

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007805.D
 Acq On : 21 Dec 2018 19:49
 Operator : SY/AP
 Sample : J6392-05RE
 Misc : 6.55G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:50:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

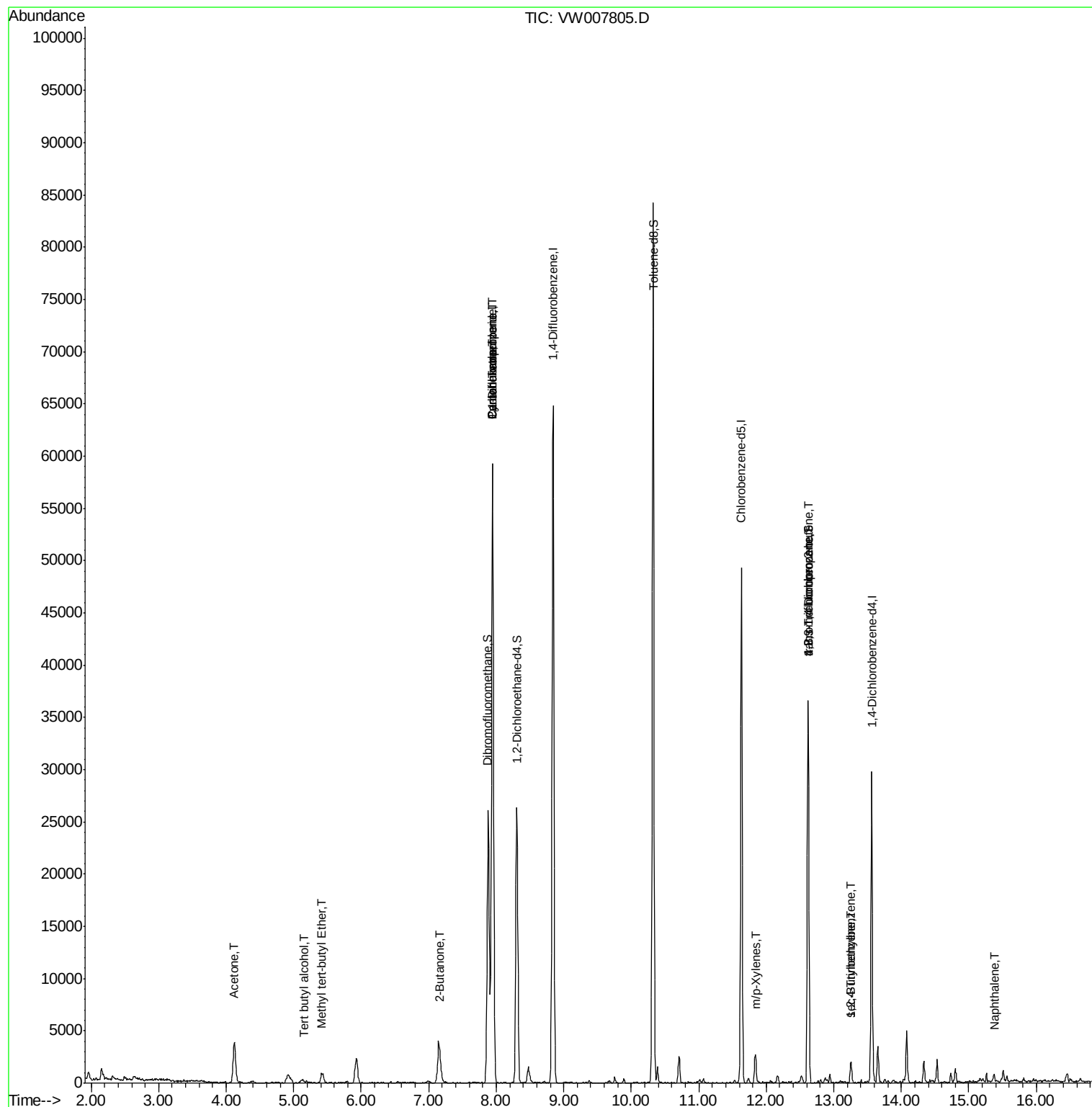
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	44076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	56576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	28660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	8111	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	21506	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
35) Dibromofluoromethane	7.88	113	19511	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
50) Toluene-d8	10.32	98	57065	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
62) 4-Bromofluorobenzene	12.62	95	12415	24.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.16	59	140	4.296	ug/l #	73
16) Acetone	4.12	43	7157	79.115	ug/l	99
19) Methyl tert-butyl Ether	5.41	73	941	1.507	ug/l	95
20) Methylene Chloride	4.90	84	532	Below Cal	#	60
25) 2-Butanone	7.17	43	1402	13.231	ug/l #	83
31) Cyclohexane	7.95	56	881	1.225	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3290	6.025	ug/l #	44
38) Carbon Tetrachloride	7.95	117	4493	6.987	ug/l #	15
68) m/p-Xylenes	11.84	106	930	2.252	ug/l	85
76) 1,2,3-Trichloropropane	12.62	75	6319	100.797	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6319	211.580	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	1617	3.030	ug/l	97
85) sec-Butylbenzene	13.26	105	1617	2.529	ug/l #	56
95) Naphthalene	15.37	128	1125	3.510	ug/l #	83

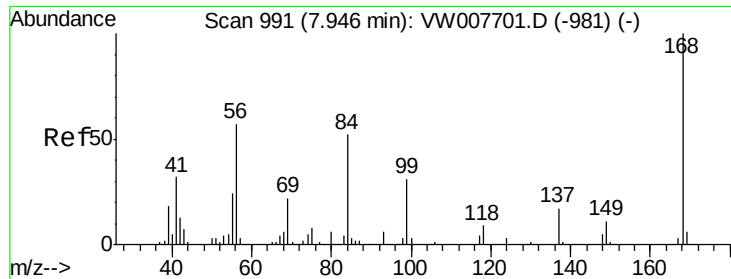
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 20 06:30:23 2018
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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: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

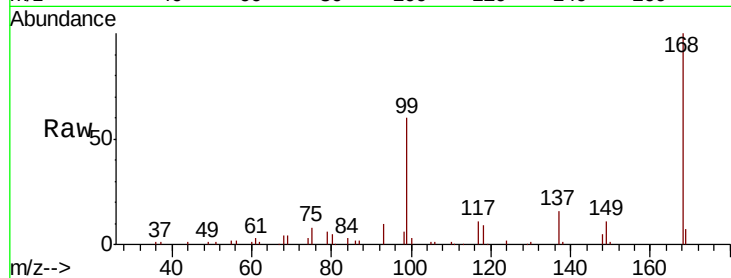
ClientSampled :

Tot Ion:168 Resp: 44076

Ion Ratio Lower Upper

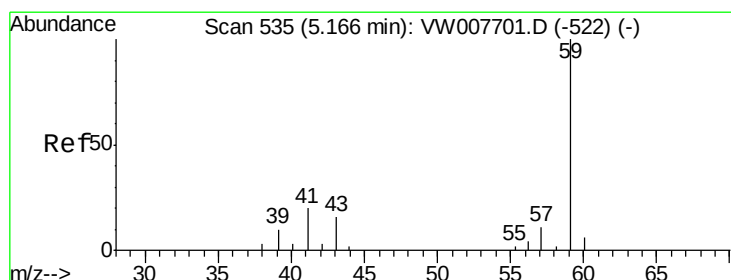
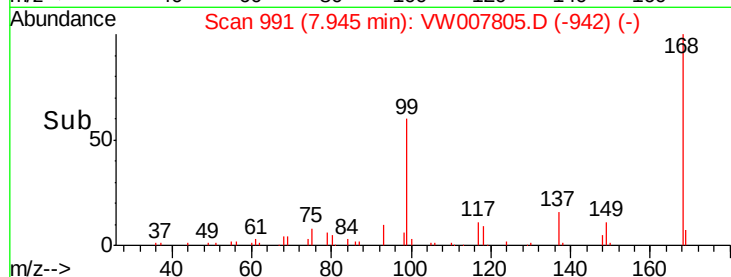
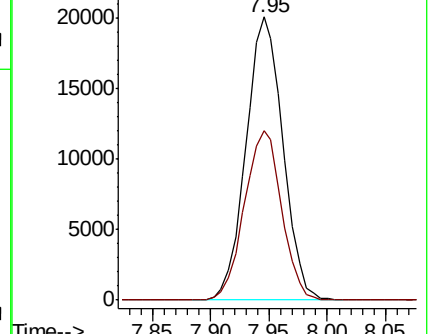
168 100

