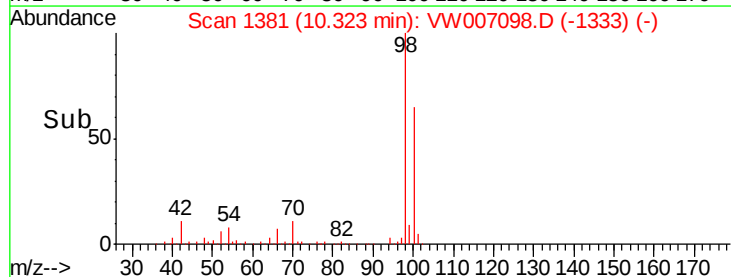


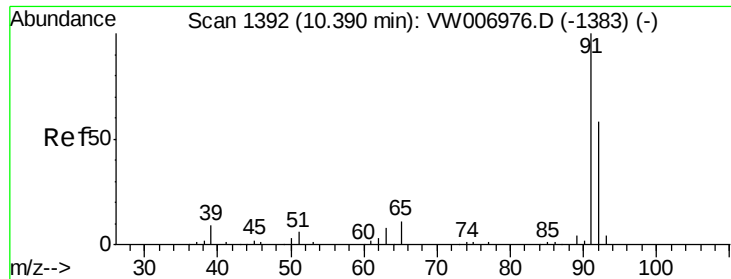
#50
Toluene-d8
Concen: 47.705 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007098.D
Acq: 27 Nov 2018 19:43

Tgt Ion: 98 Resp: 158861
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.077 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampled :

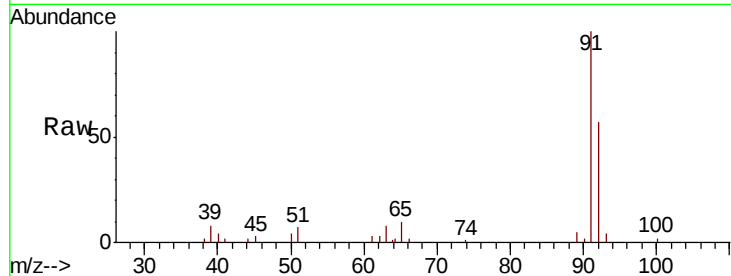
WC-1

Tot Ion: 92 Resp: 4980

Ion Ratio Lower Upper

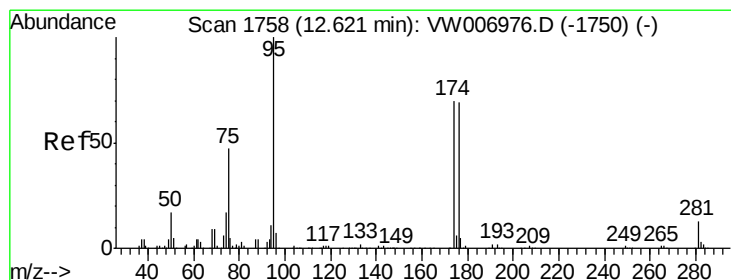
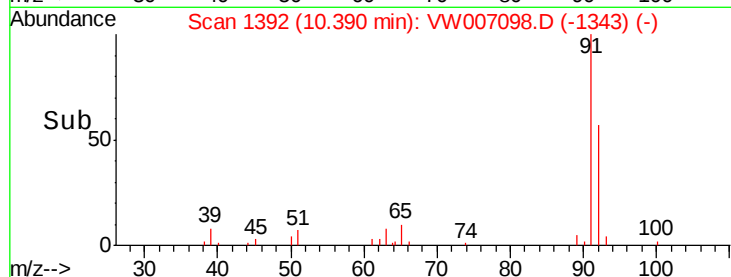
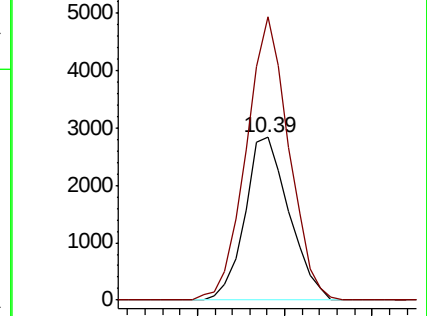
92 100

91 167.7 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 49.935 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

