

Data File : VW008814.D
Acq On : 25 Feb 2019 18:31
Operator : SY/VA
Sample : K1610-01RE
Misc : 6.82G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WV-A

Quant Time: Feb 26 03:44:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	342291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	526226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	456571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	210629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	186402	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	
35) Dibromofluoromethane	7.88	113	166316	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.32	98	618770	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	213747	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

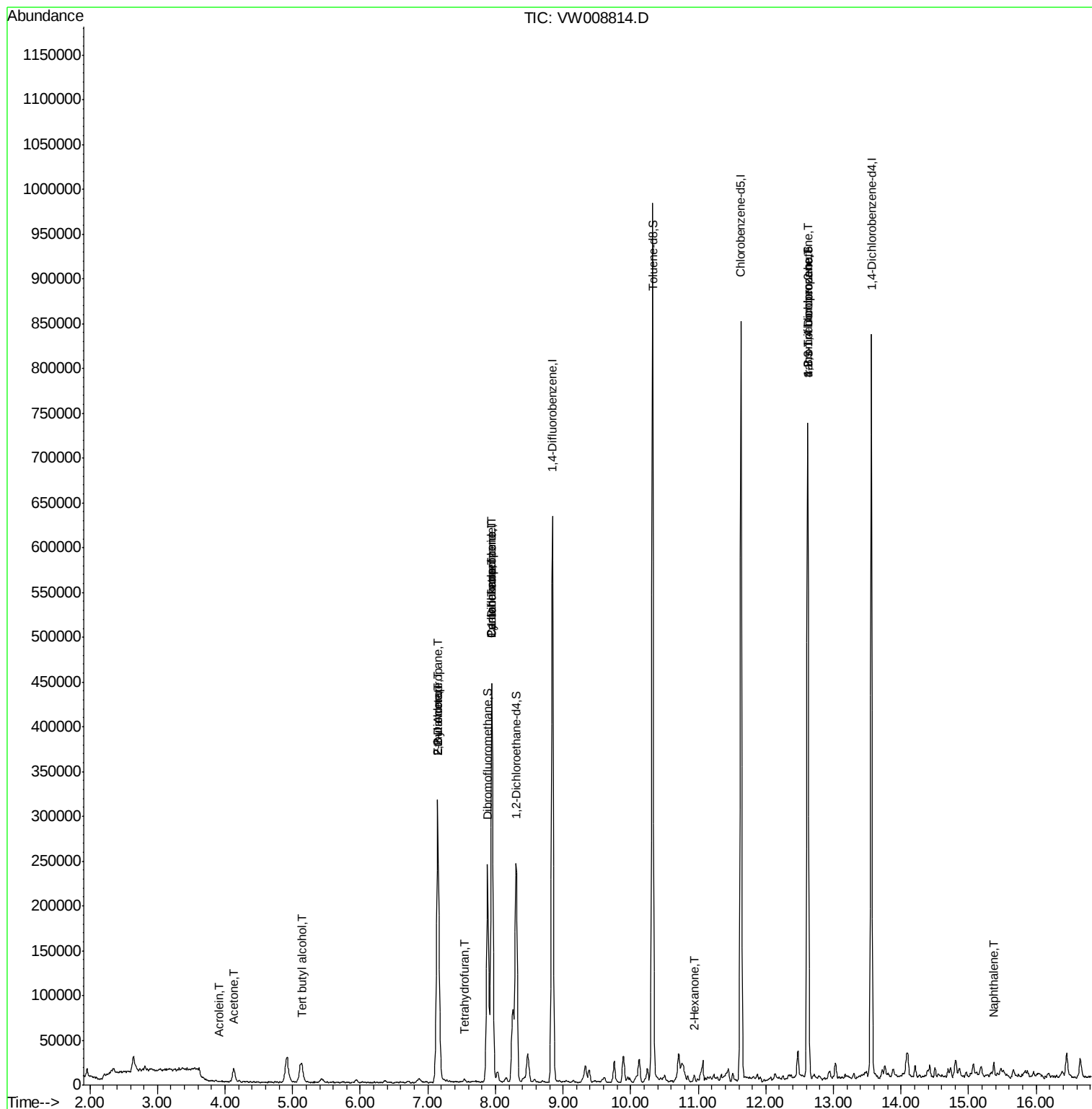
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.14	59	20772	72.678	ug/l #	73
13) Acrolein	3.91	56	64	19.975	ug/l #	1
16) Acetone	4.13	43	27482	36.931	ug/l	92
25) 2-Butanone	7.15	43	17236	16.567	ug/l #	71
26) 2,2-Dichloropropane	7.15	77	20085	3.700	ug/l #	54
29) Tetrahydrofuran	7.53	42	2702	4.075	ug/l	94
31) Cyclohexane	7.95	56	8337	1.377	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	25112	4.902	ug/l #	50
37) Ethyl Acetate	7.15	43	17268	7.249	ug/l #	5
38) Carbon Tetrachloride	7.95	117	33217	6.149	ug/l #	16
59) 2-Hexanone	10.93	43	2992	1.741	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	110207	63.373	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	110207	154.064	ug/l #	6
95) Naphthalene	15.37	128	10718	1.385	ug/l #	90

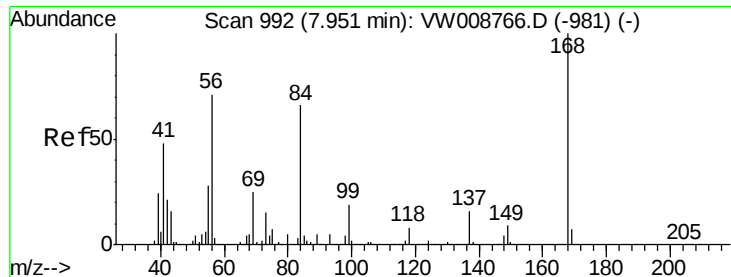
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

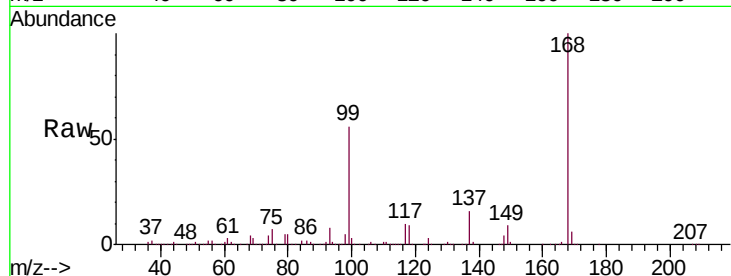
WV-A

Tgt Ion:168 Resp: 342291

Ion Ratio Lower Upper

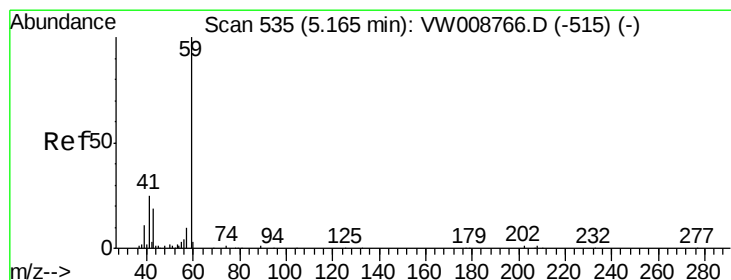
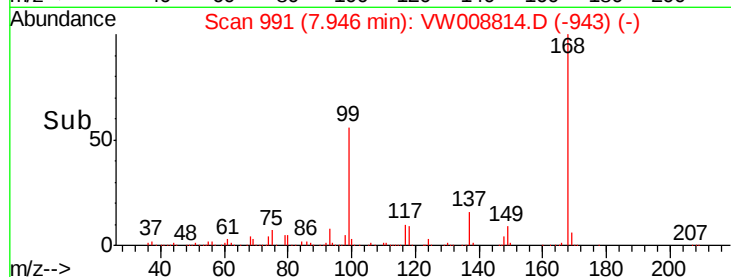
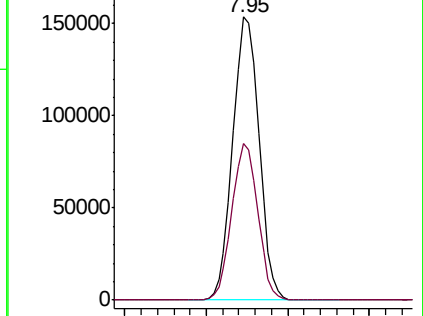
168 100