99 60.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.296 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007805.D

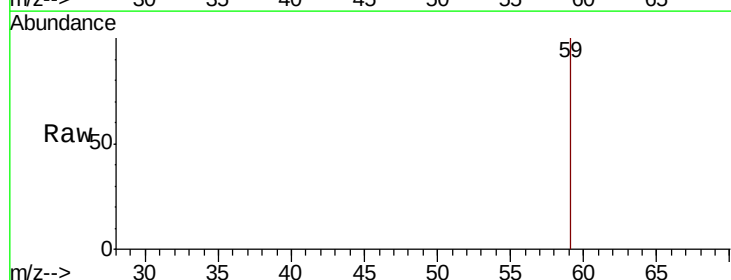
Acq: 21 Dec 2018 19:49

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

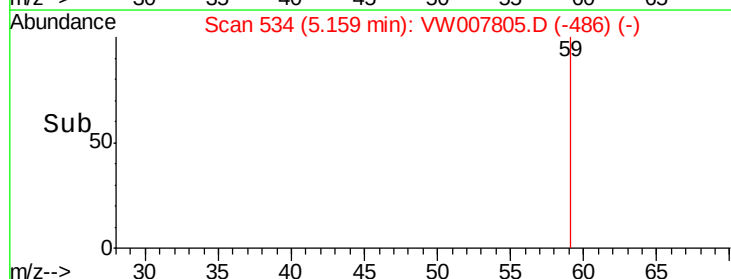
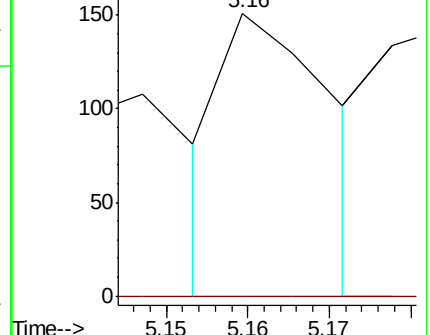
59 100

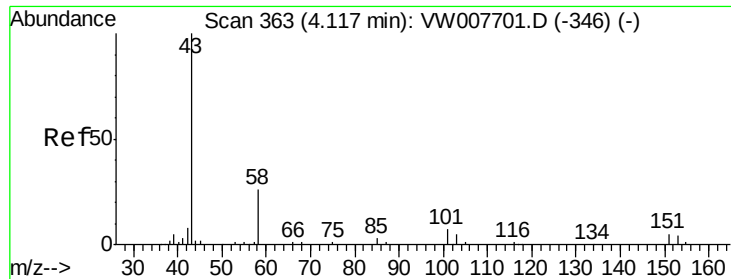
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 79.115 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

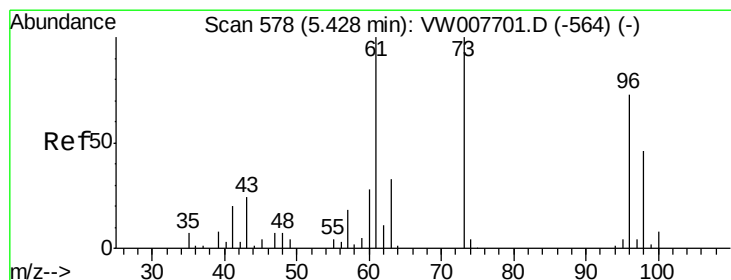
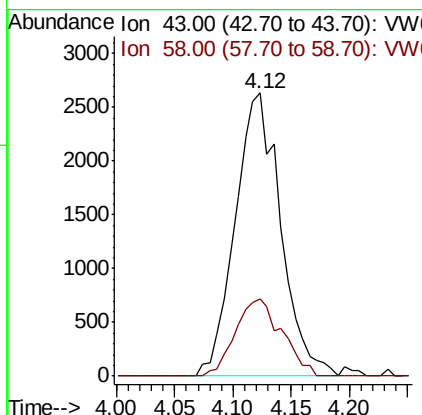
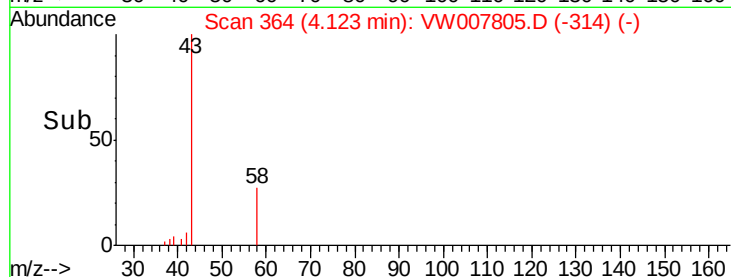
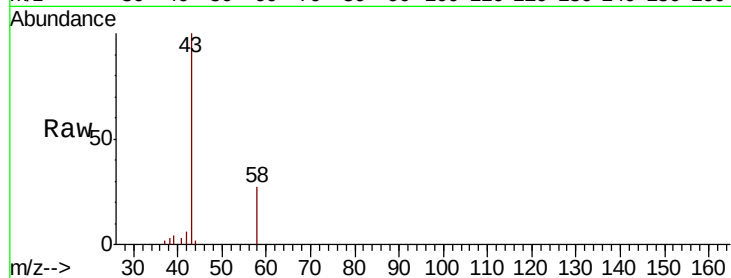
ClientSampled :

Tot Ion: 43 Resp: 7157

Ion Ratio Lower Upper

43 100

58 27.2 21.2 31.8



#19

Methyl tert-butyl Ether

Concen: 1.507 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.02 min

Lab File: VW007805.D

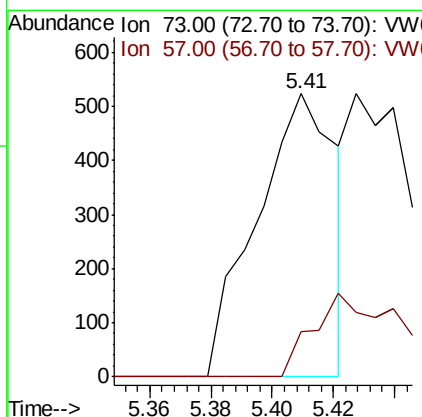
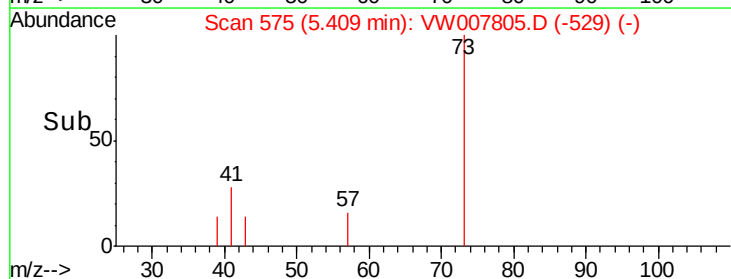
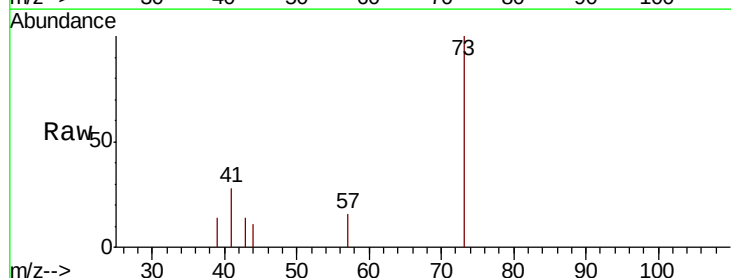
Acq: 21 Dec 2018 19:49

