

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083019\
 Data File : VW012380.D
 Acq On : 31 Aug 2019 05:30
 Operator : SY/VA
 Sample : K4517-01
 Misc : 6.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S-A1-(0)

Quant Time: Aug 31 06:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

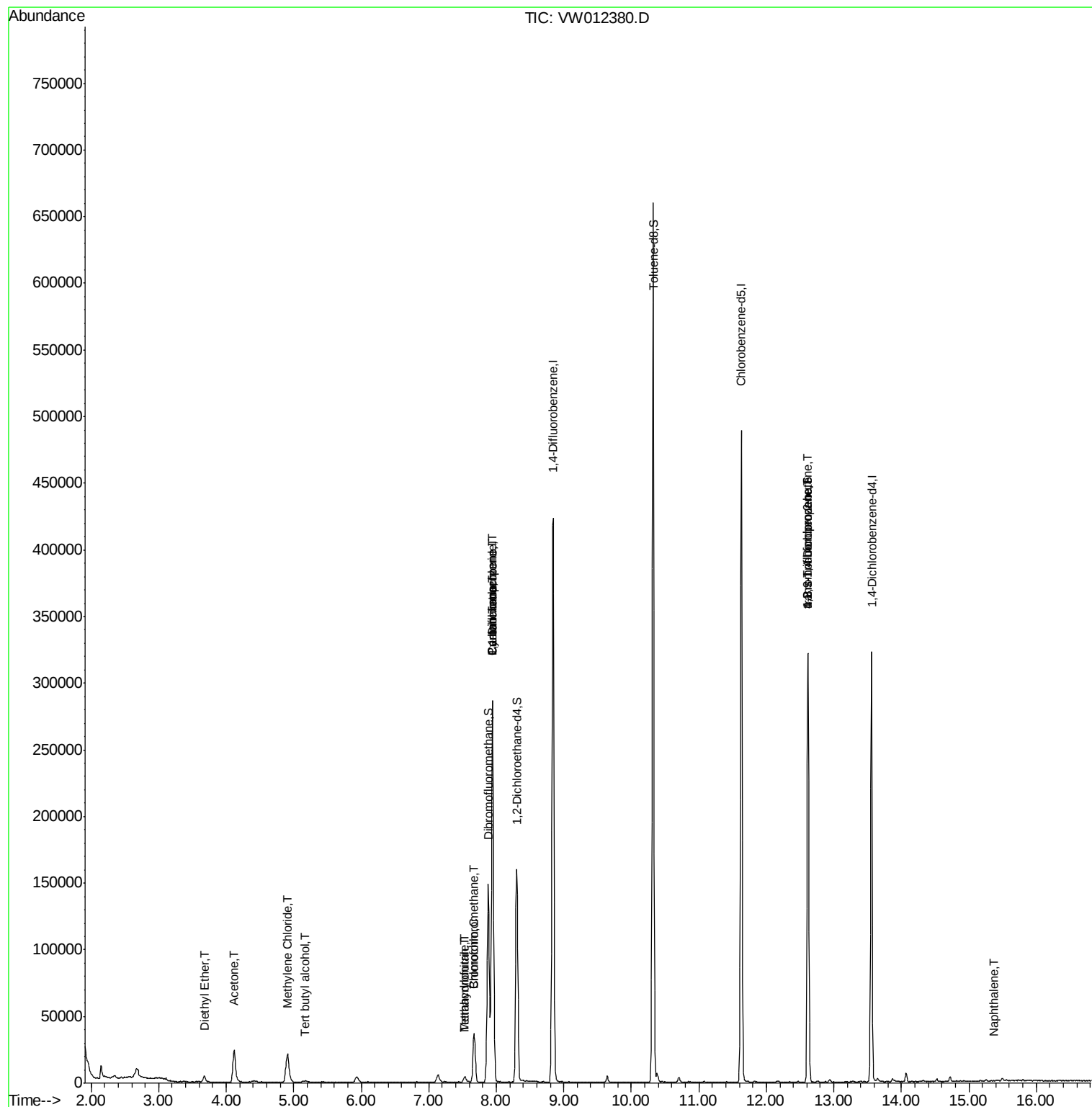
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78014	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	132022	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	
35) Dibromofluoromethane	7.88	113	106102	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
50) Toluene-d8	10.32	98	405767	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	104975	36.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.12%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2335	2.045	ug/l	90
11) Tert butyl alcohol	5.16	59	1481	10.092	ug/l #	76
16) Acetone	4.12	43	44356	71.156	ug/l	99
20) Methylene Chloride	4.91	84	14721	6.247	ug/l	93
28) Bromochloromethane	7.67	49	3425	1.770	ug/l #	24
29) Tetrahydrofuran	7.53	42	3667	7.216	ug/l	96
30) Chloroform	7.67	83	33340	8.208	ug/l	96
31) Cyclohexane	7.94	56	4988	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18135	5.214	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20754	6.894	ug/l #	17
41) Methacrylonitrile	7.54	41	2406	2.148	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	57530	75.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57530	166.013	ug/l #	6
95) Naphthalene	15.36	128	35	4.332	ug/l #	69

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

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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# 991

Delta R.T. -0.00 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

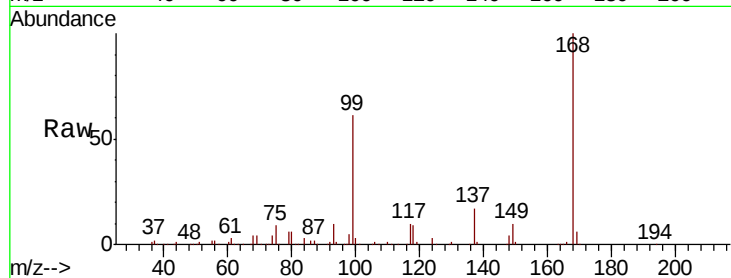
T2-S-A1-(0)

Tgt Ion:168 Resp: 205140

Ion Ratio Lower Upper

168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

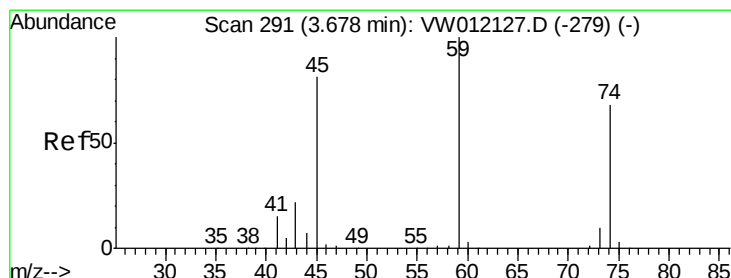
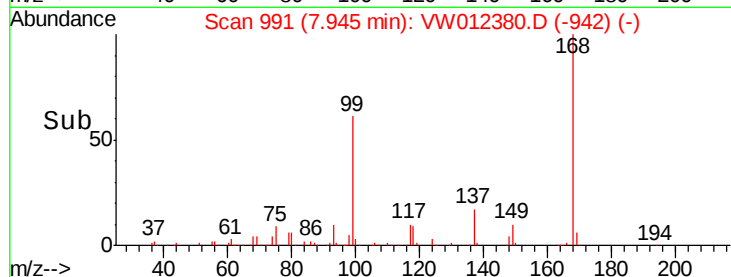
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.045 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012380.D