99 55.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 72.678 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008814.D

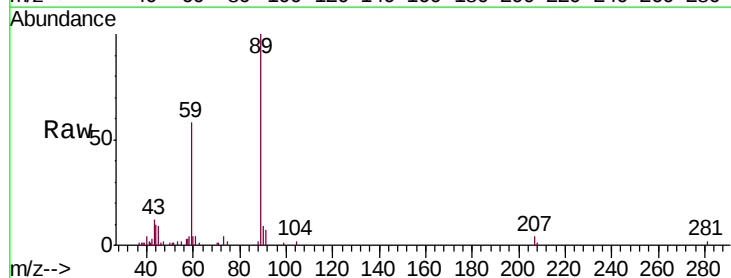
Acq: 25 Feb 2019 18:31

Tgt Ion: 59 Resp: 20772

Ion Ratio Lower Upper

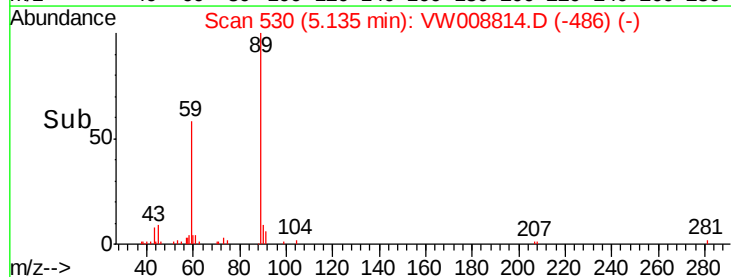
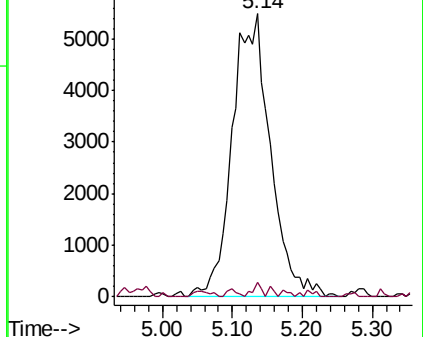
59 100

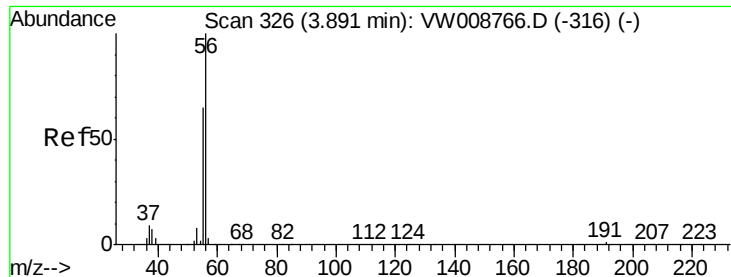
57 1.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 19.975 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampled :

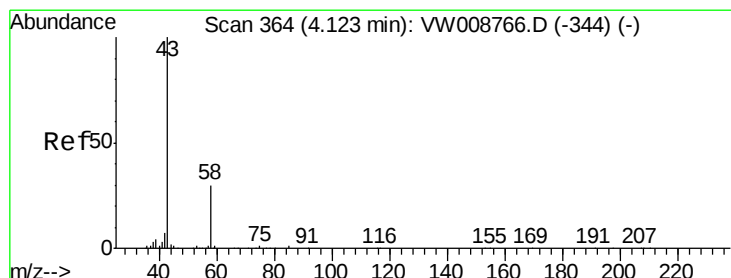
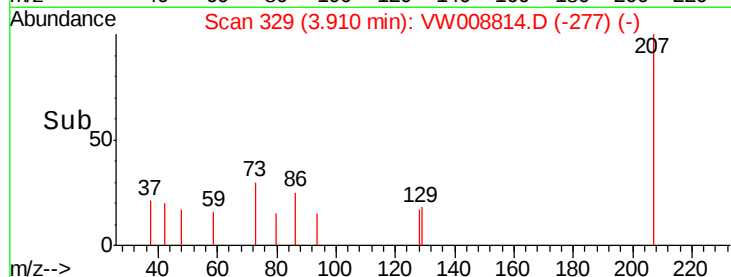
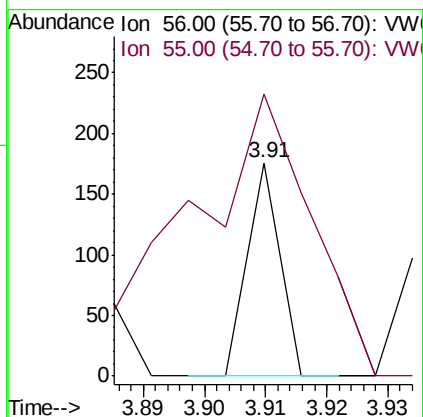
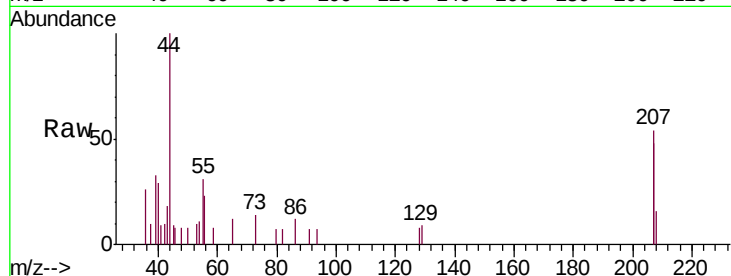
WV-A

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 512.5 56.9 85.3#



#16

Acetone

Concen: 36.931 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008814.D

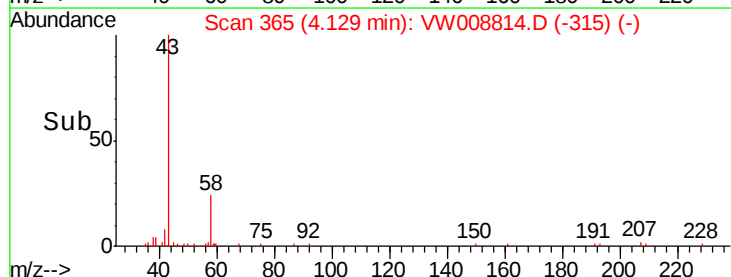
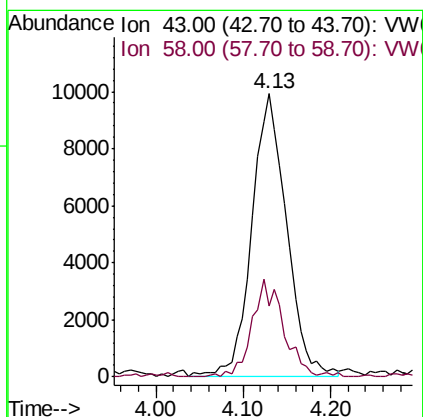
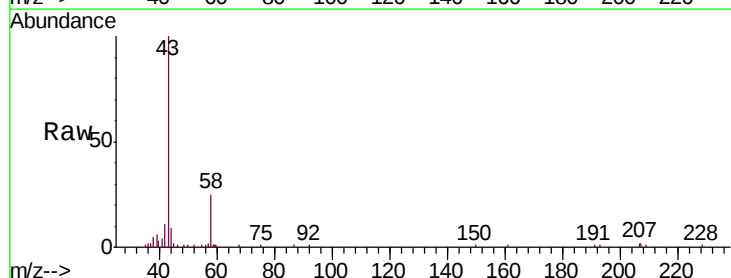
Acq: 25 Feb 2019 18:31