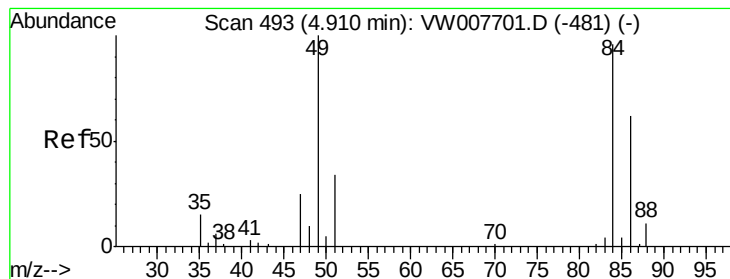
Tgt Ion: 73 Resp: 941

Ion Ratio Lower Upper

73 100

57 16.1 14.7 22.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 532

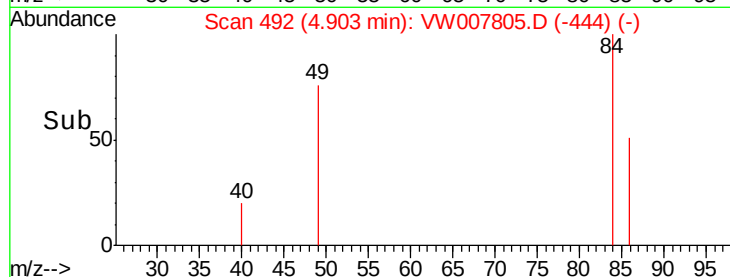
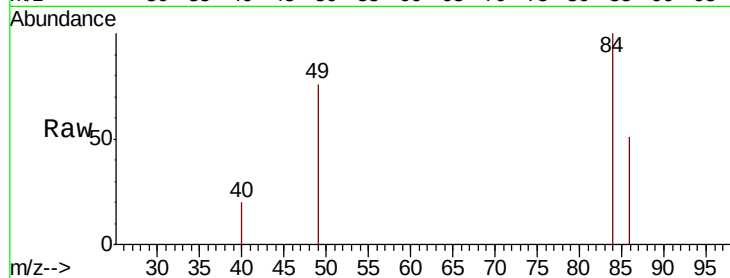
Ion Ratio Lower Upper

84 100

49 57.5 83.7 125.5#

51 0.0 28.2 42.2#

86 50.5 52.2 78.2#

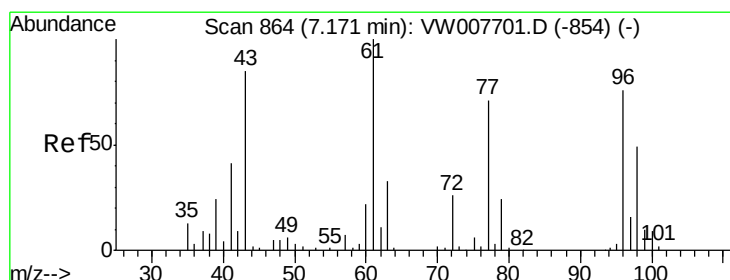
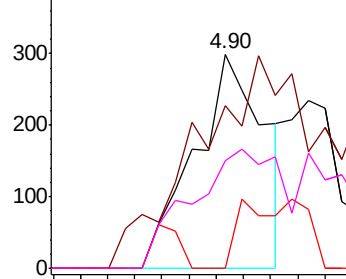


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 13.231 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007805.D

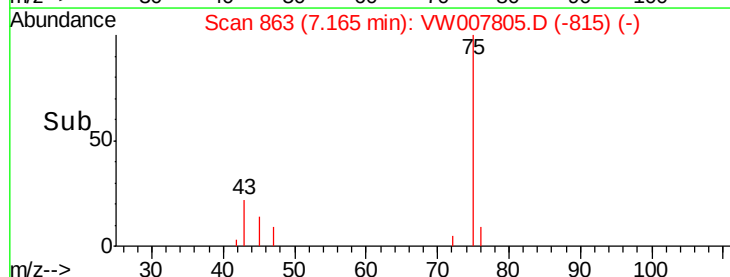
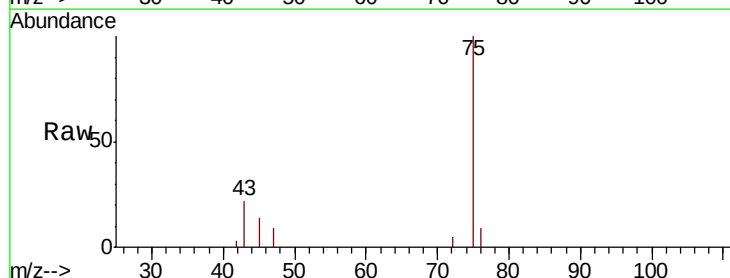
Acq: 21 Dec 2018 19:49

Tgt Ion: 43 Resp: 1402

Ion Ratio Lower Upper

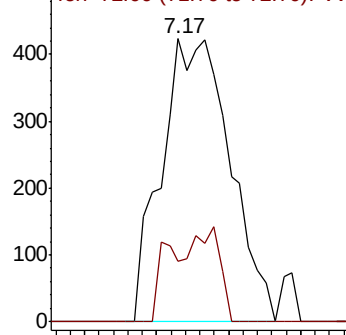
43 100

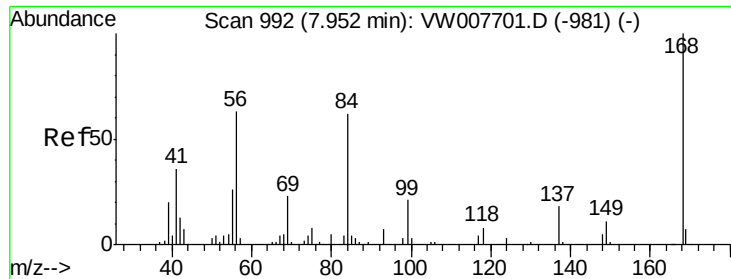
72 21.3 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

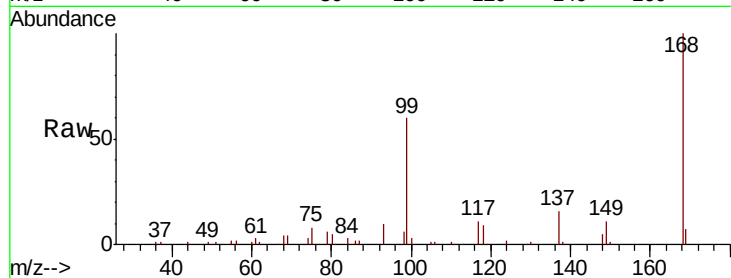




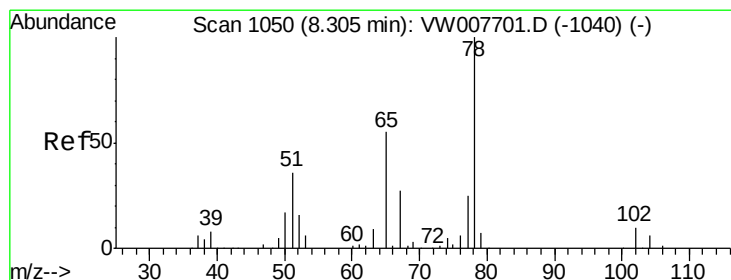
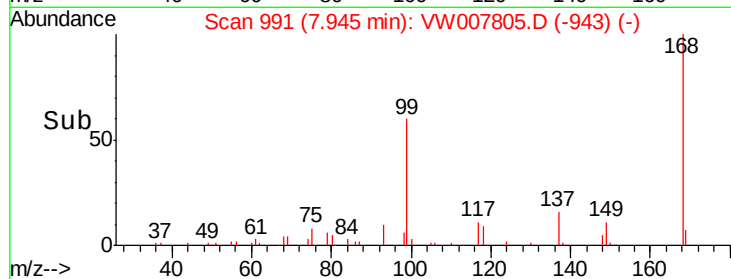
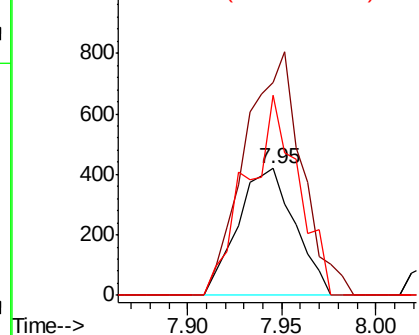
#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007805.D
Acq: 21 Dec 2018 19:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 881
Ion Ratio Lower Upper
56 100
69 168.5 29.7 44.5#
84 158.0 78.9 118.3#