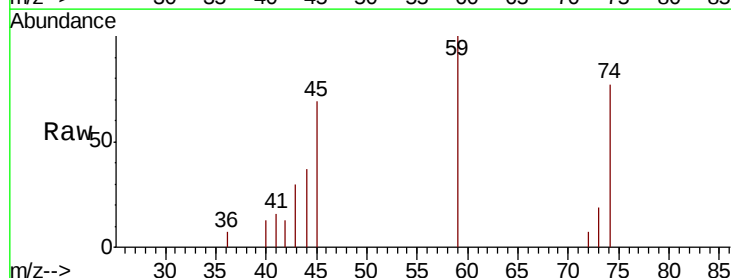
Acq: 31 Aug 2019 05:30

Tgt Ion: 74 Resp: 2335

Ion Ratio Lower Upper

74 100

45 129.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

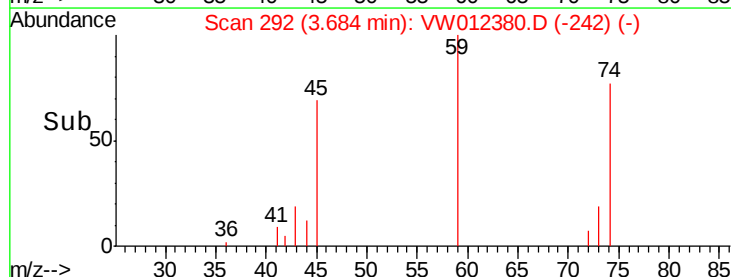
3.68

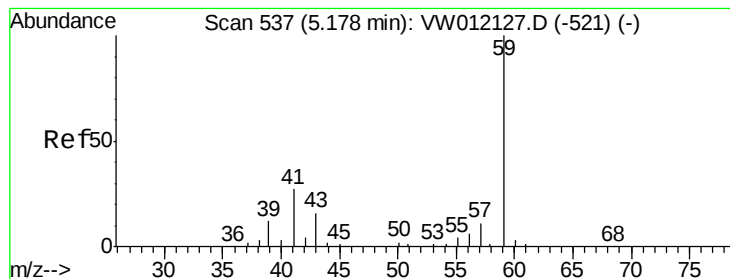
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 10.092 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

Instrument :

MSVOA_W

ClientSampled :

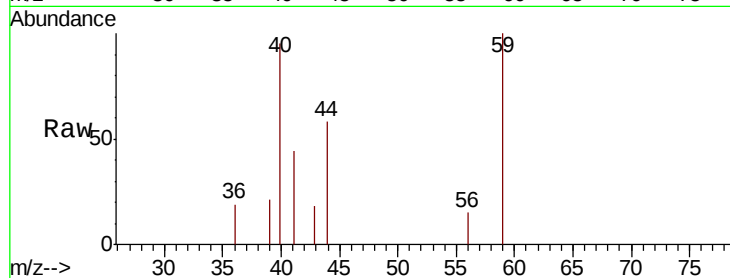
T2-S-A1-(0)

Tgt Ion: 59 Resp: 1481

Ion Ratio Lower Upper

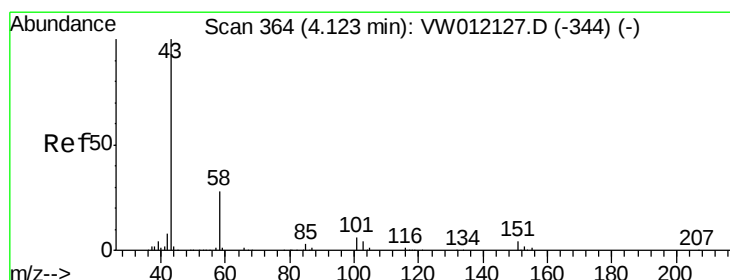
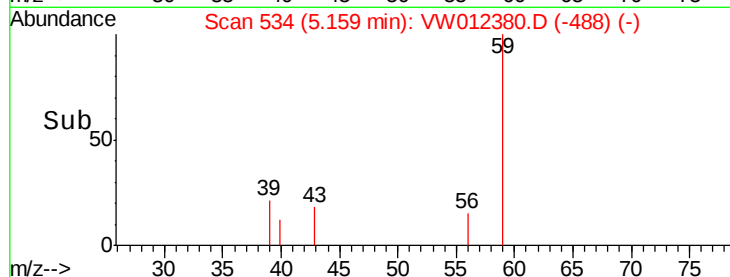
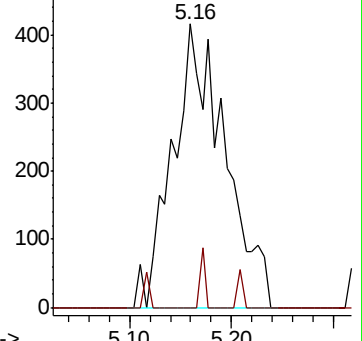
59 100

57 2.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 71.156 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012380.D

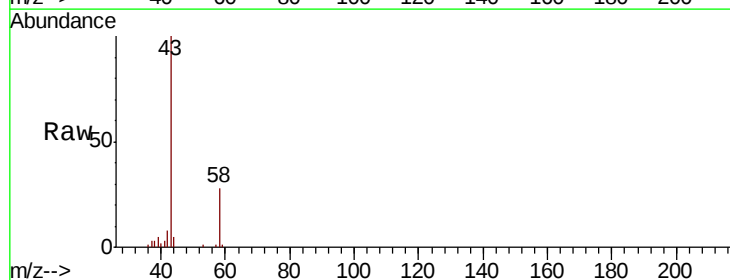
Acq: 31 Aug 2019 05:30

Tgt Ion: 43 Resp: 44356

Ion Ratio Lower Upper

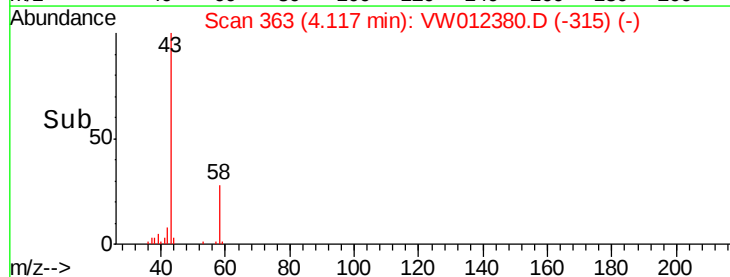
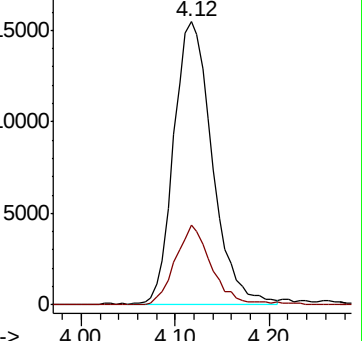
43 100

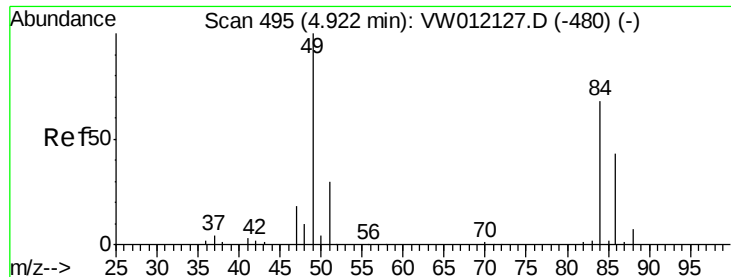
58 28.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

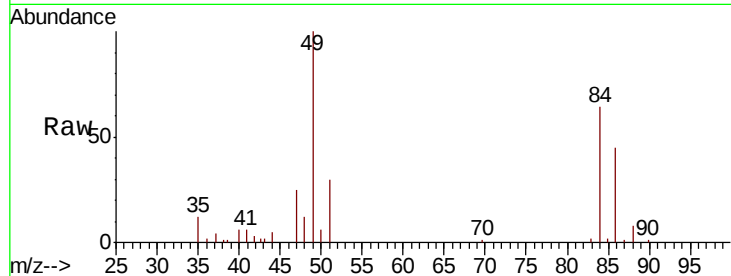




#20
Methylene Chloride
Concen: 6.247 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012380.D
Acq: 31 Aug 2019 05:30

Instrument :
MSVOA_W
ClientSampleId :
T2-S-A1-(0)