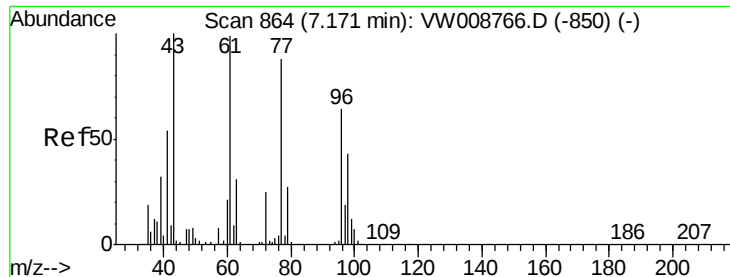
Tgt Ion: 43 Resp: 27482

Ion Ratio Lower Upper

43 100

58 25.1 23.8 35.6

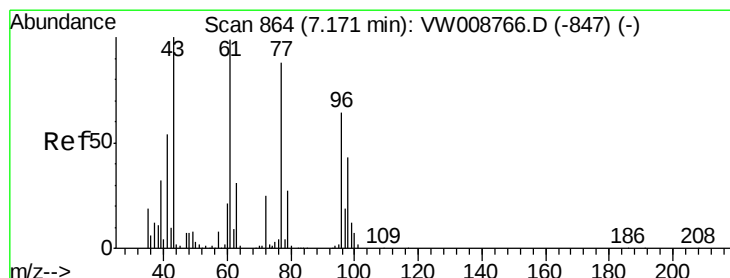
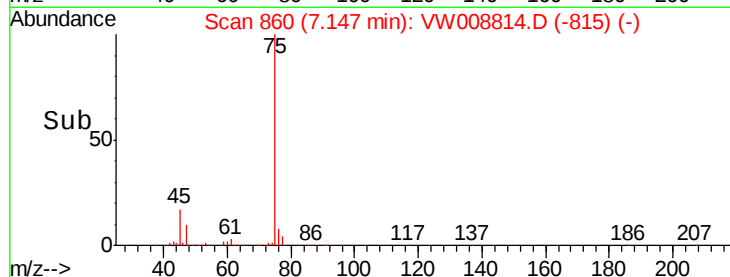
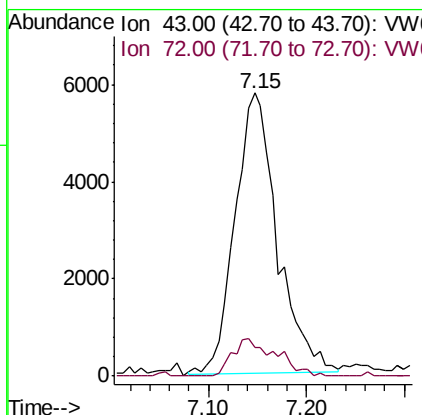
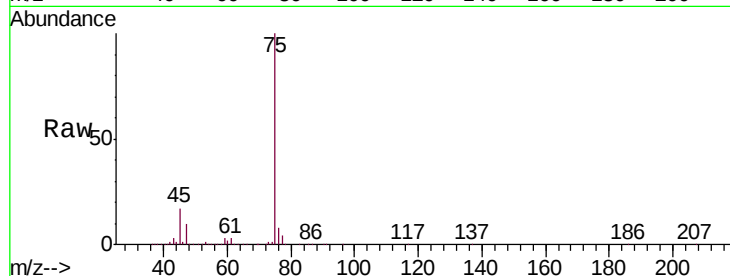




#25
2-Butanone
Concen: 16.567 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008814.D
Acq: 25 Feb 2019 18:31

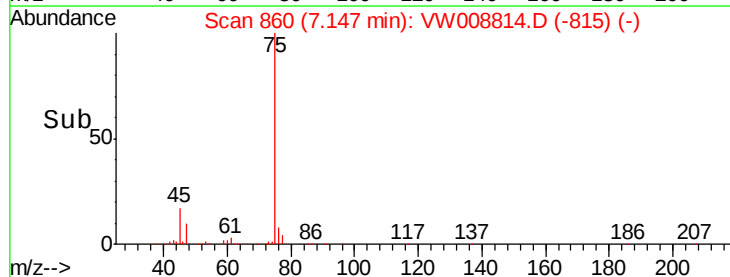
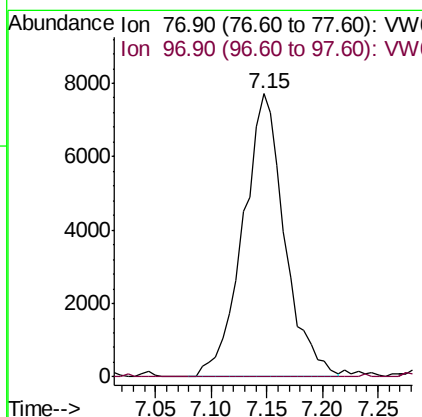
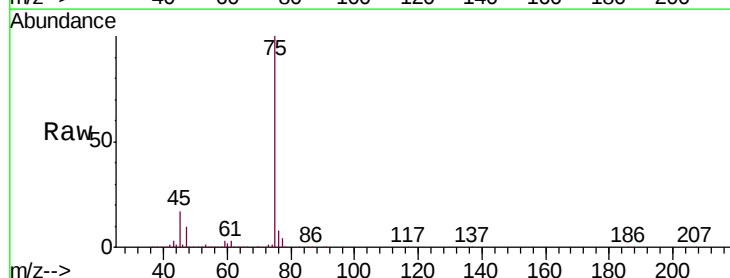
Instrument :
MSVOA_W
ClientSampleId :
WV-A

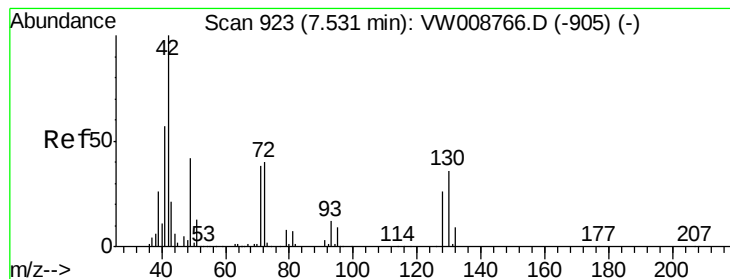
Tgt Ion: 43 Resp: 17236
Ion Ratio Lower Upper
43 100
72 10.3 19.7 29.5#



#26
2,2-Dichloropropane
Concen: 3.700 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008814.D
Acq: 25 Feb 2019 18:31

Tgt Ion: 77 Resp: 20085
Ion Ratio Lower Upper
77 100
97 0.0 11.0 33.0#





#29

Tetrahydrofuran

Concen: 4.075 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampled :

WV-A

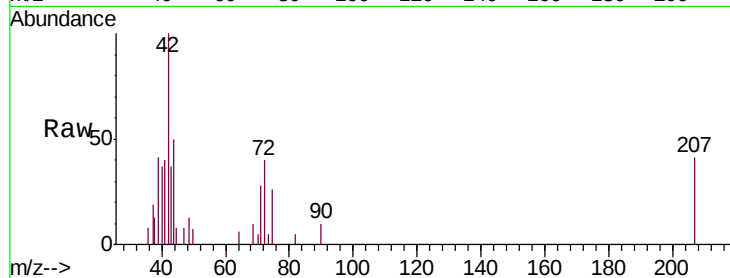
Tgt Ion: 42 Resp: 2702

Ion Ratio Lower Upper

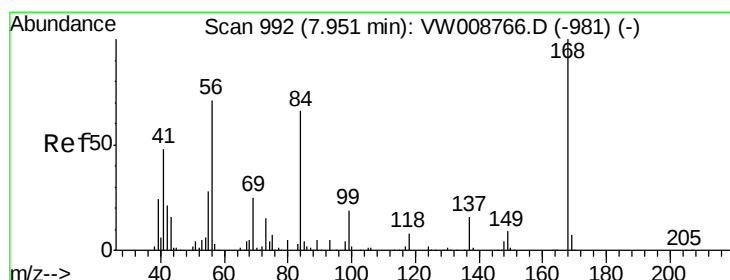
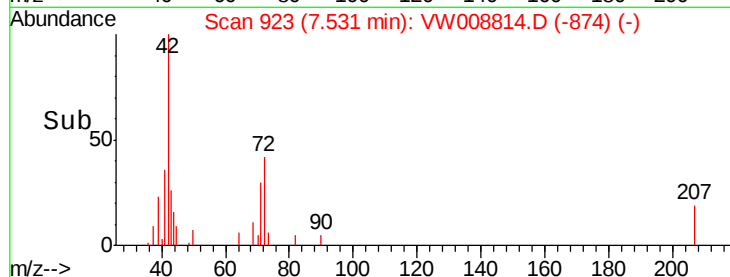
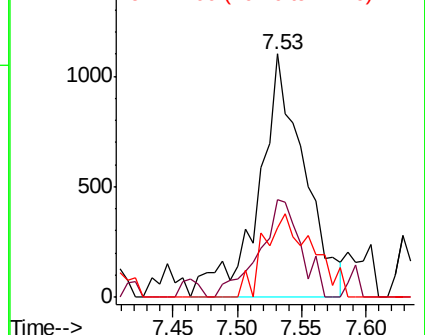
42 100