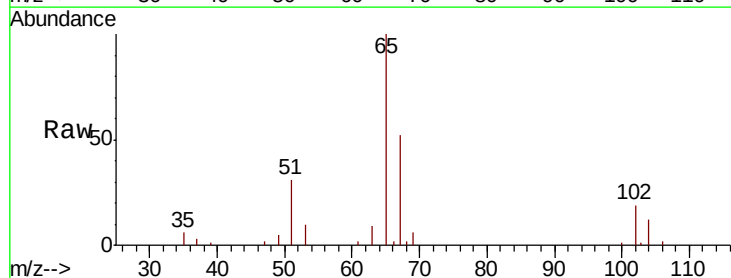


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

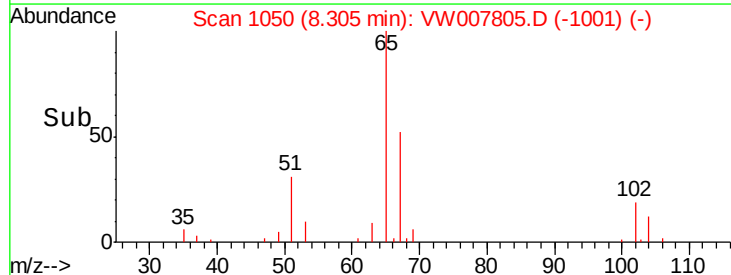
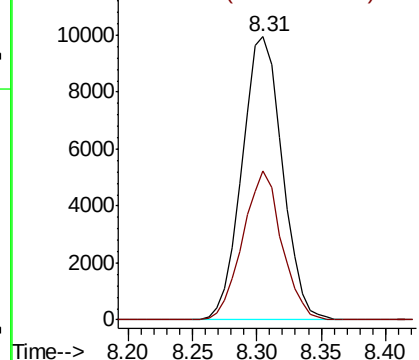


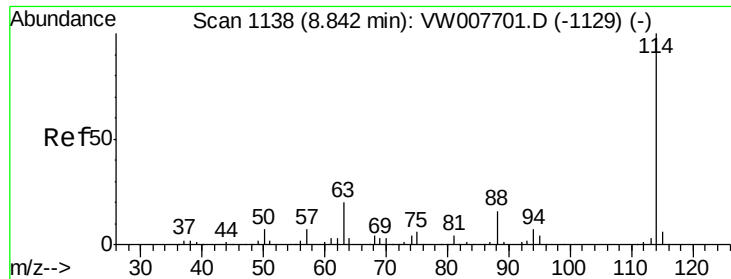
#33
1,2-Dichloroethane-d4
Concen: 44.517 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007805.D
Acq: 21 Dec 2018 19:49

Tgt Ion: 65 Resp: 21506
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.6



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

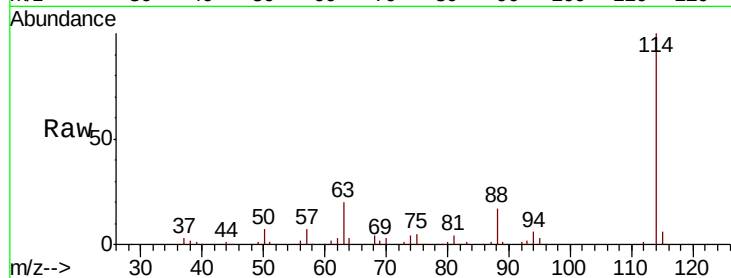




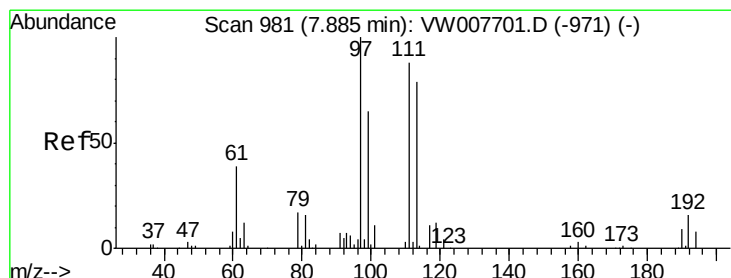
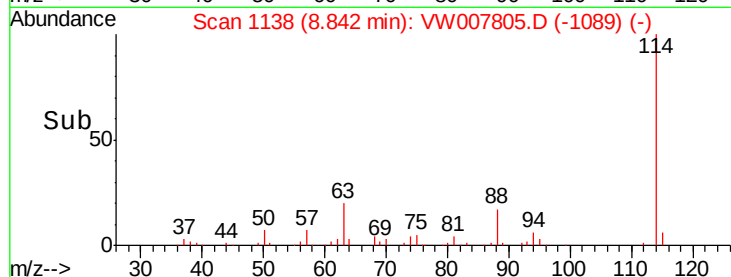
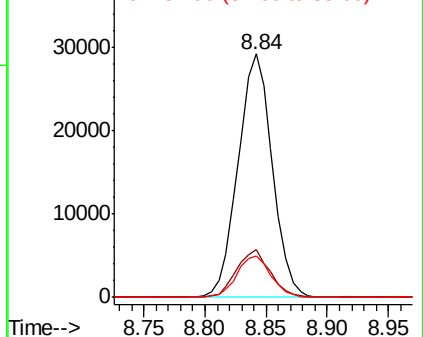
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007805.D
 Acq: 21 Dec 2018 19:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 56576
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 16.8 0.0 32.6

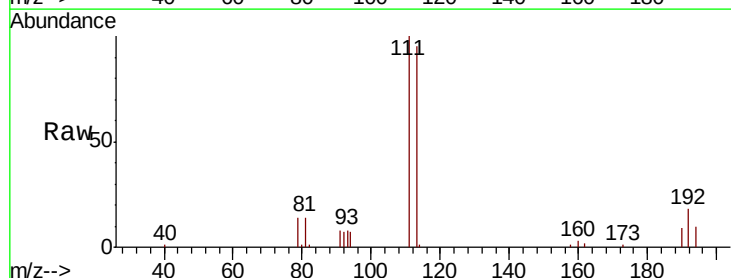


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

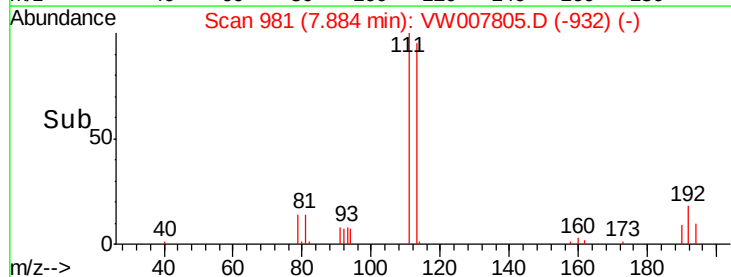
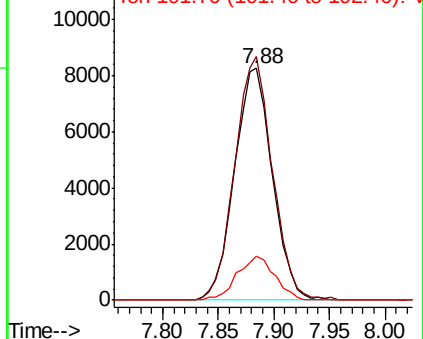