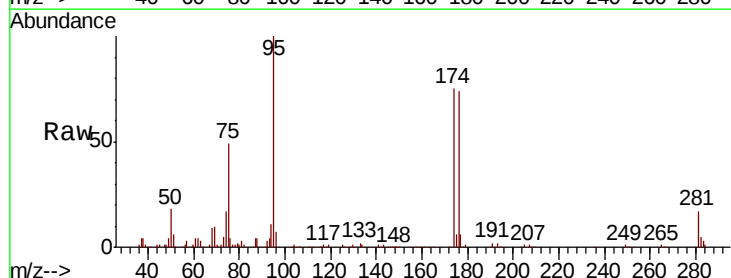
Tgt Ion: 95 Resp: 65436

Ion Ratio Lower Upper

95 100

174 74.5 0.0 143.6

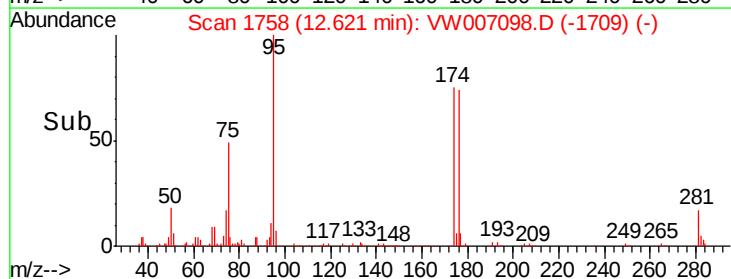
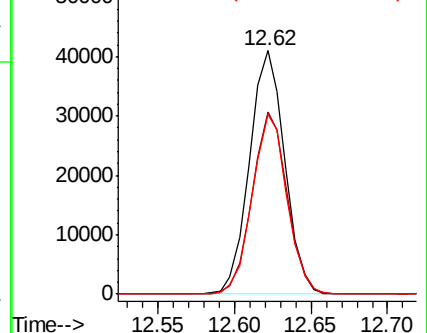
176 72.9 0.0 140.4

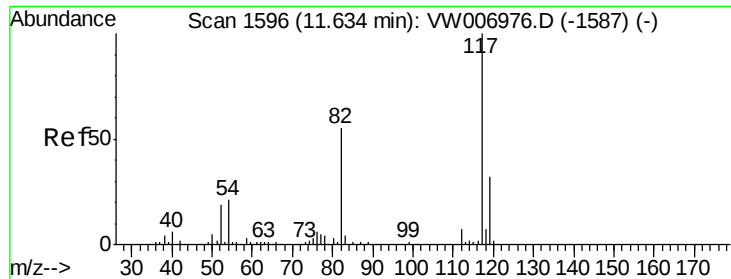


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

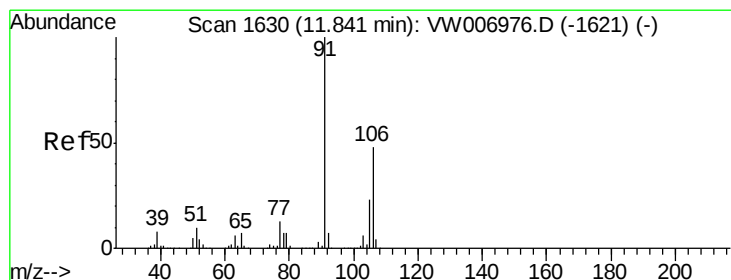
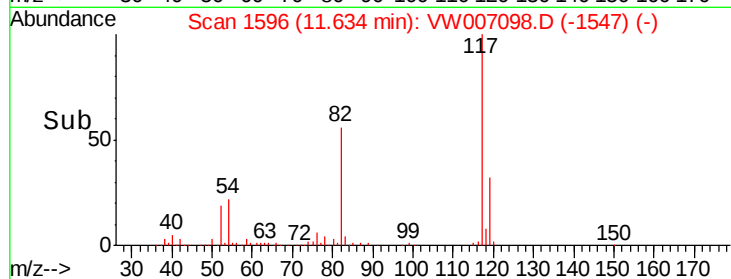
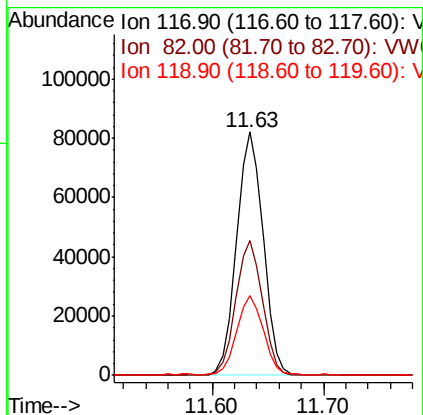
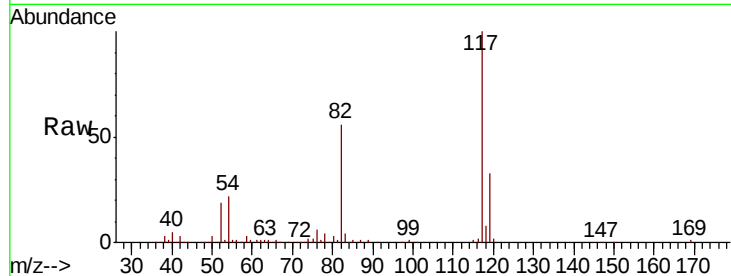