72 36.6 32.7 49.1

71 36.6 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

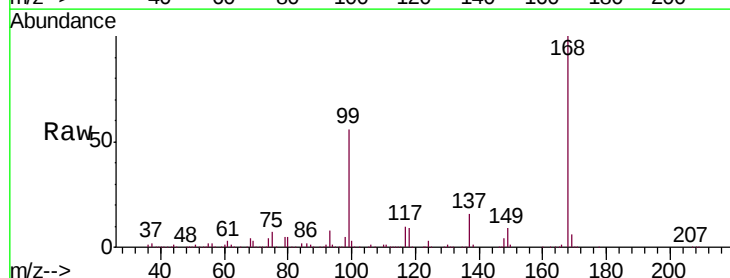
Tgt Ion: 56 Resp: 8337

Ion Ratio Lower Upper

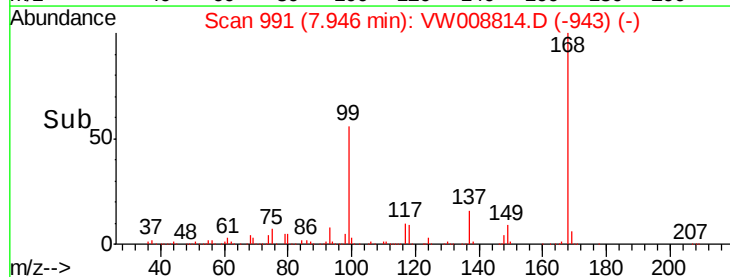
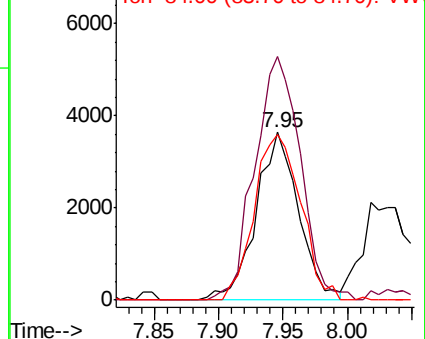
56 100

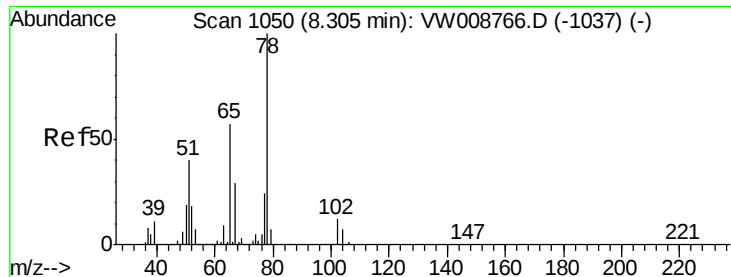
69 145.3 28.2 42.4#

84 99.0 74.1 111.1



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





#33

1,2-Dichloroethane-d4

Concen: 58.062 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

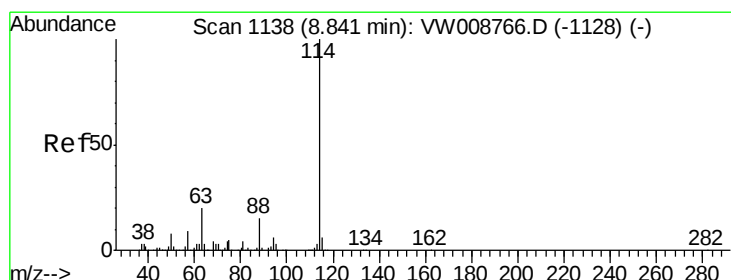
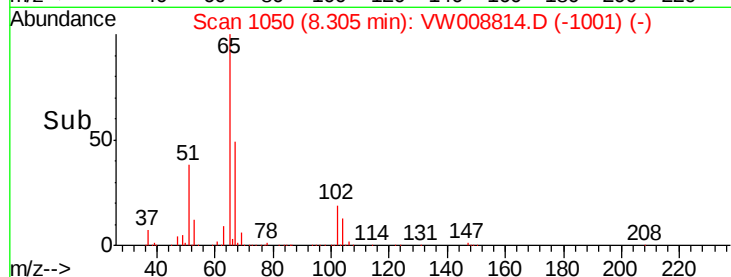
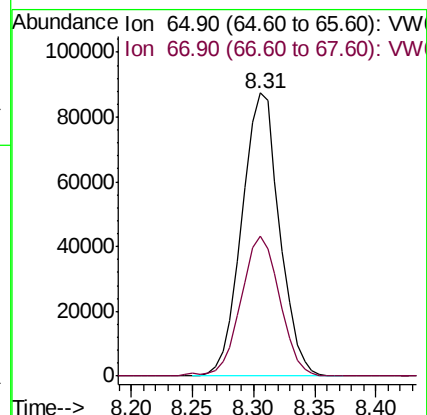
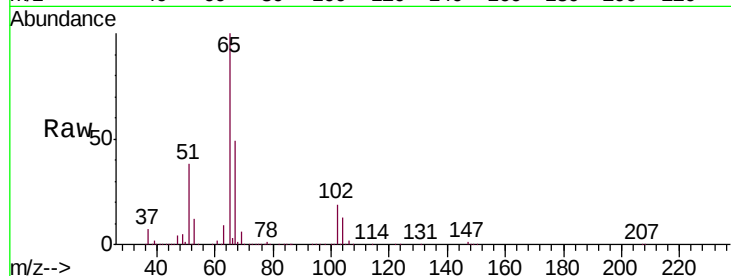
WV-A

Tgt Ion: 65 Resp: 186402

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

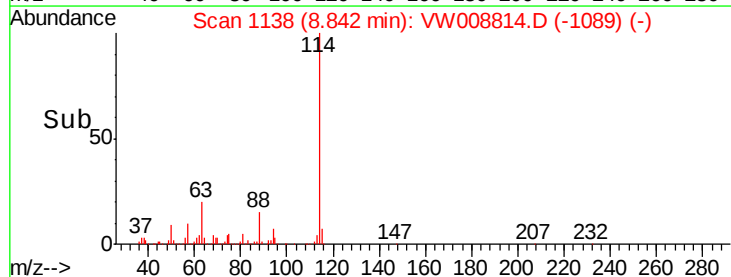
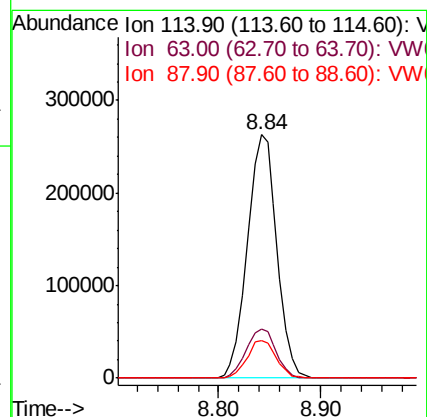
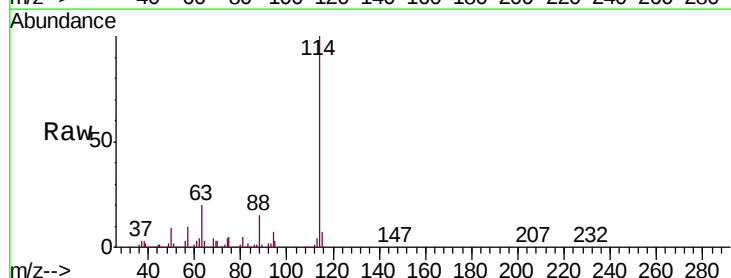
Tgt Ion: 114 Resp: 526226