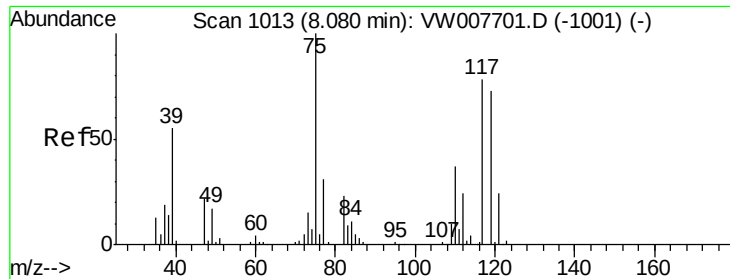
#35
 Dibromofluoromethane
 Concen: 56.530 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007805.D
 Acq: 21 Dec 2018 19:49

Tgt Ion:113 Resp: 19511
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.6 124.0
 192 18.6 15.5 23.3



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

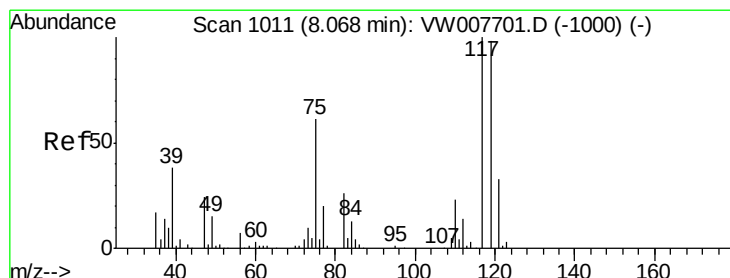
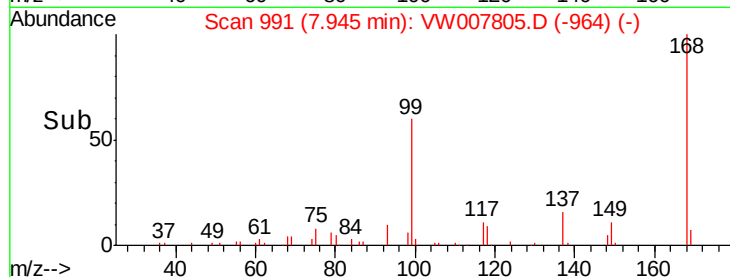
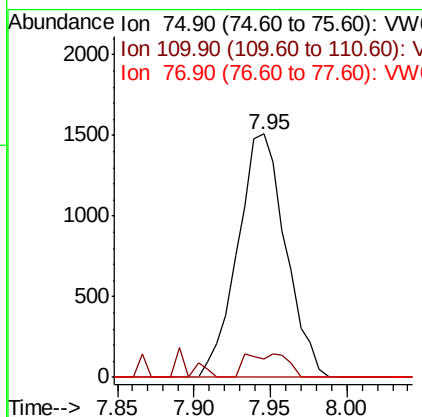
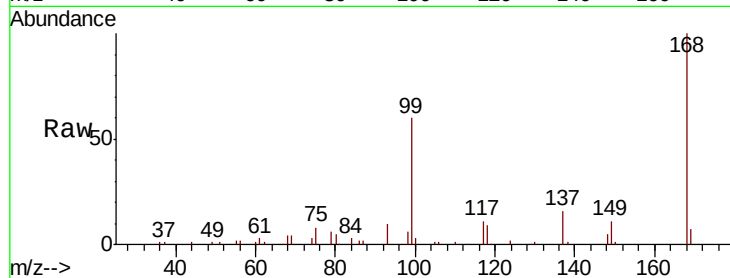




#36
 1,1-Dichloropropene
 Concen: 6.025 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007805.D
 Acq: 21 Dec 2018 19:49

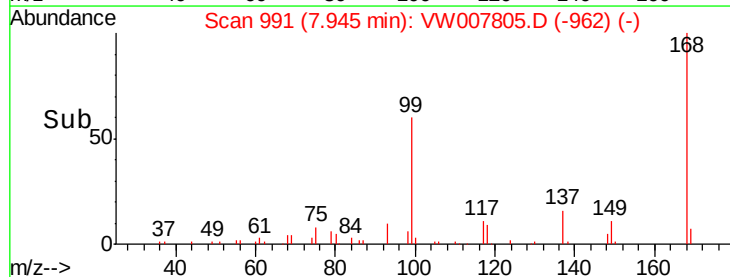
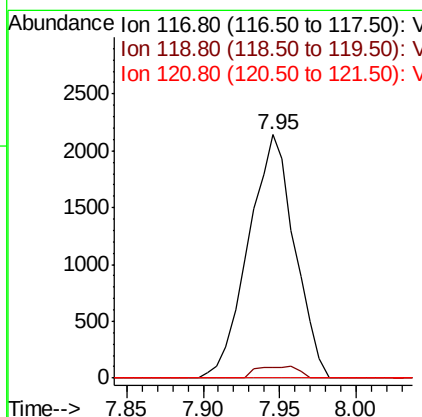
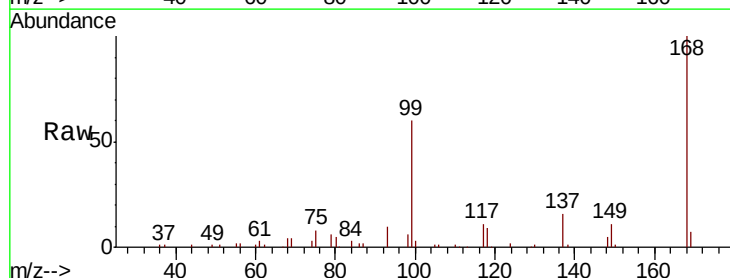
Instrument :
 MSVOA_W
 ClientSampleId :

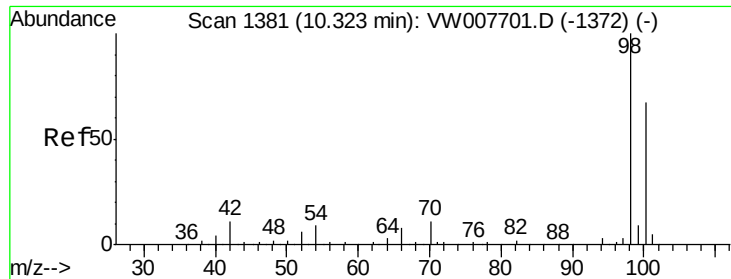
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.3	18.6	55.8#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.987 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007805.D
 Acq: 21 Dec 2018 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.2	117.2#
121	0.0	26.1	39.1#





#50

Toluene-d8

Concen: 43.858 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

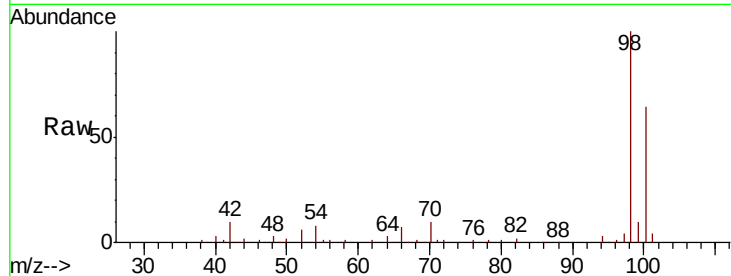
ClientSampleId :