Tgt Ion:	84	Resp:	14721
Ion	Ratio	Lower	Upper
84	100		
49	157.2	117.8	176.8
51	47.9	35.6	53.4
86	70.1	51.2	76.8



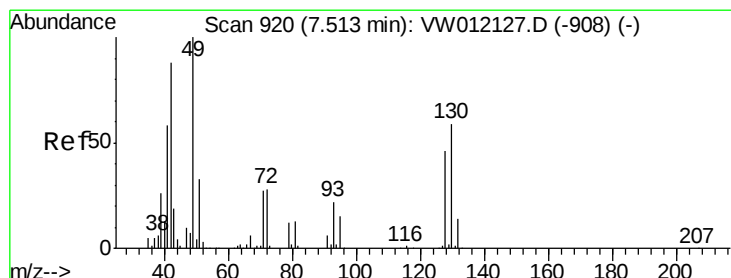
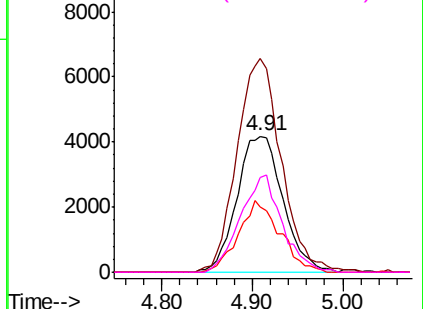
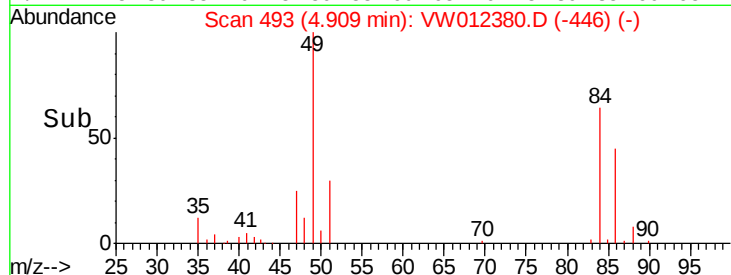
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

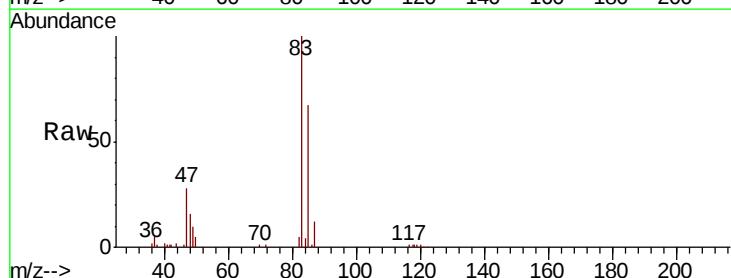
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#28
Bromochloromethane
Concen: 1.770 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.16 min
Lab File: VW012380.D
Acq: 31 Aug 2019 05:30

Tgt Ion:	49	Resp:	3425
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	0.0	45.5	68.3#

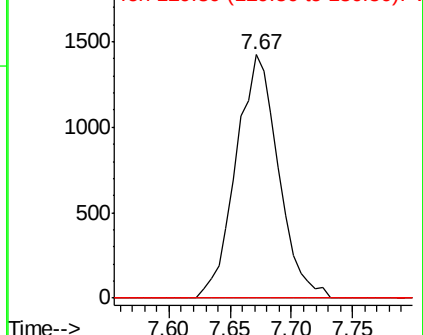
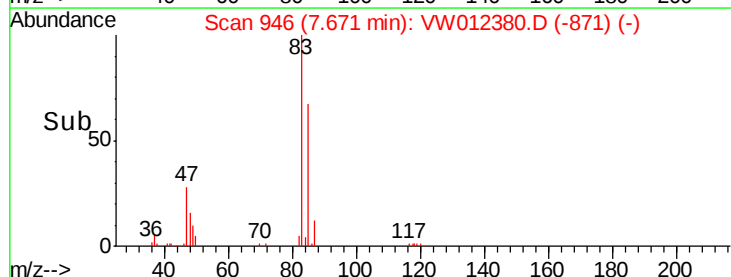


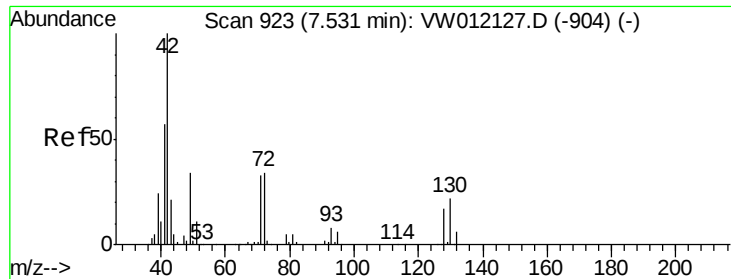
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

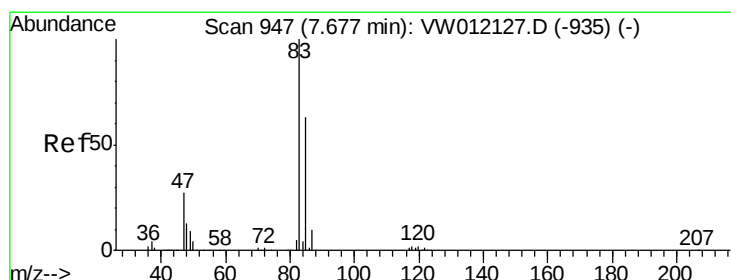
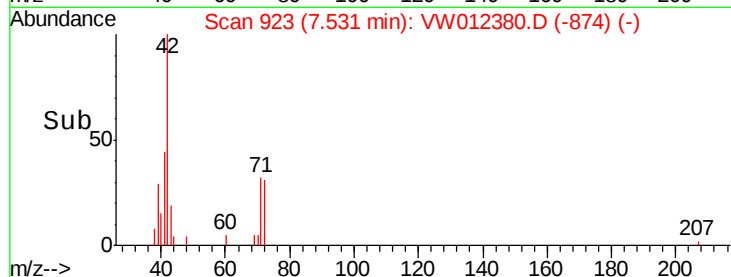
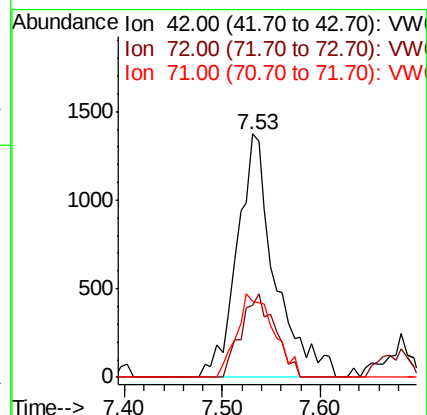
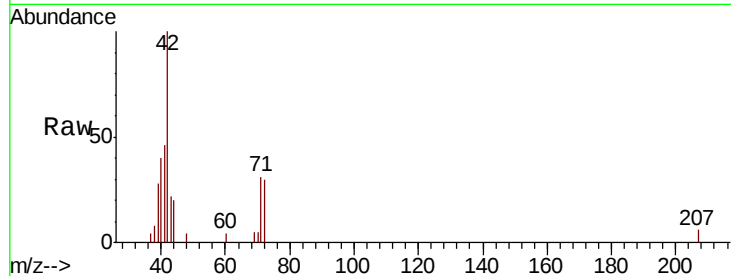




#29
Tetrahydrofuran
Concen: 7.216 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012380.D
Acq: 31 Aug 2019 05:30