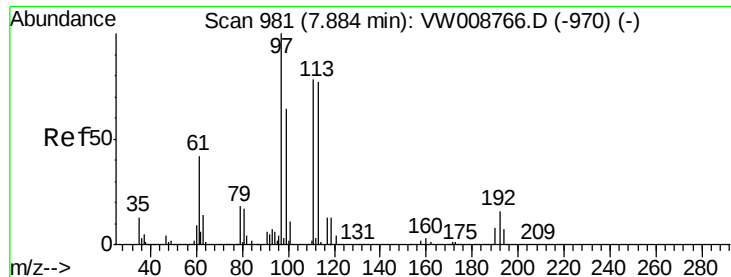
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.640 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

WV-A

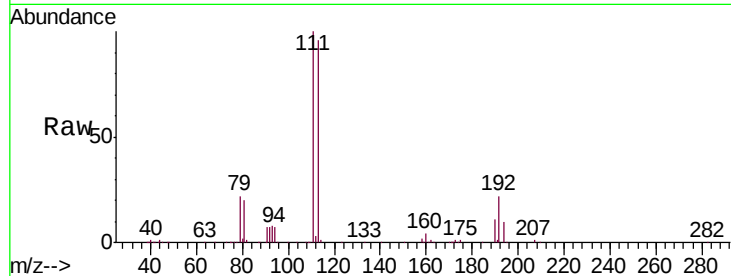
Tgt Ion:113 Resp: 166316

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

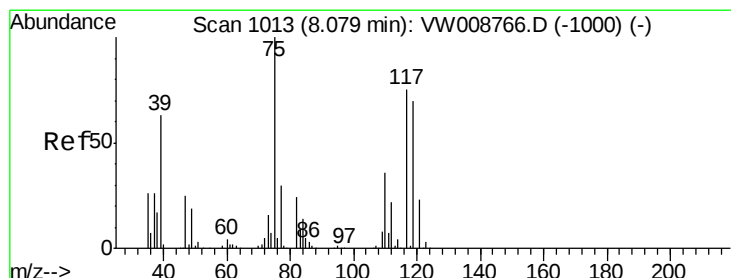
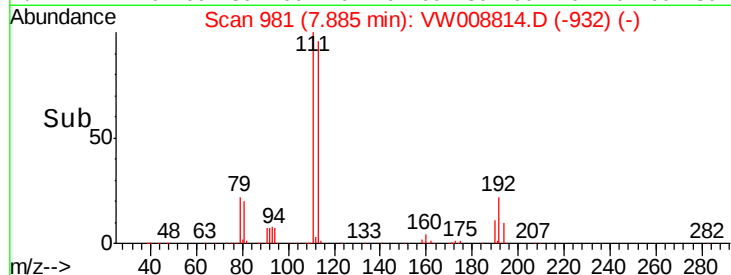
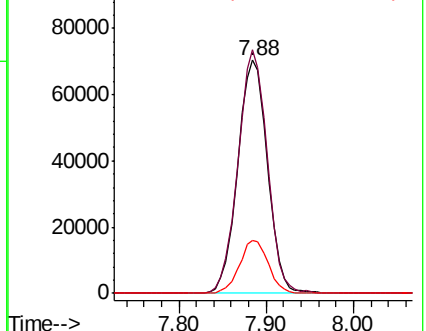
192 22.0 17.1 25.7



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: 4.902 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

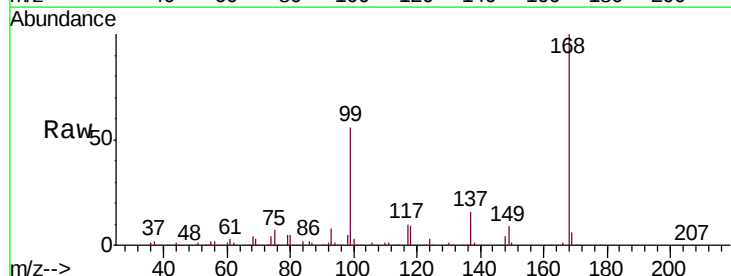
Tgt Ion: 75 Resp: 25112

Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.6#

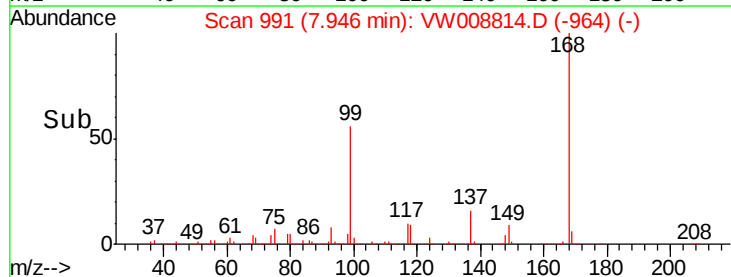
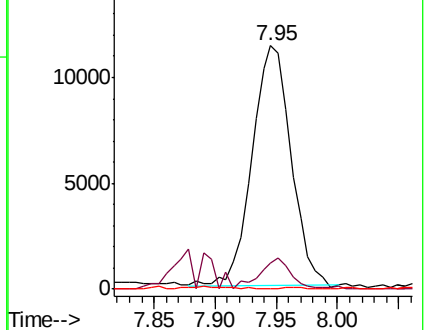
77 0.3 24.5 36.7#

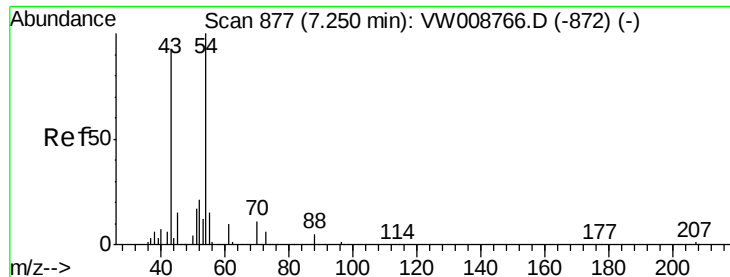


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

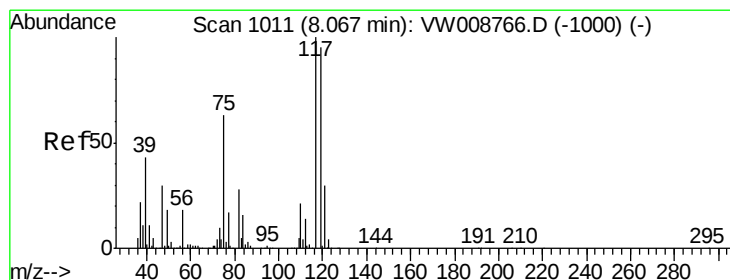
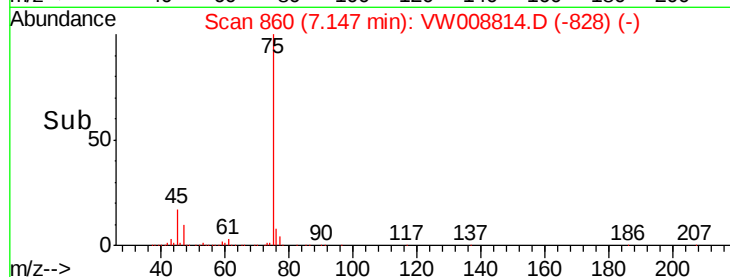
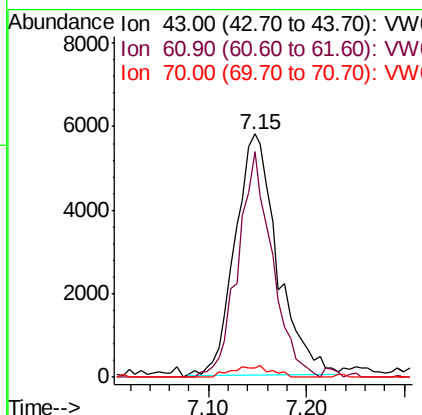
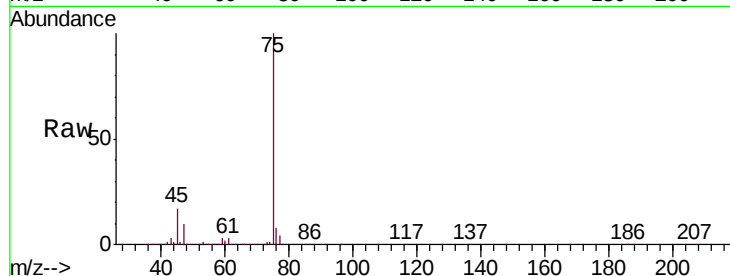