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007098.D
Acq: 27 Nov 2018 19:43

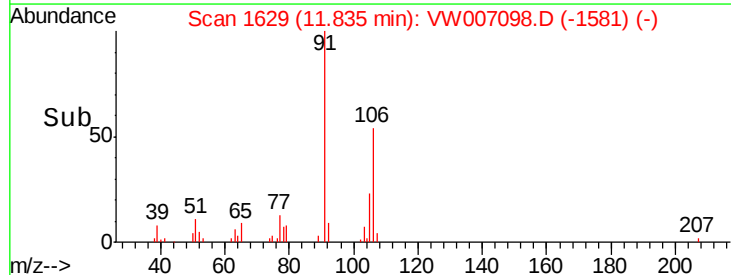
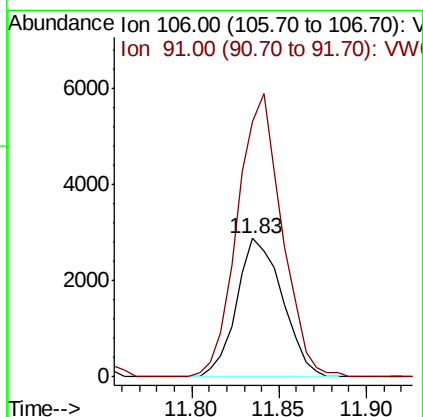
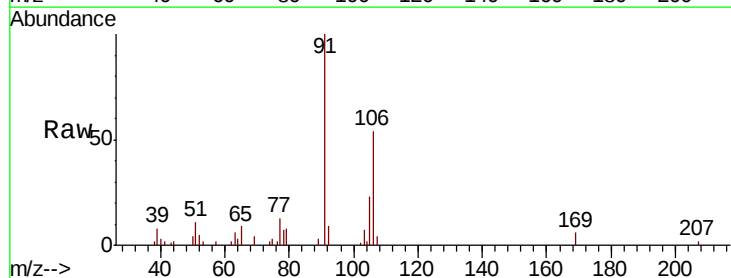
Instrument :
MSVOA_W
ClientSampleId :
WC-1

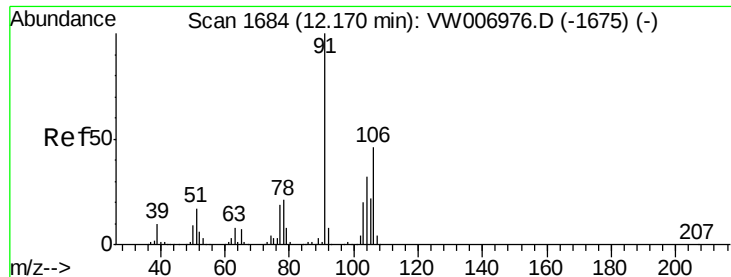
Tot Ion:117 Resp: 135945
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.2 25.9 38.9



#68
m/p-Xylenes
Concen: 2.565 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007098.D
Acq: 27 Nov 2018 19:43