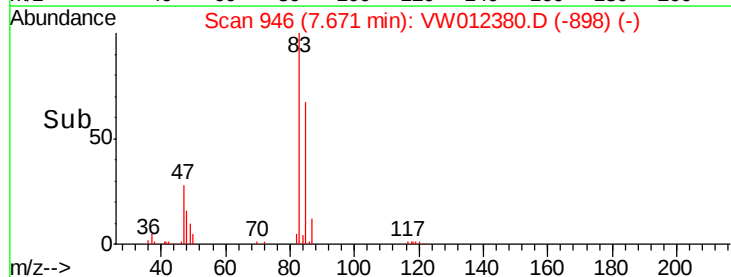
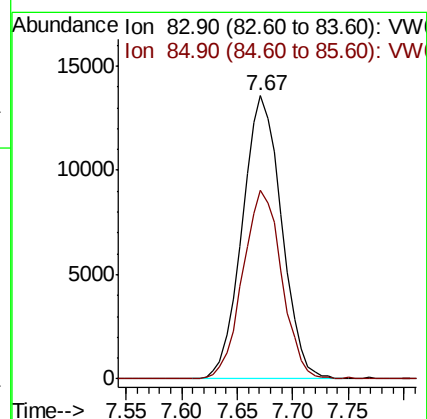
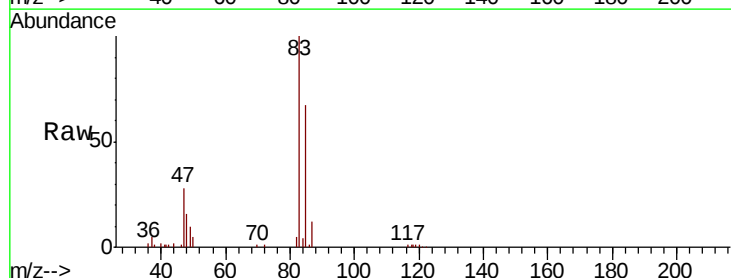
Instrument :
MSVOA_W
ClientSampleId :
T2-S-A1-(0)

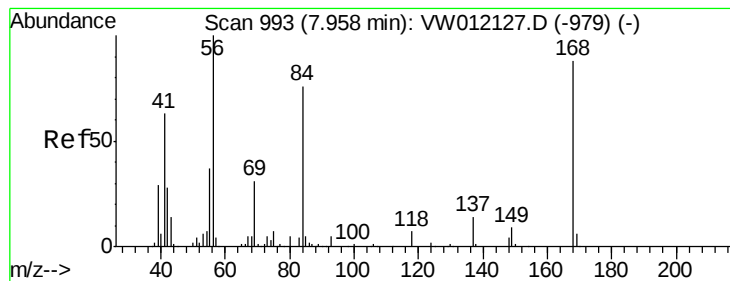
Tgt Ion: 42 Resp: 3667
Ion Ratio Lower Upper
42 100
72 31.1 27.3 40.9
71 33.6 25.5 38.3



#30
Chloroform
Concen: 8.208 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012380.D
Acq: 31 Aug 2019 05:30

Tgt Ion: 83 Resp: 33340
Ion Ratio Lower Upper
83 100
85 66.4 50.6 76.0





#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

T2-S-A1-(0)

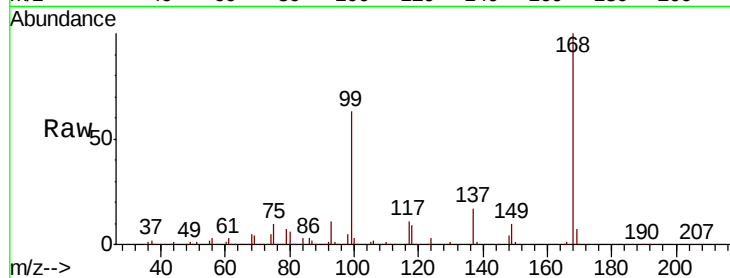
Tgt Ion: 56 Resp: 4988

Ion Ratio Lower Upper

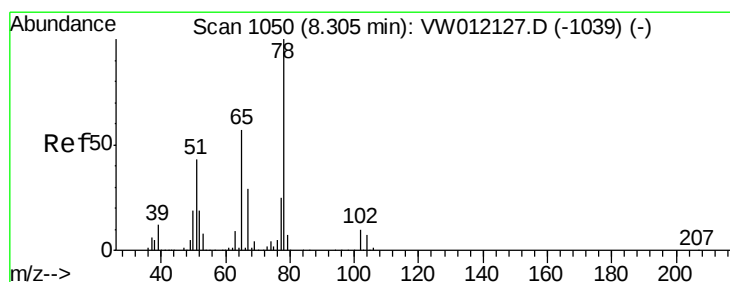
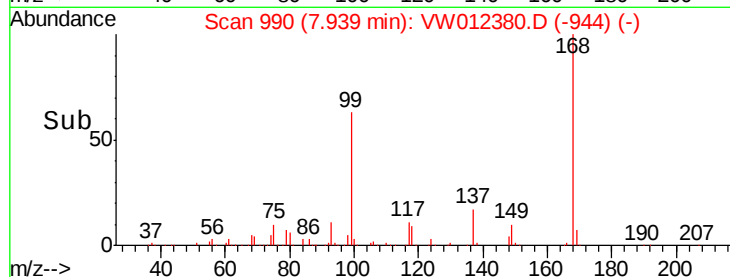
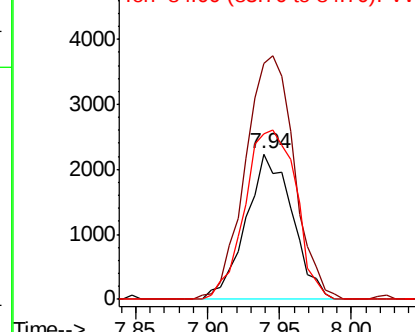
56 100

69 161.9 24.9 37.3#

84 114.1 60.6 90.8#



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: 54.138 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012380.D

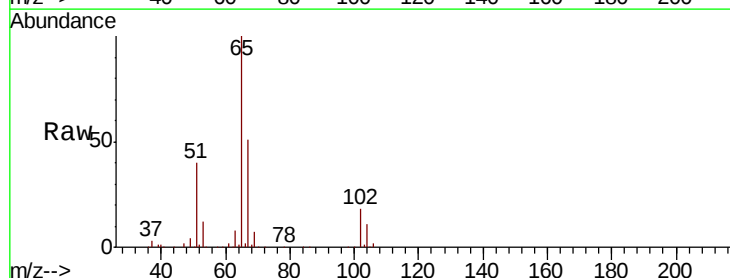
Acq: 31 Aug 2019 05:30

Tgt Ion: 65 Resp: 132022

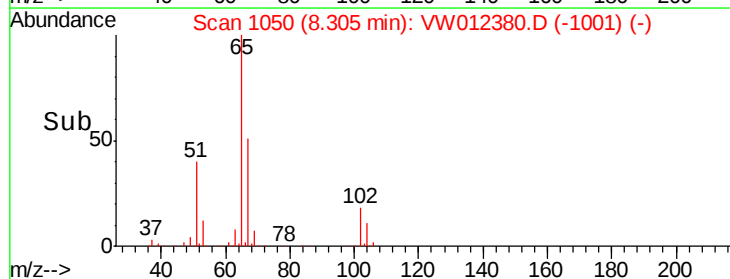
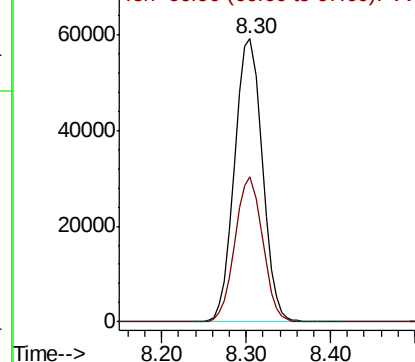
Ion Ratio Lower Upper