Tot Ion: 98 Resp: 57065

Ion Ratio Lower Upper

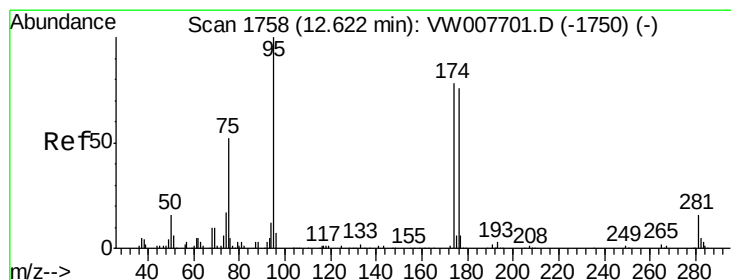
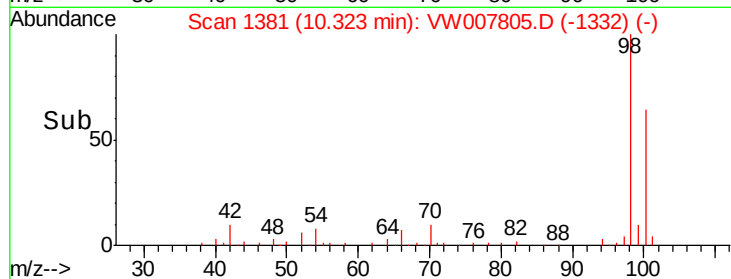
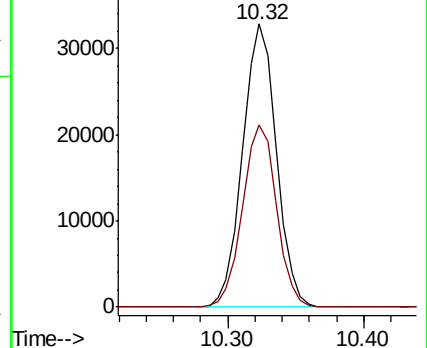
98 100

100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 24.699 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007805.D

Acq: 21 Dec 2018 19:49

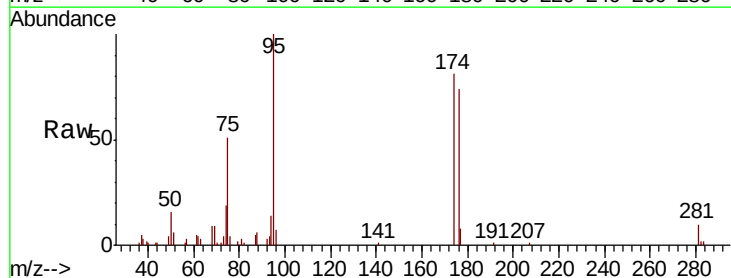
Tgt Ion: 95 Resp: 12415

Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.2

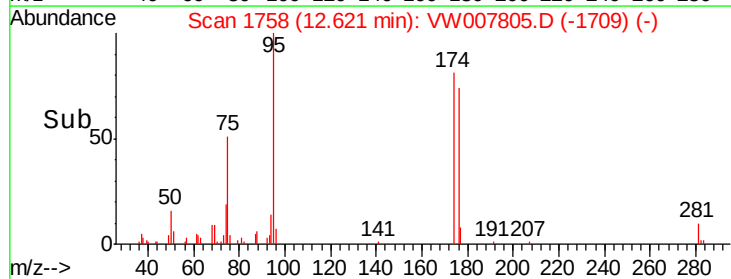
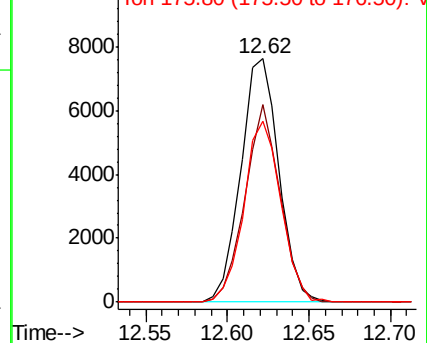
176 72.6 0.0 146.8

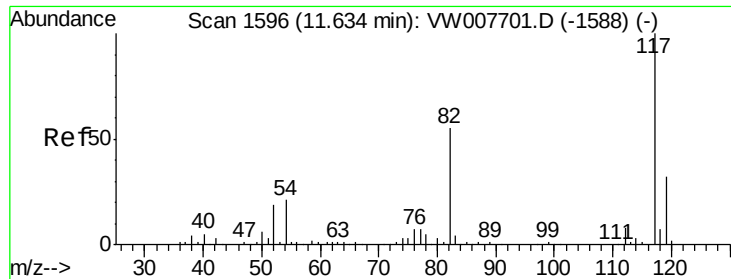


Abundance Ion 94.90 (94.60 to 95.60): VW

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: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

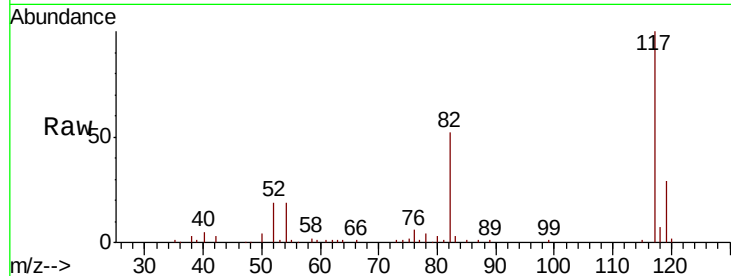
Tot Ion:117 Resp: 28660

Ion Ratio Lower Upper

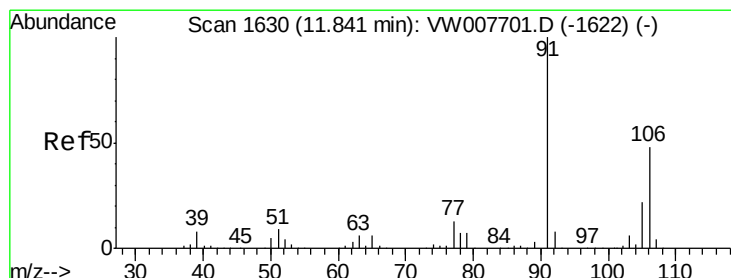
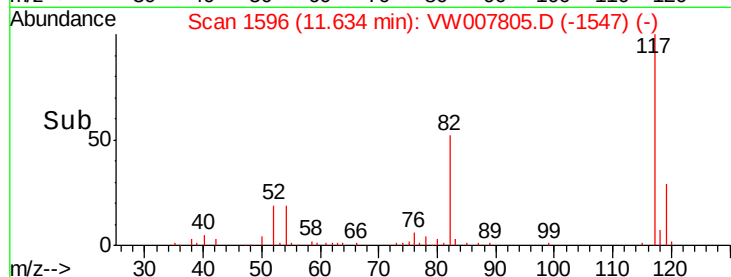
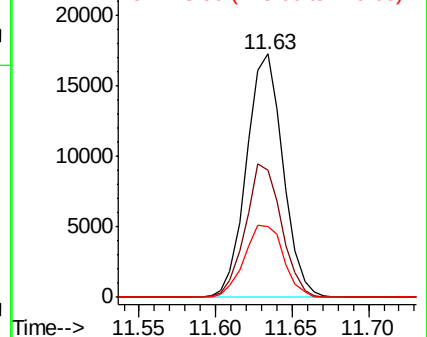
117 100

82 52.4 44.3 66.5

119 29.3 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 2.252 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007805.D

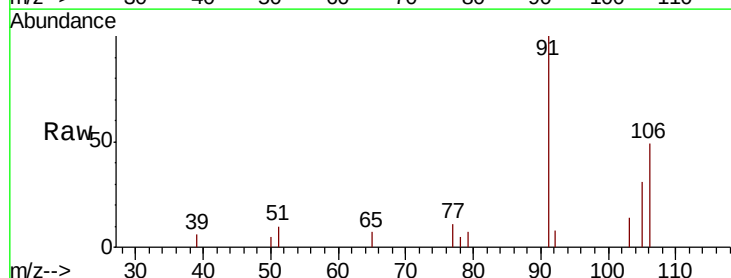
Acq: 21 Dec 2018 19:49

Tgt Ion:106 Resp: 930

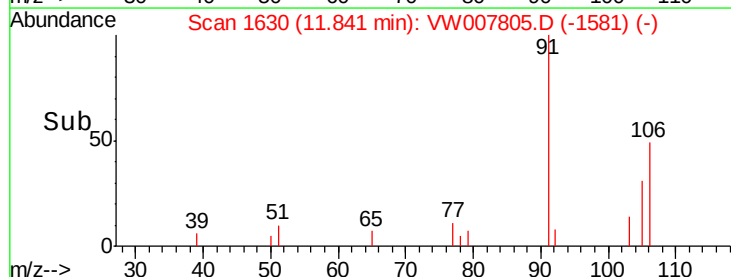
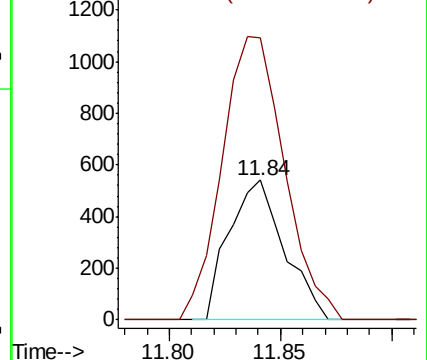
Ion Ratio Lower Upper