Tgt Ion:106 Resp: 5245
Ion Ratio Lower Upper
106 100
91 199.3 164.8 247.2

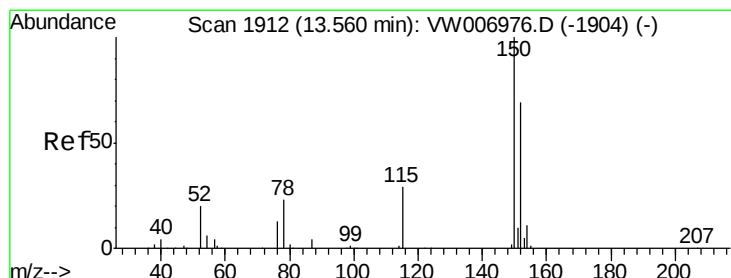
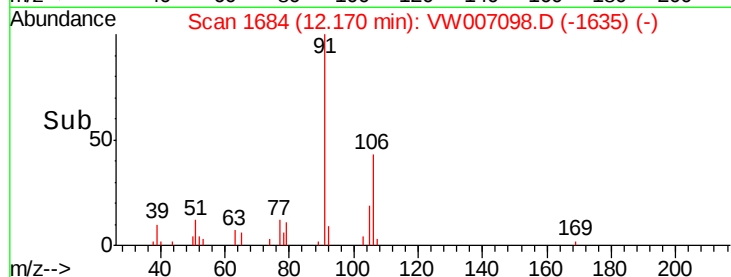
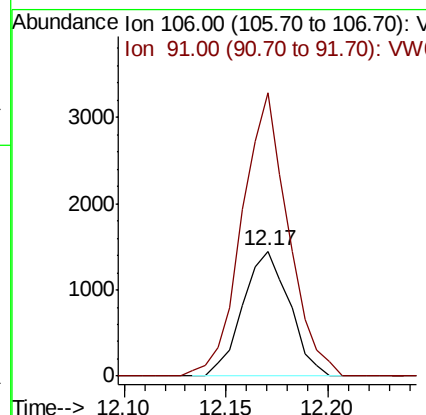
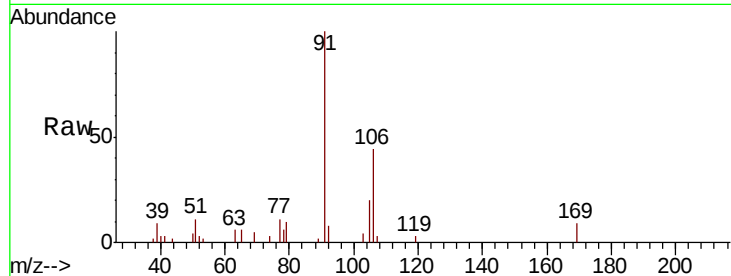




#69
o-Xylene
Concen: 1.195 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007098.D
Acq: 27 Nov 2018 19:43

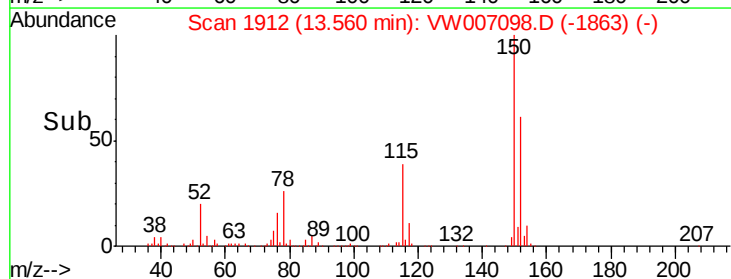
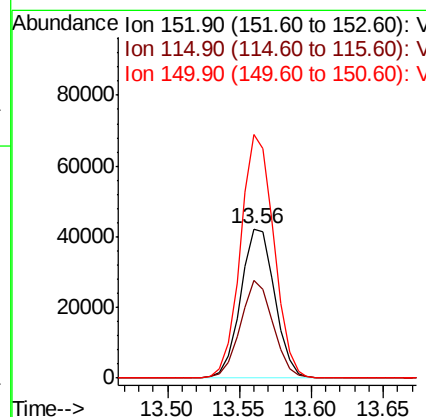
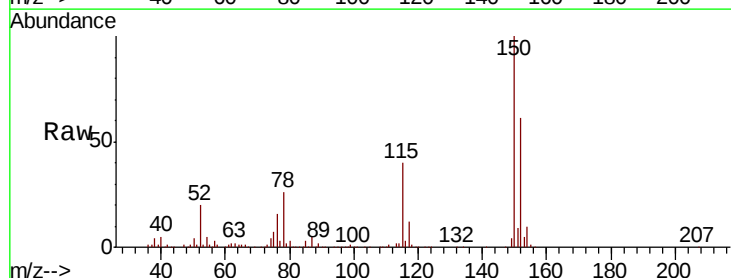
Instrument :
MSVOA_W
ClientSampled :
WC-1