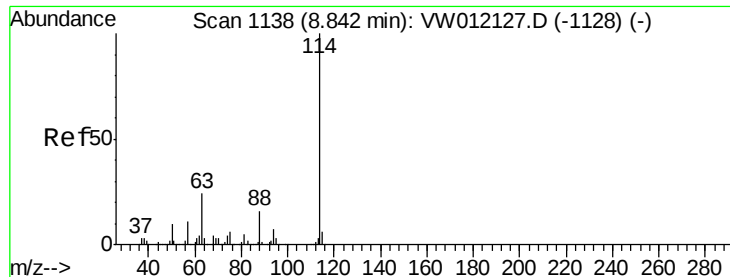
65 100

67 50.7 0.0 102.6



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

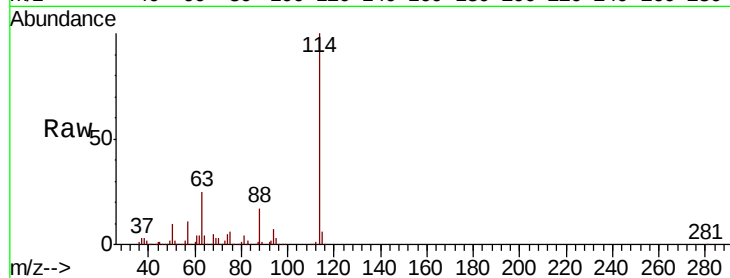




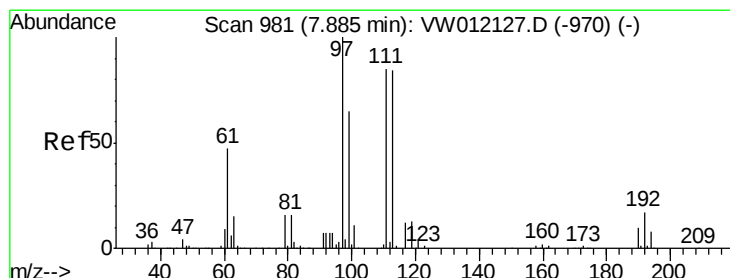
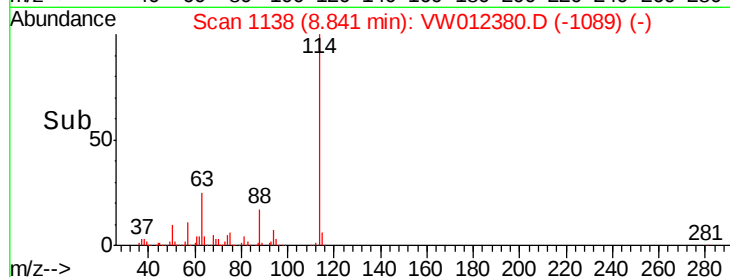
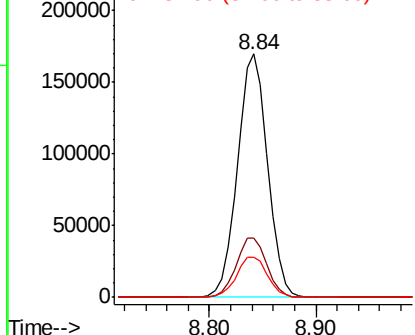
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012380.D
 Acq: 31 Aug 2019 05:30

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S-A1-(0)

Tgt Ion:114 Resp: 336571
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.5 0.0 32.2

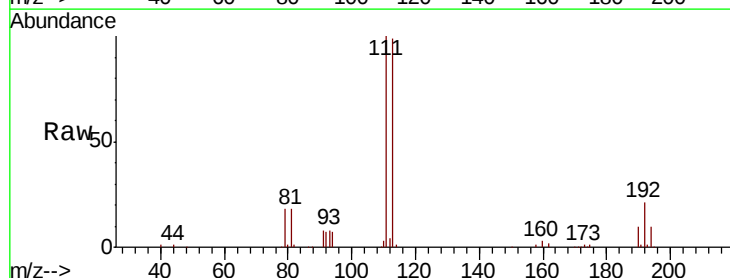


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

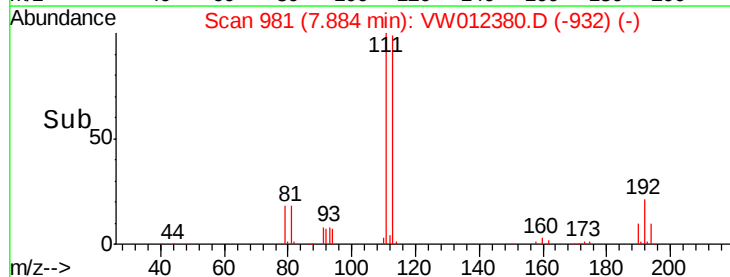
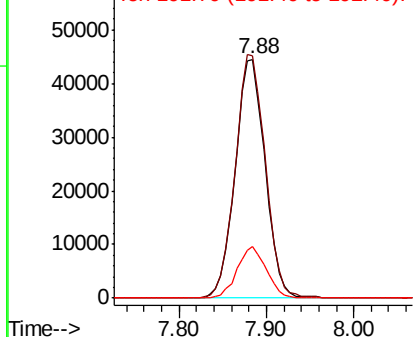


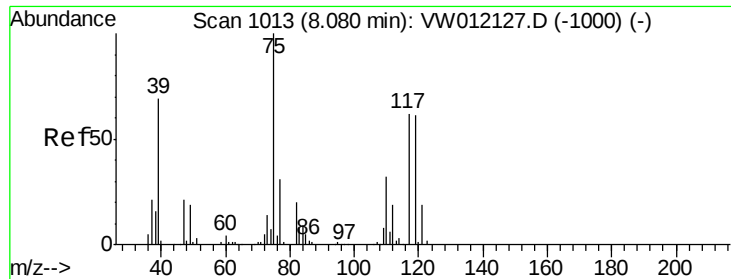
#35
 Dibromofluoromethane
 Concen: 52.813 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012380.D
 Acq: 31 Aug 2019 05:30

Tgt Ion:113 Resp: 106102
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 20.8 16.2 24.2



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

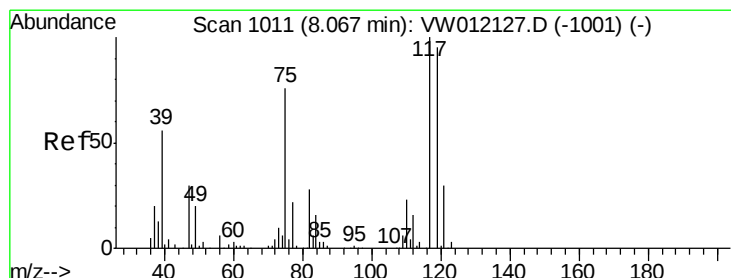
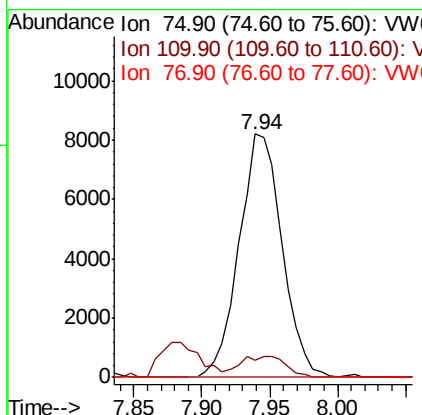
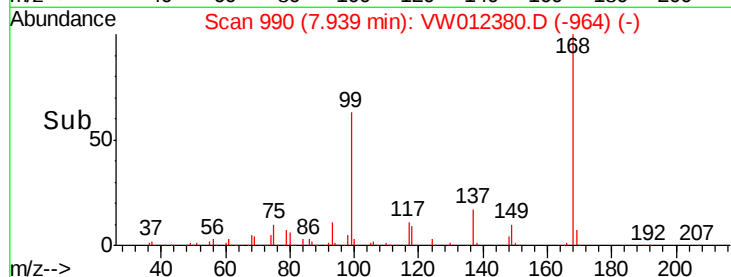
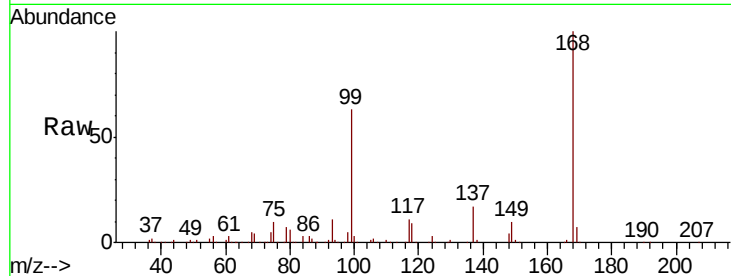