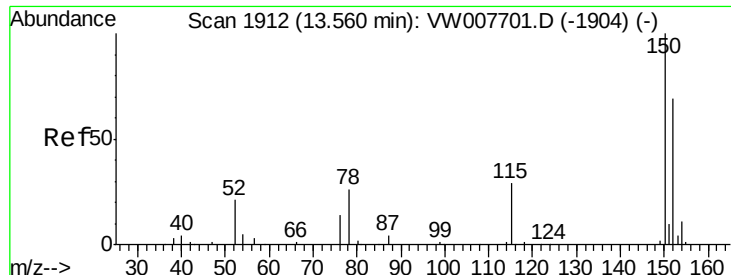
106 100

91 230.0 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

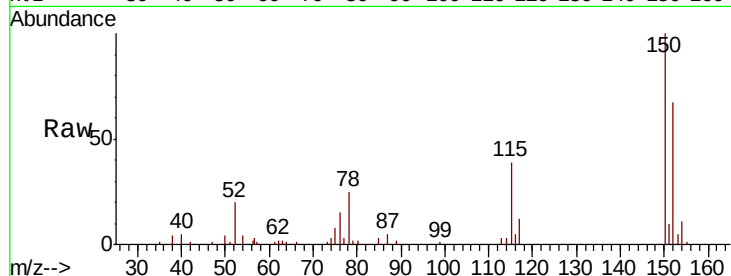
Tot Ion:152 Resp: 8111

Ion Ratio Lower Upper

152 100

115 61.6 31.8 95.4

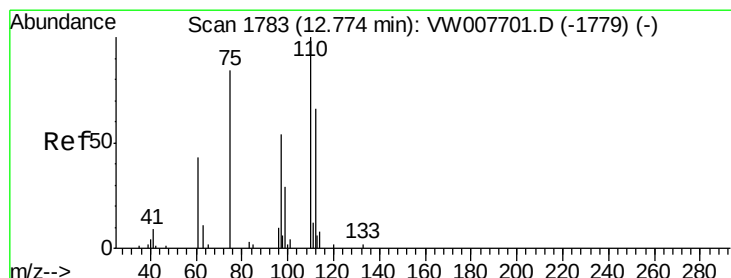
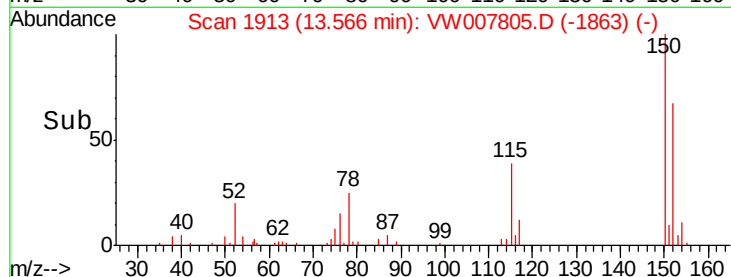
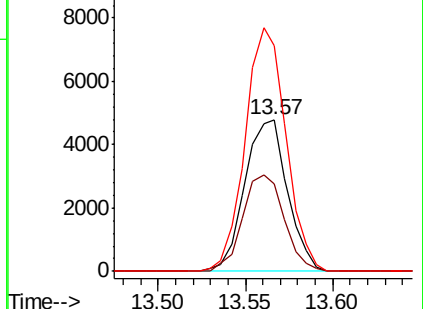
150 153.3 0.0 350.8



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: 100.797 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007805.D

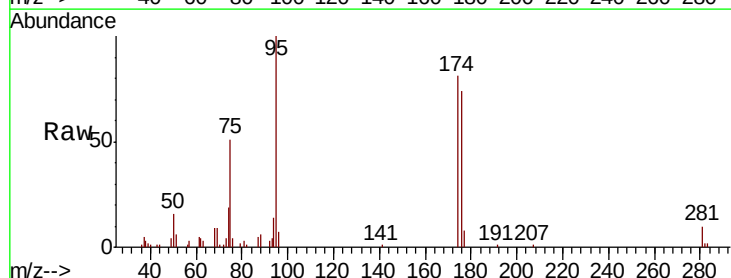
Acq: 21 Dec 2018 19:49

Tgt Ion: 75 Resp: 6319

Ion Ratio Lower Upper

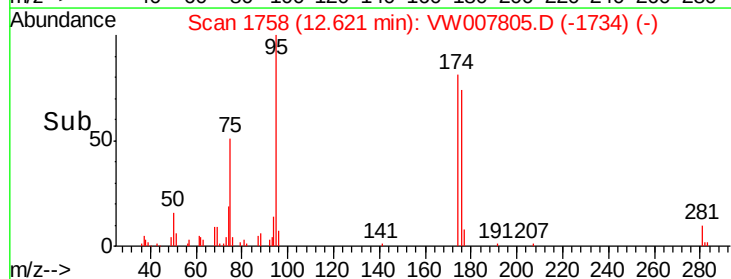
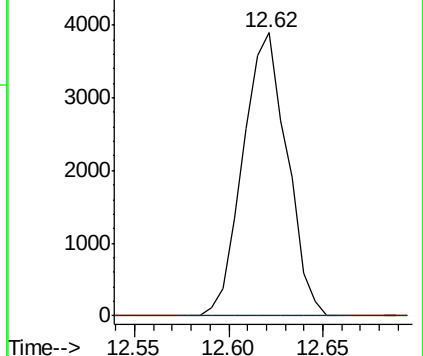
75 100

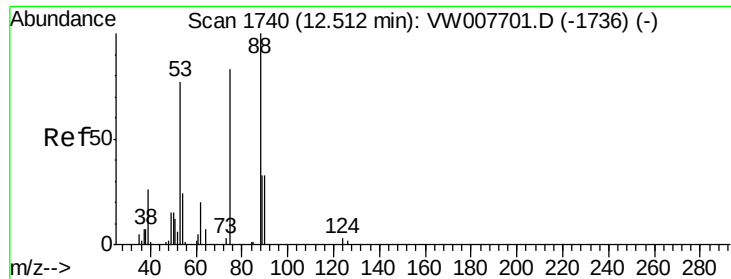
77 0.0 0.0 0.0



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: 211.580 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007805.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