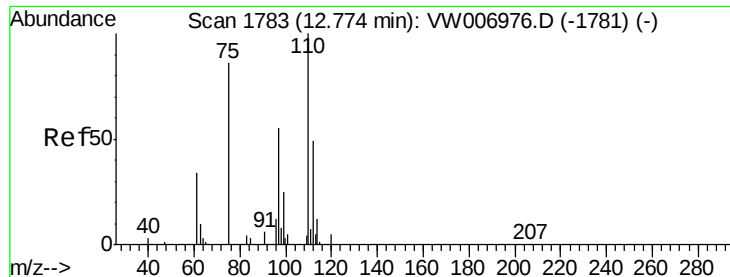
Tot Ion:106 Resp: 2304
Ion Ratio Lower Upper
106 100
91 224.9 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007098.D
Acq: 27 Nov 2018 19:43

Tgt Ion:152 Resp: 69236
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.2
150 159.7 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 60.436 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampled :

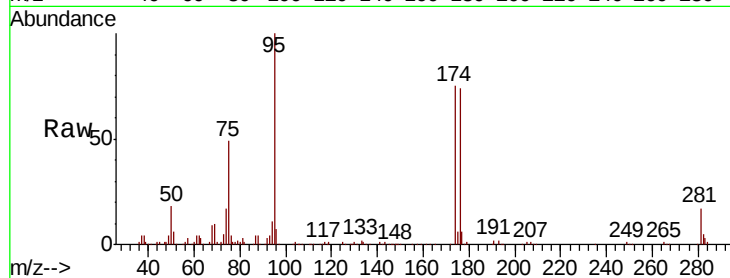
WC-1

Tot Ion: 75 Resp: 32880

Ion Ratio Lower Upper

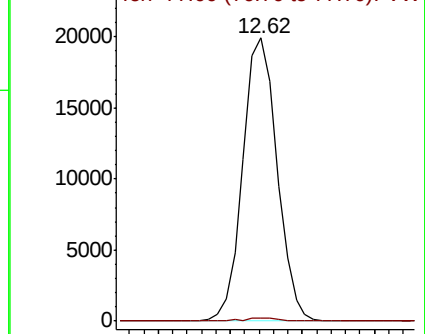
75 100

77 1.2 0.0 0.0#

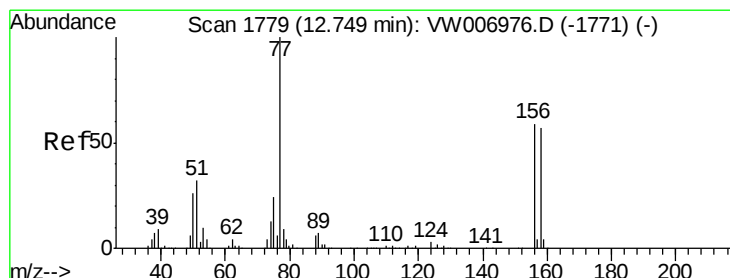
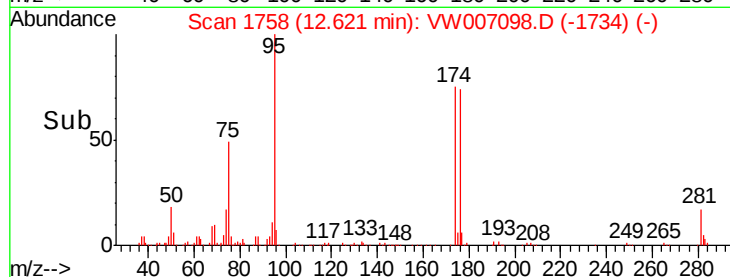