#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012380.D
 Acq: 31 Aug 2019 05:30

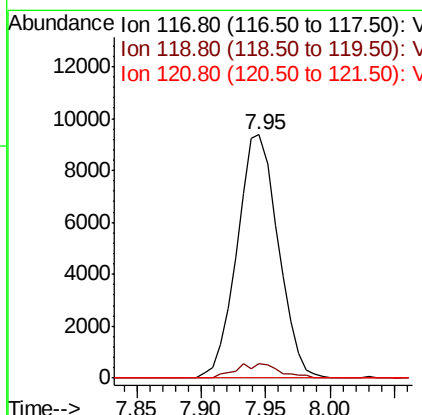
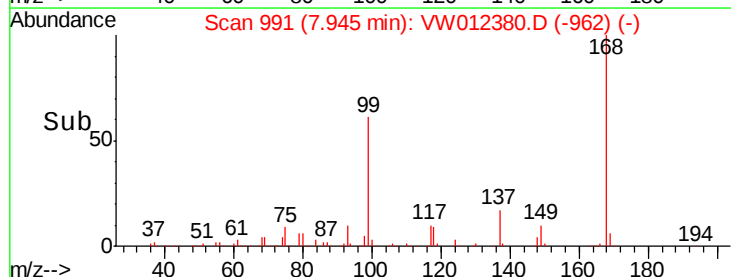
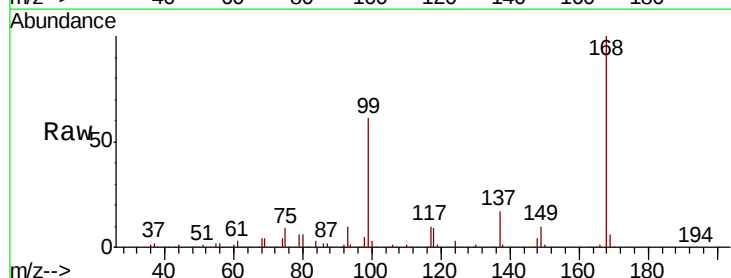
Instrument :
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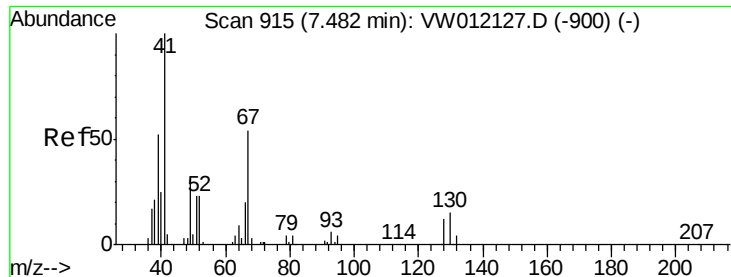
Tgt Ion: 75 Resp: 18135
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.894 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012380.D
 Acq: 31 Aug 2019 05:30

Tgt Ion: 117 Resp: 20754
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#

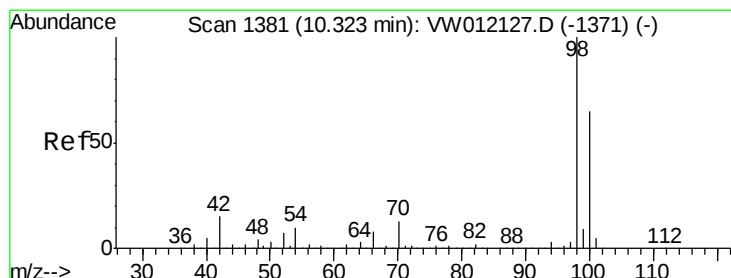
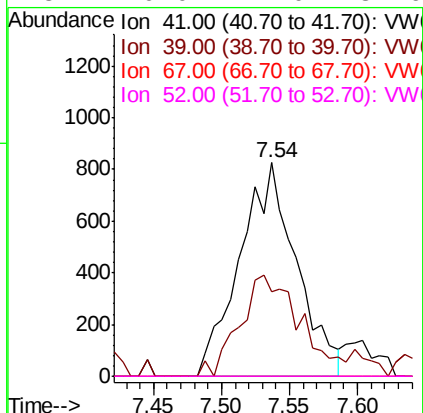
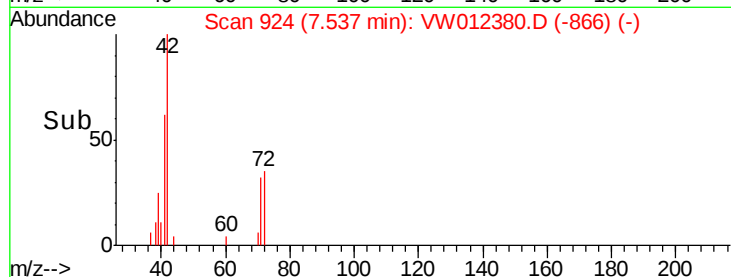
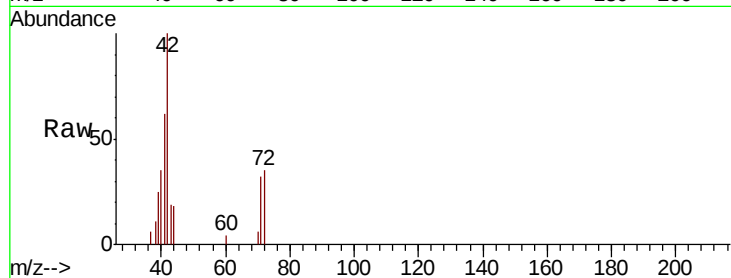




#41
Methacrylonitrile
Concen: 2.148 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012380.D
Acq: 31 Aug 2019 05:30

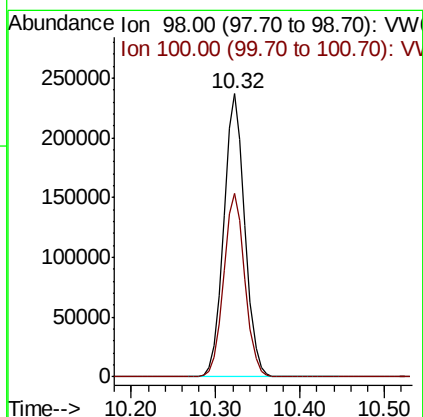
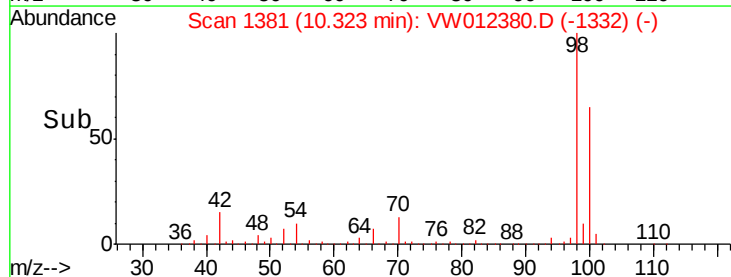
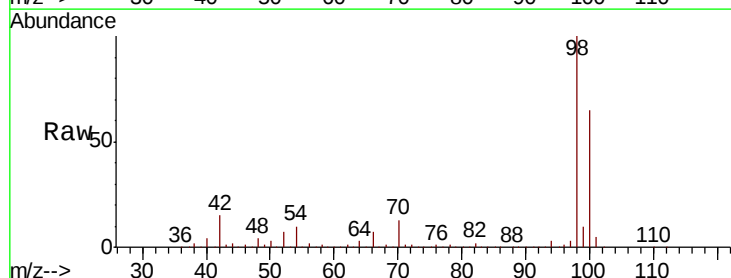
Instrument :
MSVOA_W
ClientSampleId :
T2-S-A1-(0)