#37
Ethyl Acetate
Concen: 7.249 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.10 min
Lab File: VW008814.D
Acq: 25 Feb 2019 18:31

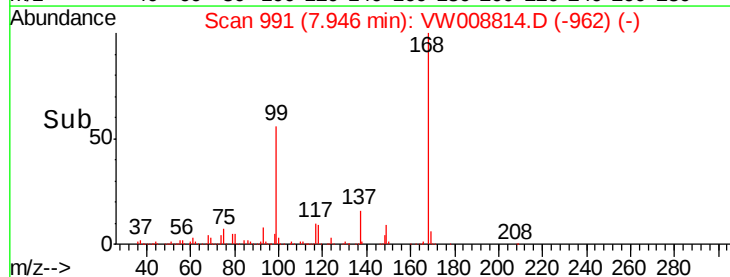
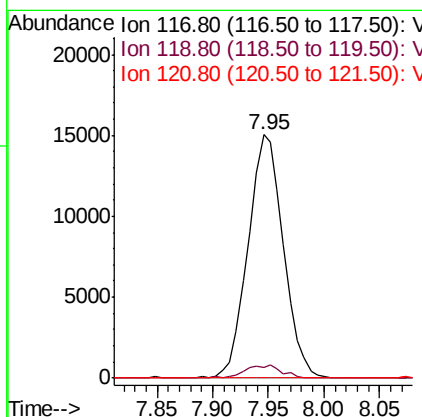
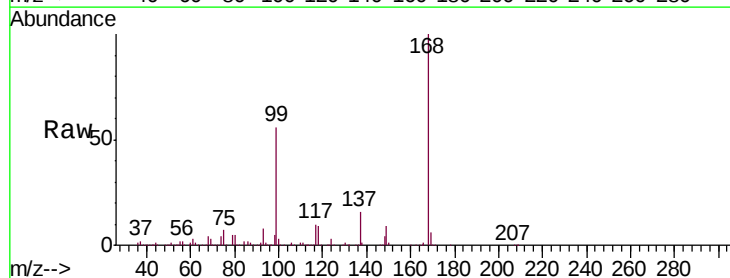
Instrument :
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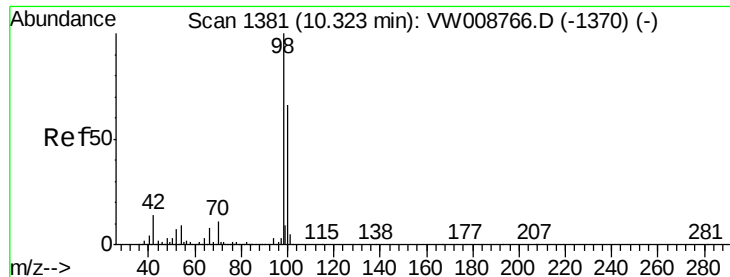
Tgt Ion: 43 Resp: 17268
Ion Ratio Lower Upper
43 100
61 75.9 9.8 14.8#
70 4.4 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008814.D
Acq: 25 Feb 2019 18:31

Tgt Ion: 117 Resp: 33217
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 50.733 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

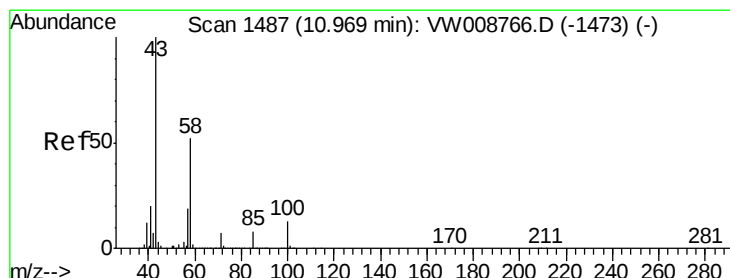
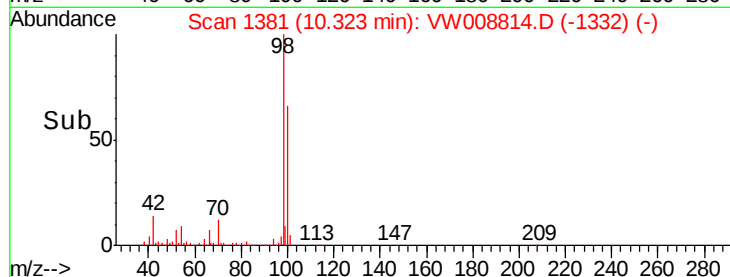
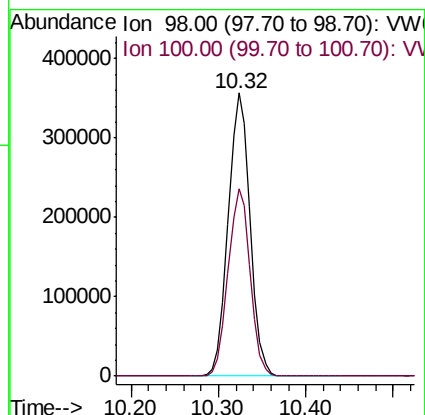
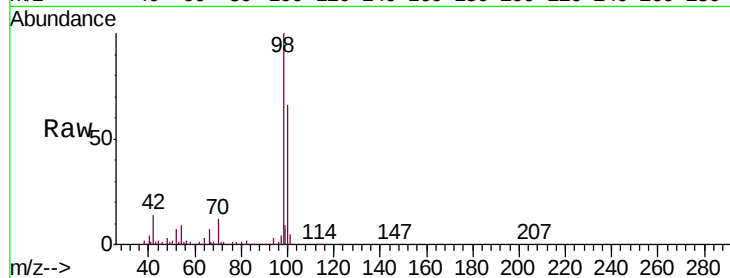
WV-A

Tgt Ion: 98 Resp: 618770

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6



#59

2-Hexanone

Concen: 1.741 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW008814.D

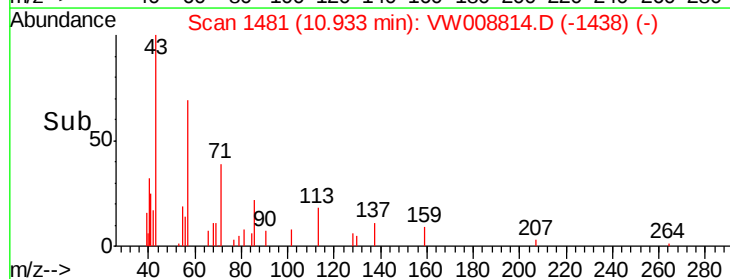
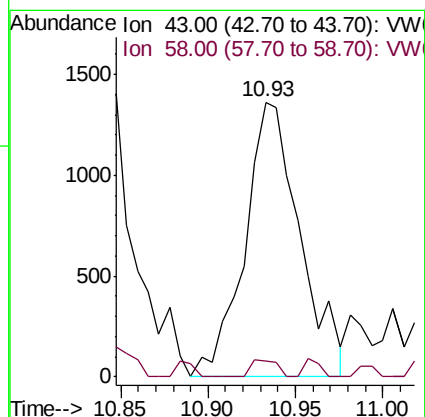
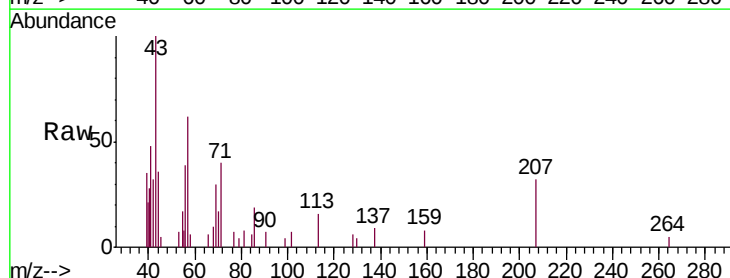
Acq: 25 Feb 2019 18:31