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#77

Bromobenzene

Concen: 1.621 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

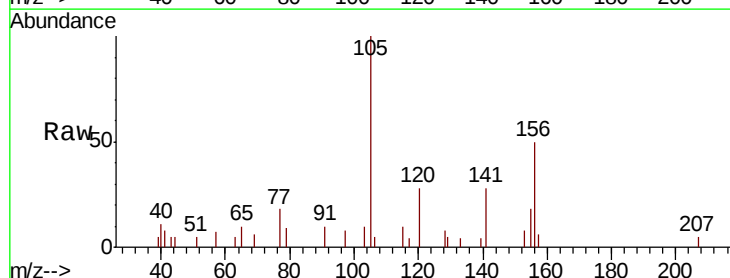
Tgt Ion: 156 Resp: 1873

Ion Ratio Lower Upper

156 100

77 0.0 94.6 283.8#

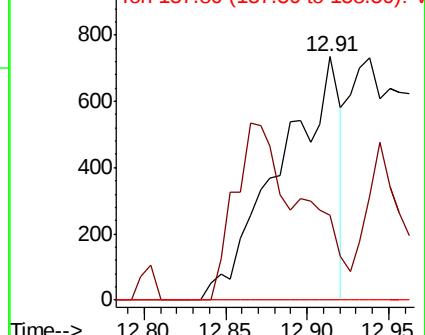
158 0.0 48.9 146.7#



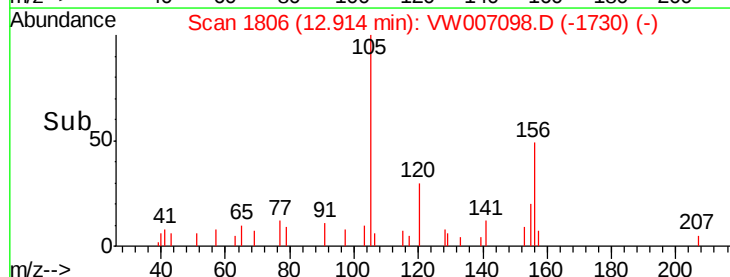
Abundance Ion 155.80 (155.50 to 156.50): V

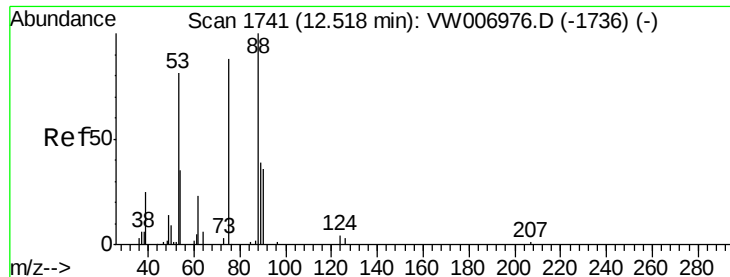
Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 151.729 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007098.D

Acq: 27 Nov 2018 19:43

Instrument :

MSVOA_W

ClientSampled :