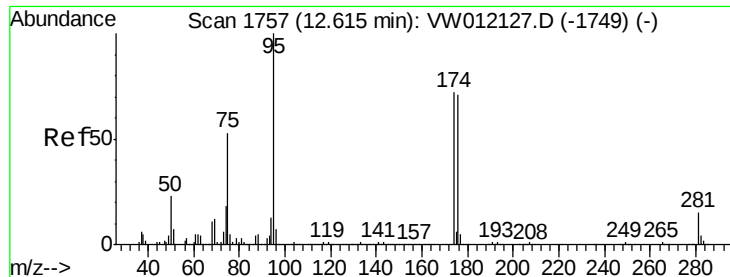
Tgt Ion: 41 Resp: 2406
Ion Ratio Lower Upper
41 100
39 50.5 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 49.812 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012380.D
Acq: 31 Aug 2019 05:30

Tgt Ion: 98 Resp: 405767
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 36.558 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

T2-S-A1-(0)

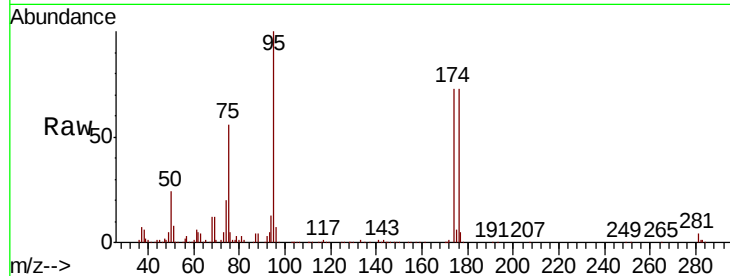
Tgt Ion: 95 Resp: 104975

Ion Ratio Lower Upper

95 100

174 77.3 0.0 150.8

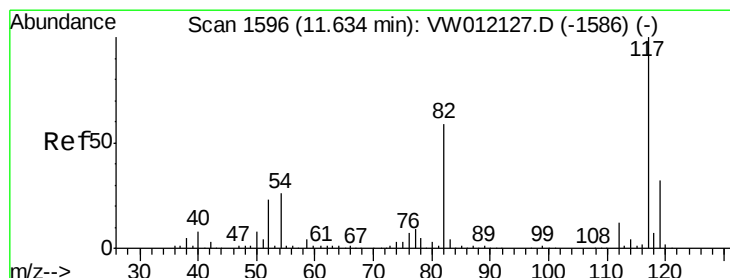
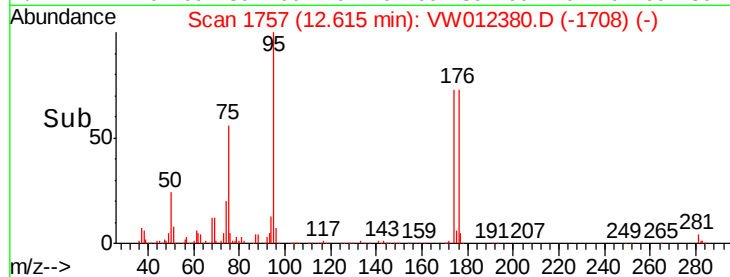
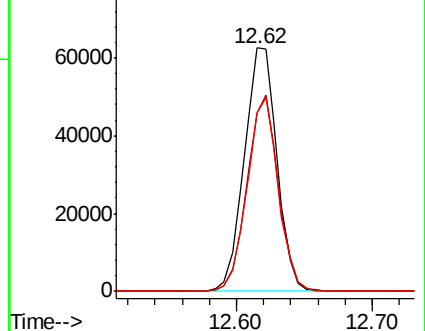
176 75.7 0.0 148.6



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: VW012380.D

Acq: 31 Aug 2019 05:30

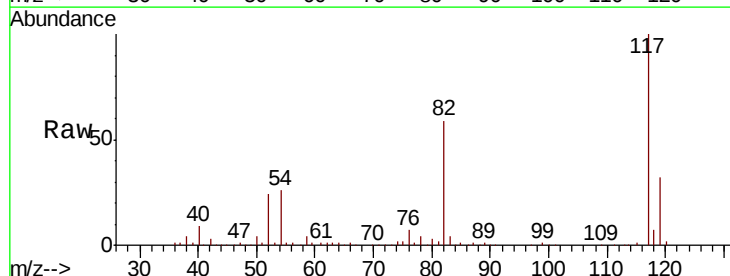
Tgt Ion: 117 Resp: 257906

Ion Ratio Lower Upper

117 100

82 59.4 47.4 71.2

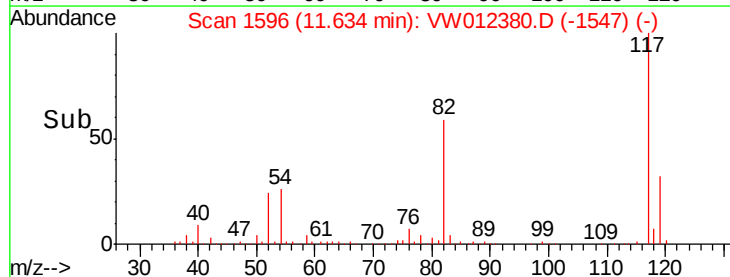
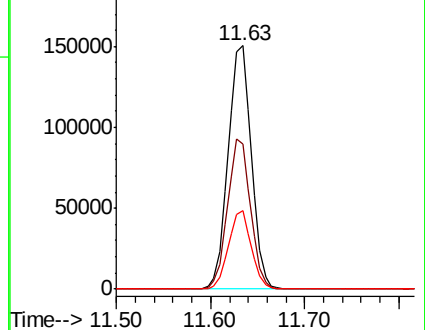
119 32.1 25.4 38.2

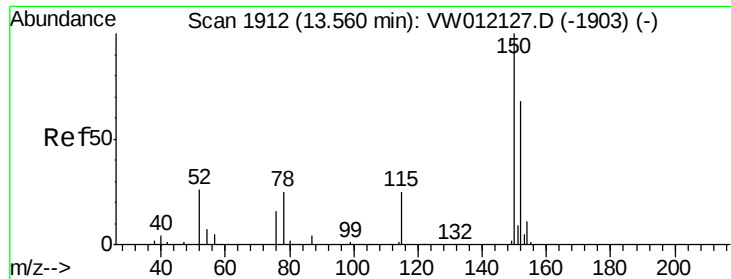


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

T2-S-A1-(0)