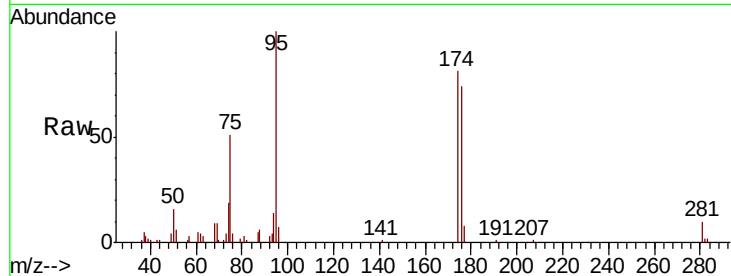
Tot Ion: 75 Resp: 6319

Ion Ratio Lower Upper

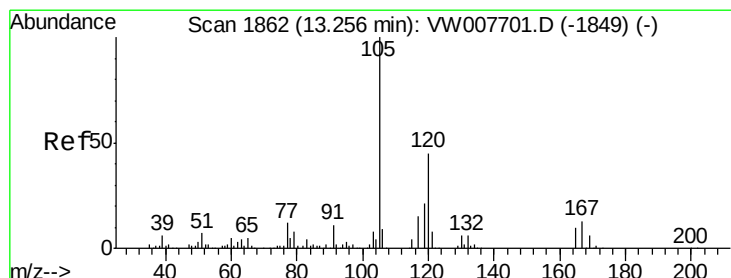
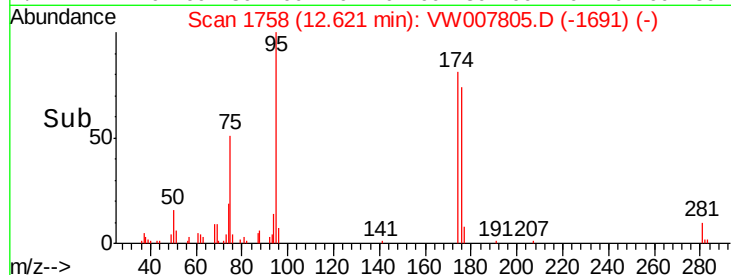
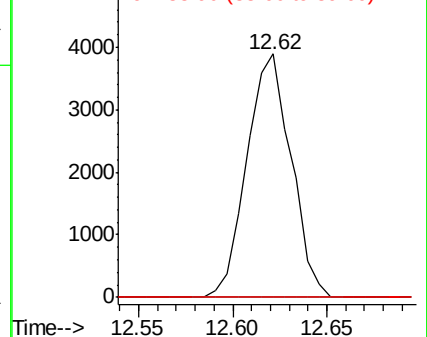
75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



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: 3.030 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007805.D

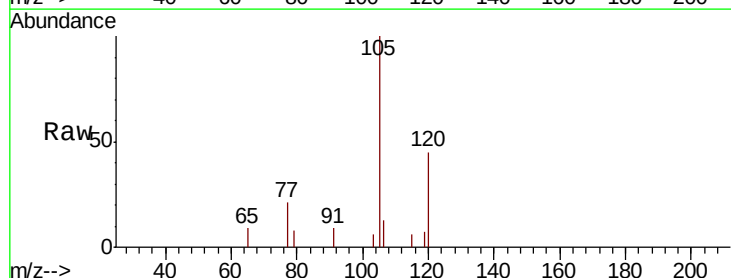
Acq: 21 Dec 2018 19:49

Tgt Ion: 105 Resp: 1617

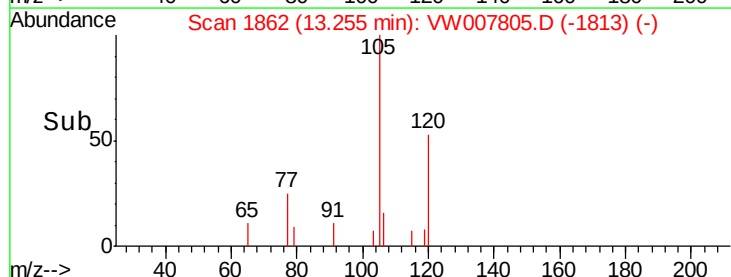
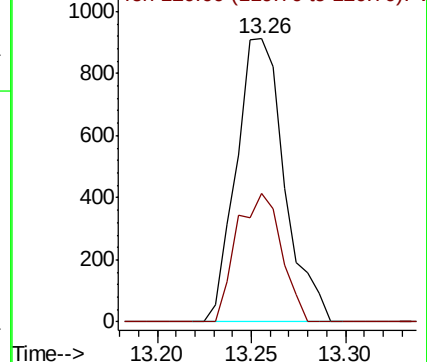
Ion Ratio Lower Upper

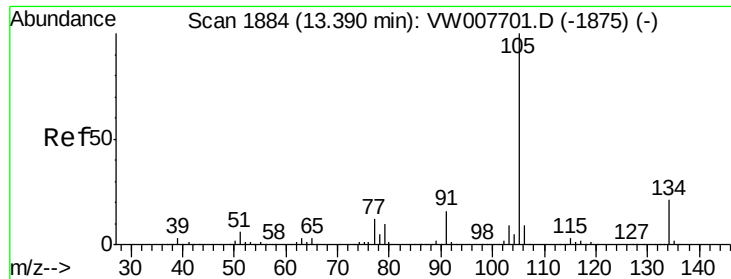
105 100

120 42.1 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

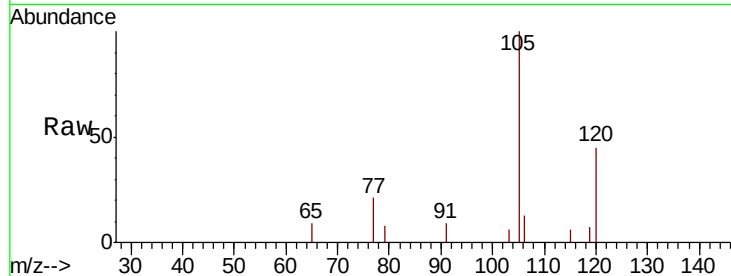




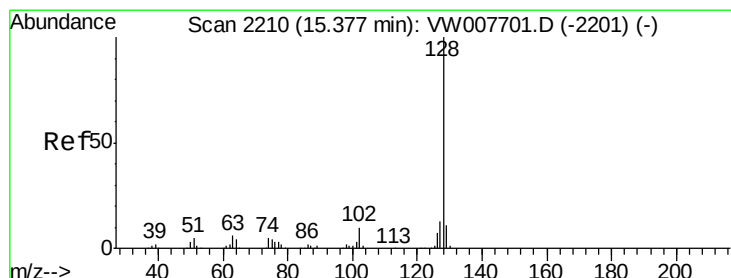
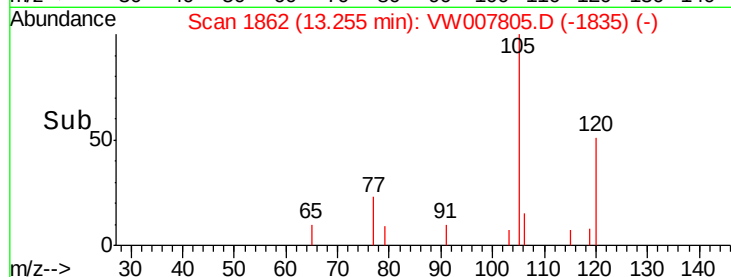
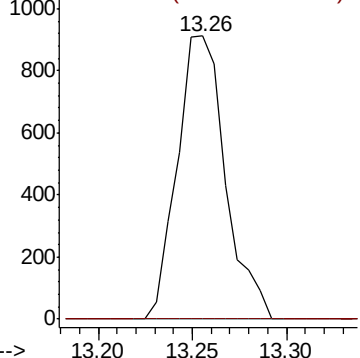
#85
 sec-Butylbenzene
 Concen: 2.529 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007805.D
 Acq: 21 Dec 2018 19:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:105 Resp: 1617
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

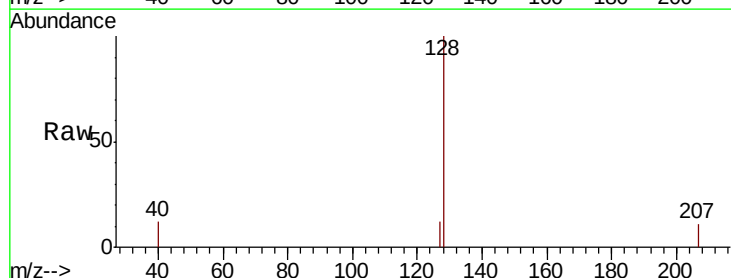


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



#95
 Naphthalene
 Concen: 3.510 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007805.D
 Acq: 21 Dec 2018 19:49

Tgt Ion:128 Resp: 1125
 Ion Ratio Lower Upper
 128 100
 127 7.6 10.7 16.1#
 129 3.2 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