WC-1

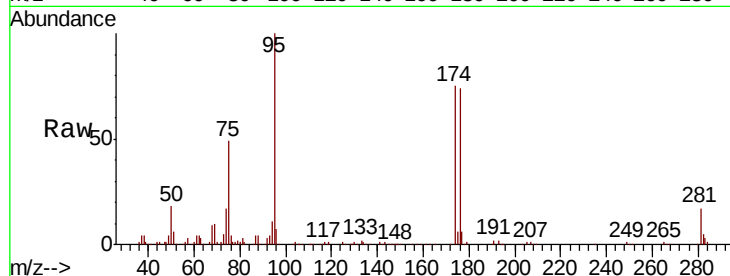
Tot Ion: 75 Resp: 32880

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

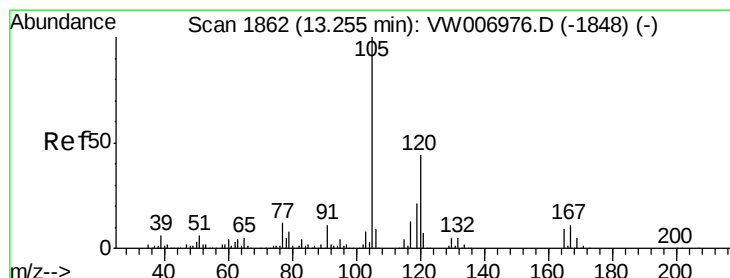
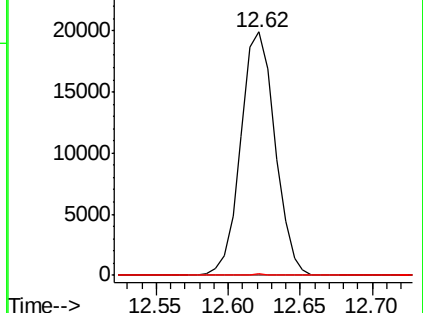
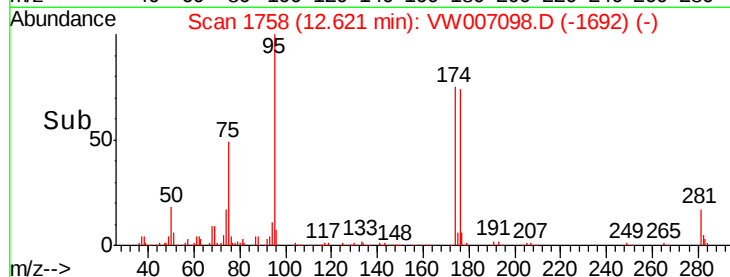
89 0.1 39.3 58.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.797 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007098.D

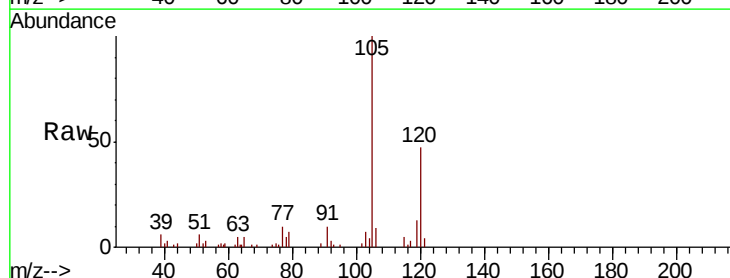
Acq: 27 Nov 2018 19:43

Tgt Ion: 105 Resp: 12965

Ion Ratio Lower Upper

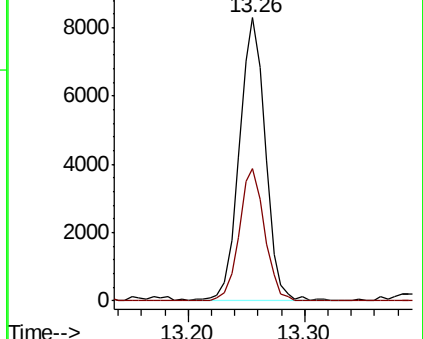
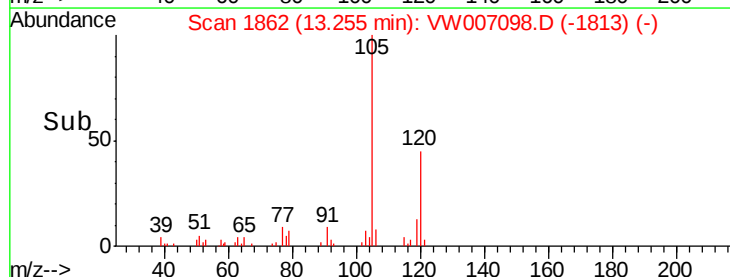
105 100

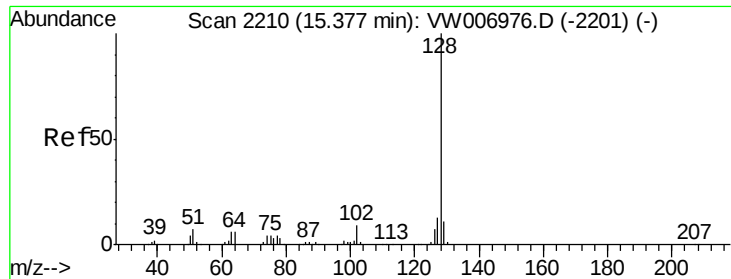
120 45.2 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 2.422 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007098.D
 Acq: 27 Nov 2018 19:43

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	12.0	8.7	13.1