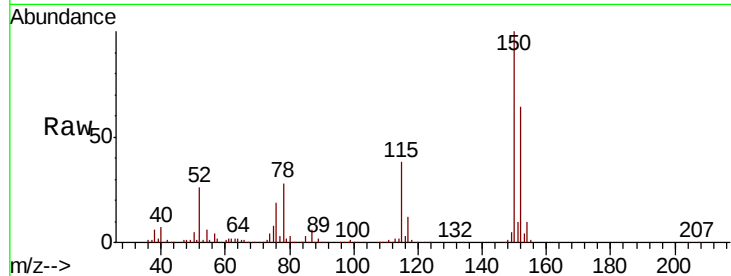
Tgt Ion:152 Resp: 78014

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

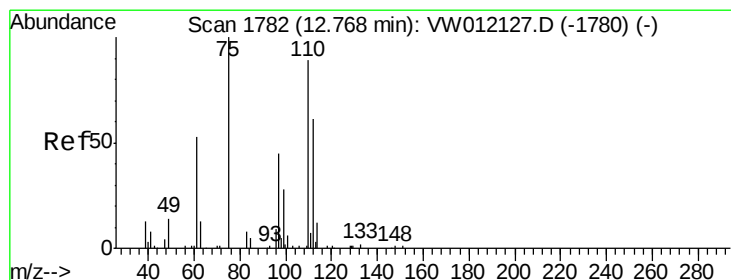
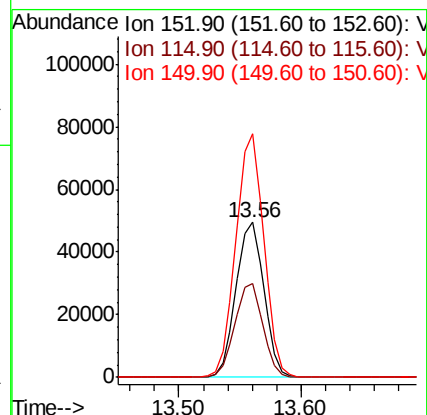
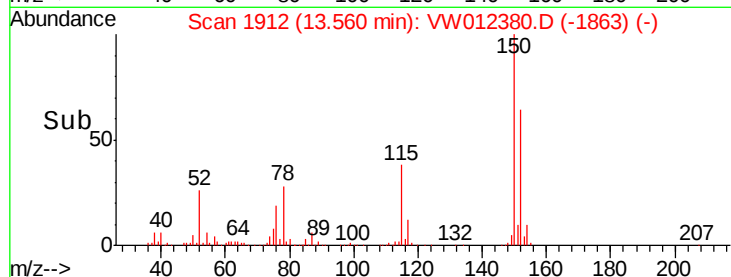
150 157.4 0.0 345.8



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: 75.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012380.D

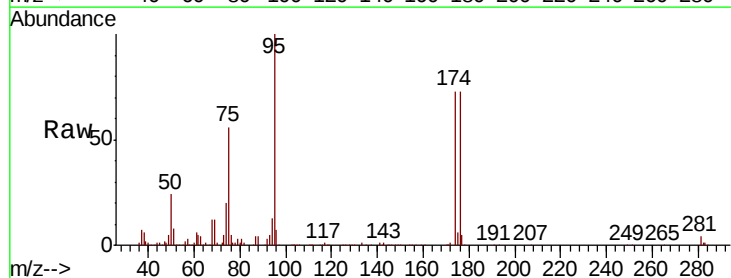
Acq: 31 Aug 2019 05:30

Tgt Ion: 75 Resp: 57530

Ion Ratio Lower Upper

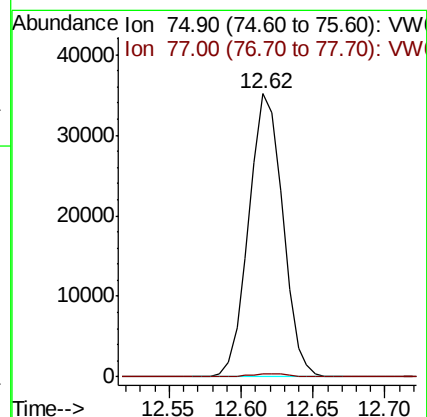
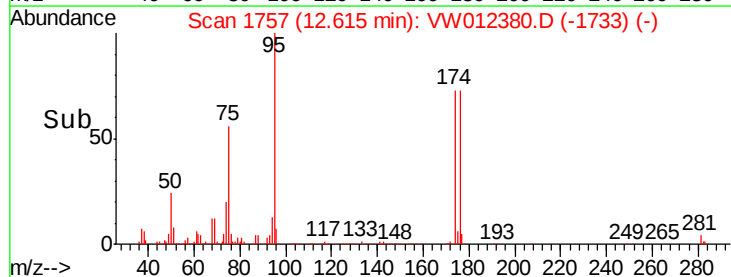
75 100

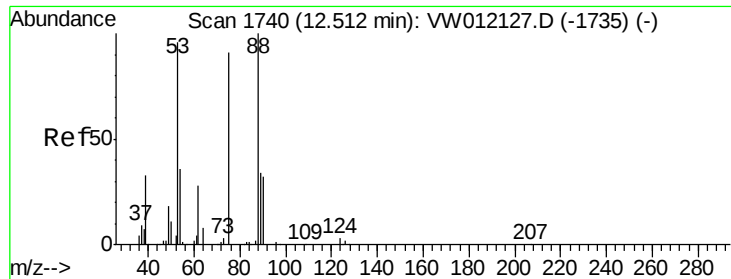
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 166.013 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

Instrument :

MSVOA_W

ClientSampleId :

T2-S-A1-(0)

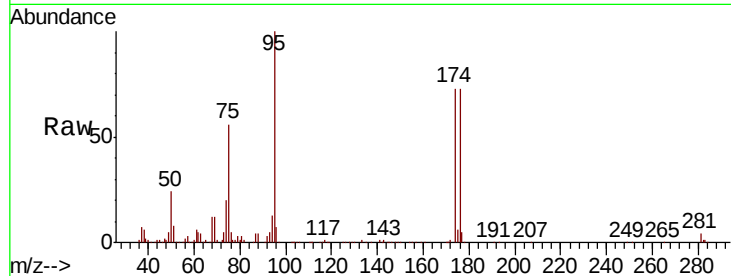
Tgt Ion: 75 Resp: 57530

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

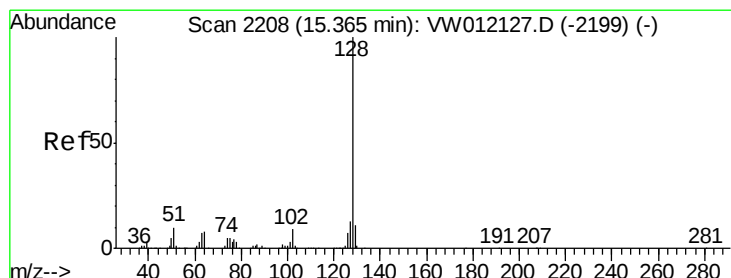
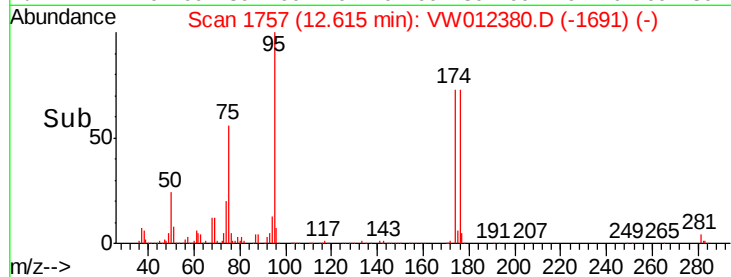
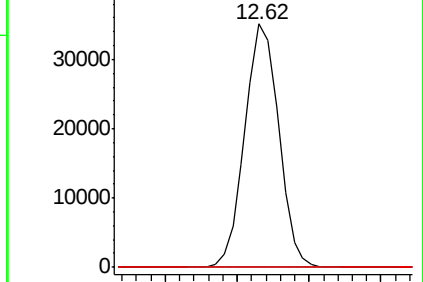
89 0.1 34.5 51.7#



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: 4.332 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012380.D

Acq: 31 Aug 2019 05:30

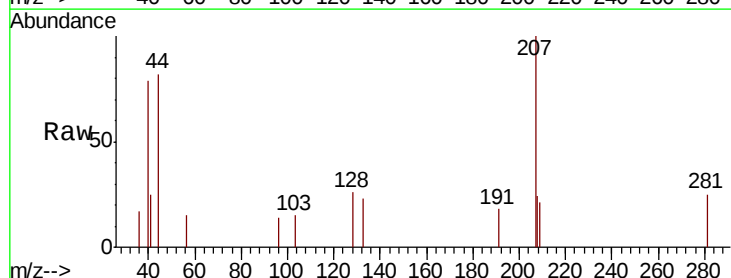
Tgt Ion: 128 Resp: 35

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