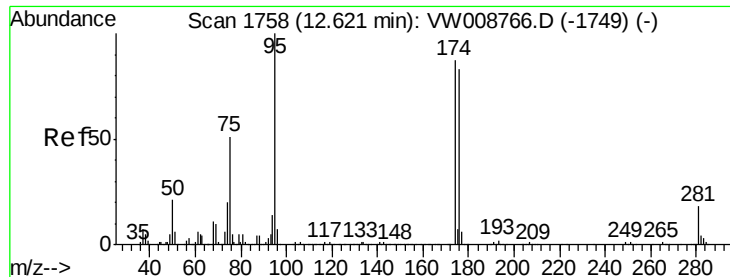
Tgt Ion: 43 Resp: 2992

Ion Ratio Lower Upper

43 100

58 2.9 25.3 75.8#





#62

4-Bromofluorobenzene

Concen: 44.759 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

WV-A

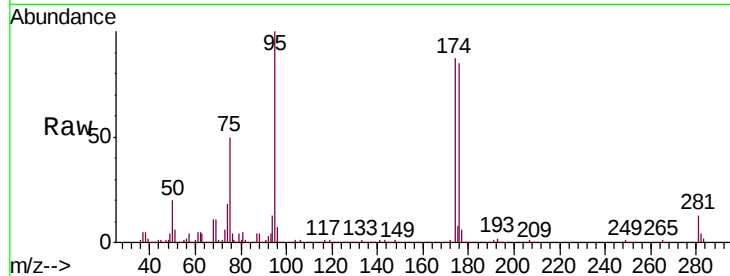
Tgt Ion: 95 Resp: 213747

Ion Ratio Lower Upper

95 100

174 84.2 0.0 169.2

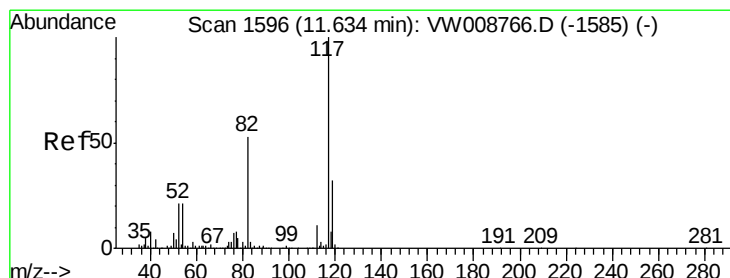
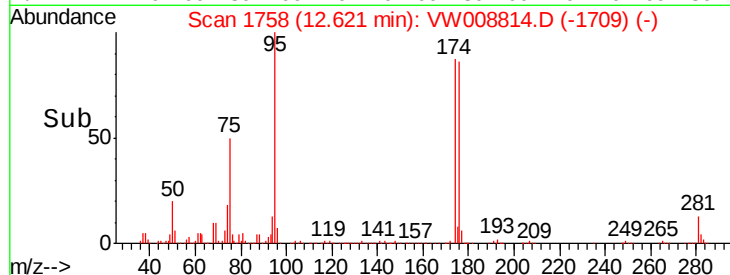
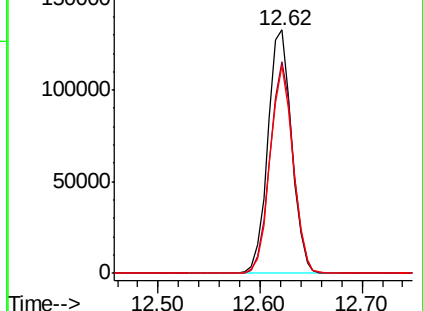
176 82.0 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

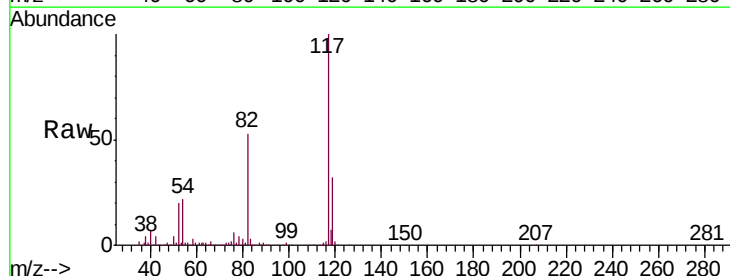
Tgt Ion: 117 Resp: 456571

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.4

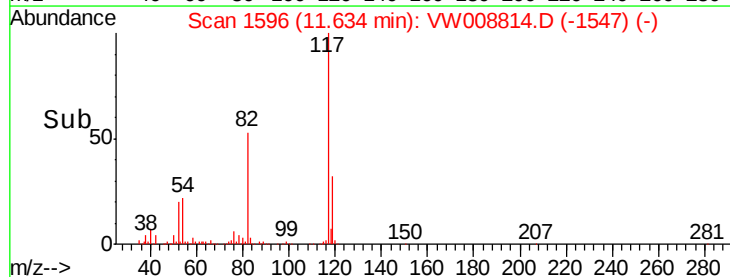
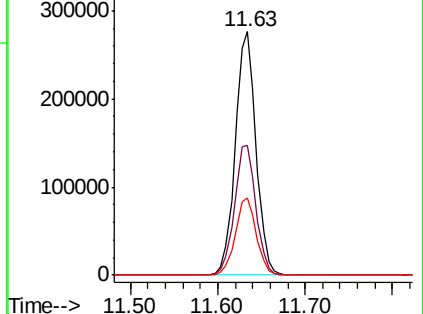
119 31.9 25.9 38.9

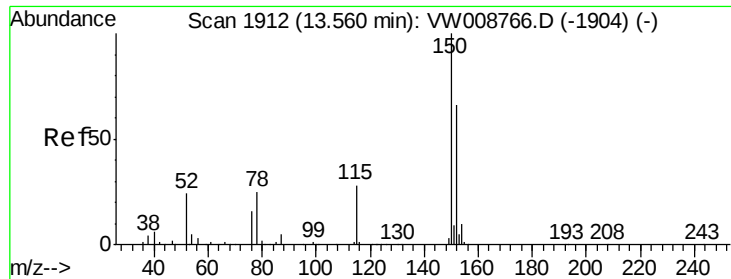


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

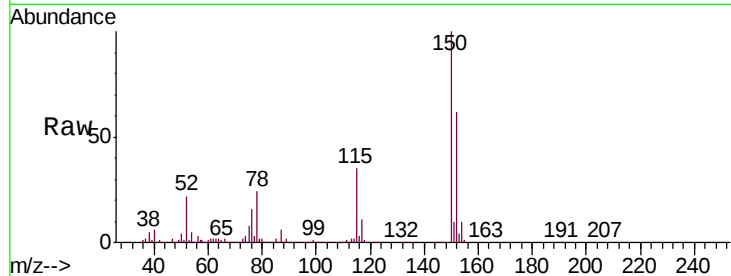




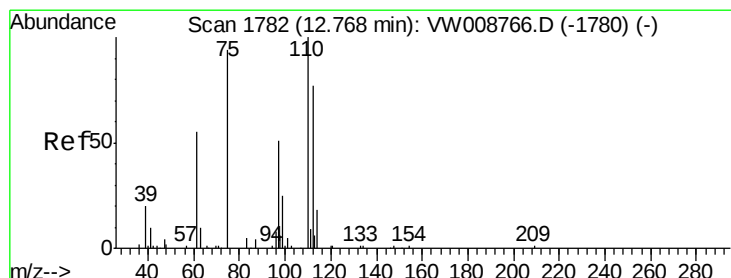
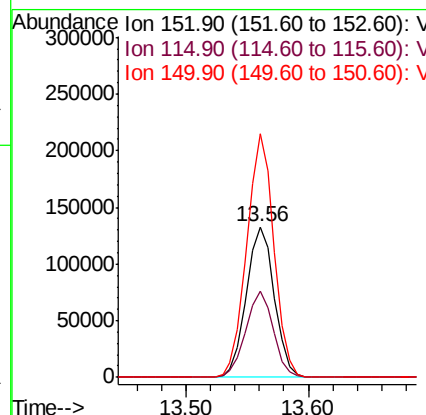
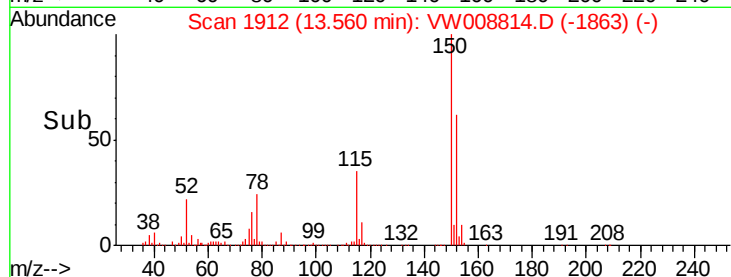
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008814.D
 Acq: 25 Feb 2019 18:31

Instrument :
 MSVOA_W
 ClientSampleId :
 WV-A

Tgt Ion:152 Resp: 210629
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.6 85.8
 150 157.0 0.0 348.0

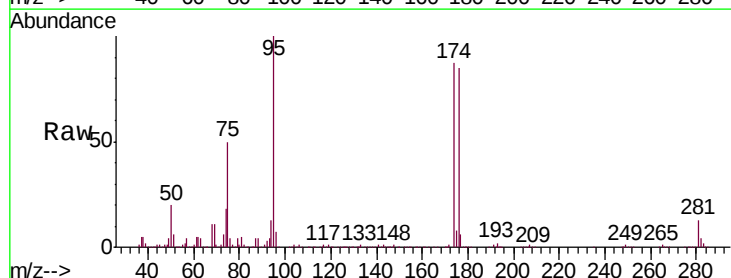


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

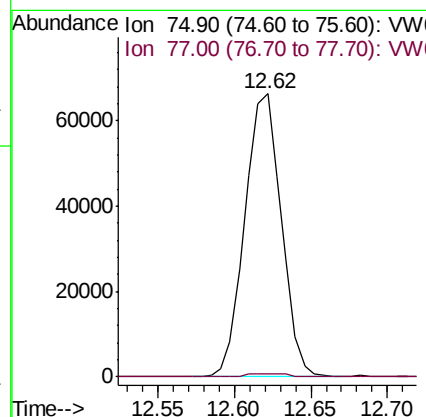
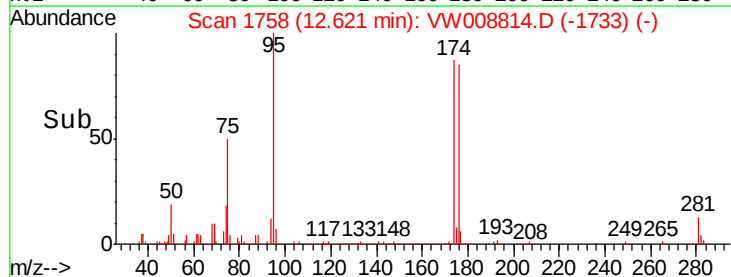


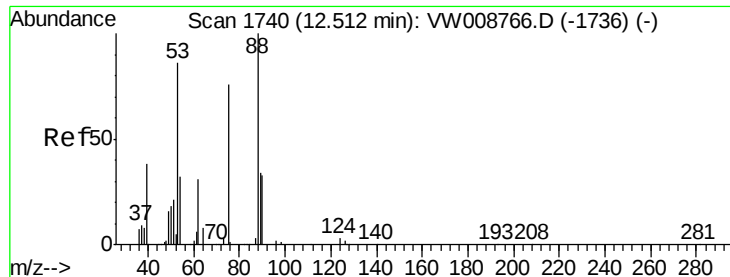
#76
 1,2,3-Trichloropropane
 Concen: 63.373 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008814.D
 Acq: 25 Feb 2019 18:31

Tgt Ion: 75 Resp: 110207
 Ion Ratio Lower Upper
 75 100
 77 1.4 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: 154.064 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

WV-A

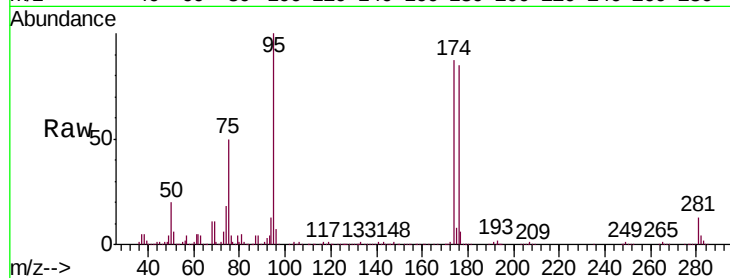
Tgt Ion: 75 Resp: 110207

Ion Ratio Lower Upper

75 100

53 0.6 88.2 132.2#

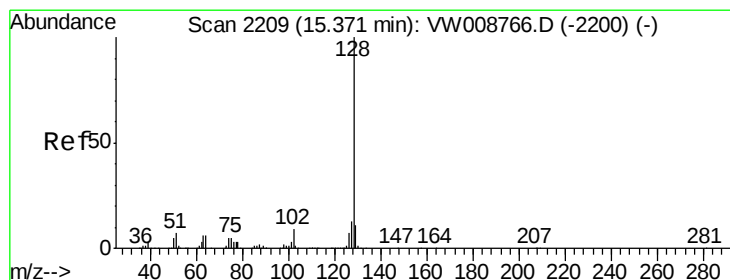
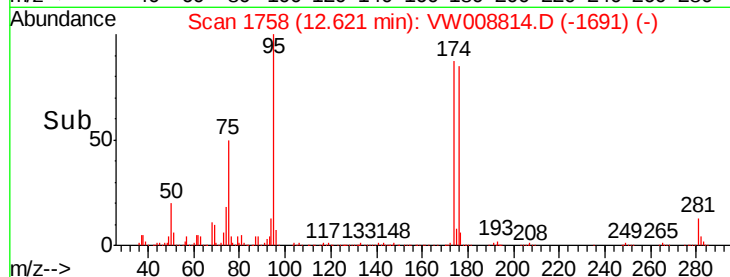
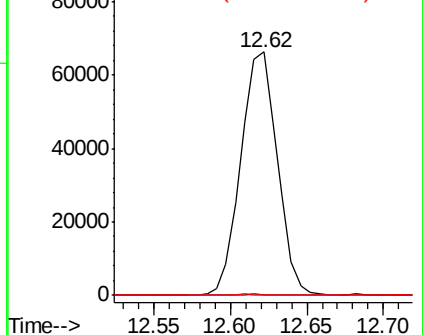
89 0.4 39.5 59.3#



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: 1.385 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008814.D

Acq: 25 Feb 2019 18:31

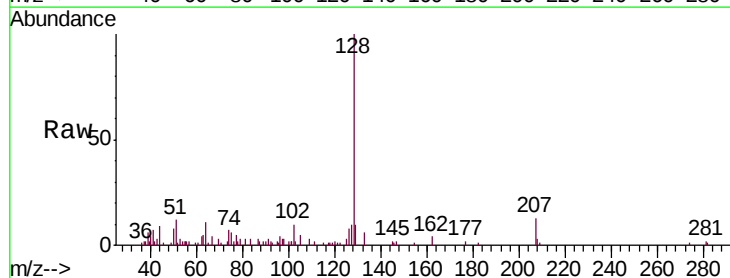
Tgt Ion: 128 Resp: 10718

Ion Ratio Lower Upper

128 100

127 17.7 10.8 16.2#

129 14.9 8.7 13.1#



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

