

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011723.D
 Acq On : 05 Aug 2019 21:15
 Operator : SY/VA
 Sample : K4154-07
 Misc : 4.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-7

Quant Time: Aug 06 08:06:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113149	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134048	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	7.88	113	105650	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
50) Toluene-d8	10.32	98	415408	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.62	95	134581	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

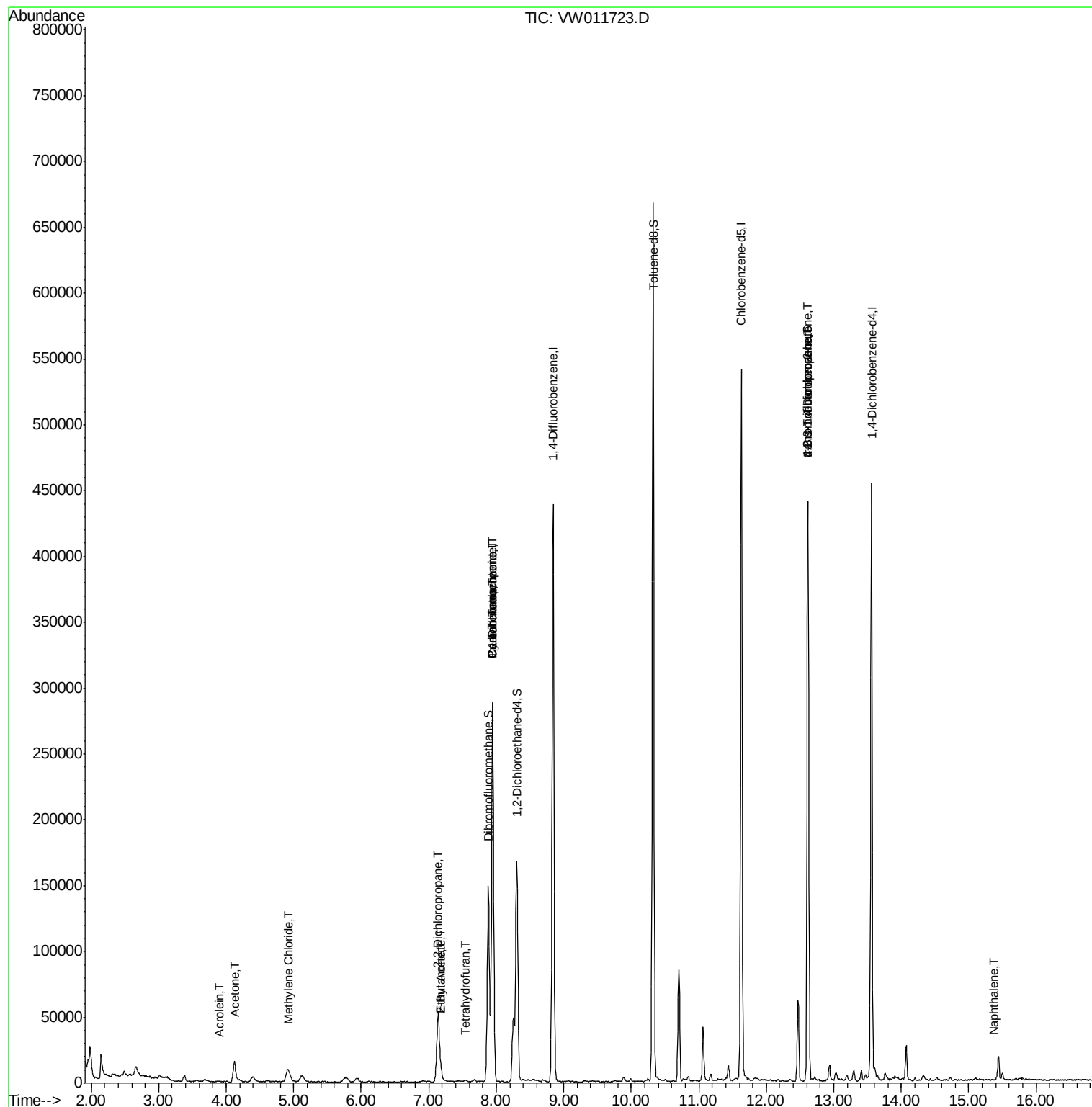
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	2425	Below Cal	#	74
13) Acrolein	3.89	56	279	1.640	ug/l #	78
16) Acetone	4.12	43	28130	37.310	ug/l	99
20) Methylene Chloride	4.92	84	7062	2.716	ug/l	98
25) 2-Butanone	7.18	43	14335	14.530	ug/l #	89
26) 2,2-Dichloropropane	7.14	77	3592	1.265	ug/l #	54
29) Tetrahydrofuran	7.54	42	1147	2.034	ug/l #	77
31) Cyclohexane	7.95	56	5256	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17693	5.031	ug/l #	52
37) Ethyl Acetate	7.18	43	14335	7.085	ug/l #	73
38) Carbon Tetrachloride	7.95	117	20404	6.778	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	71040	59.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71040	136.749	ug/l #	6
95) Naphthalene	15.37	128	188	2.106	ug/l #	69

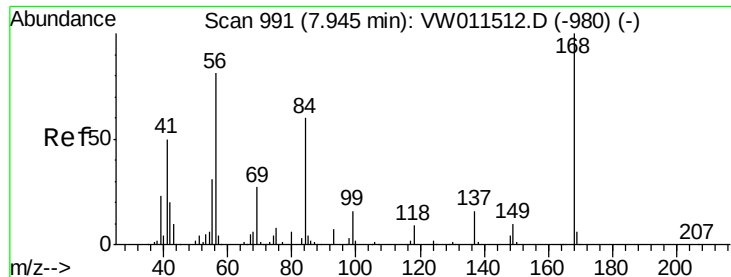
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
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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: VW011723.D

Acq: 05 Aug 2019 21:15

Instrument :

MSVOA_W

ClientSampled :

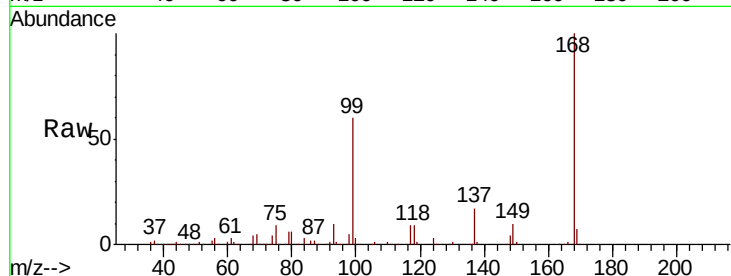
PS-7

Tgt Ion: 168 Resp: 206415

Ion Ratio Lower Upper

168 100

99 59.7 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

100000

80000

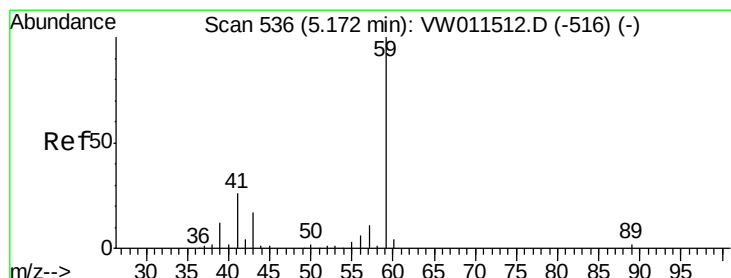
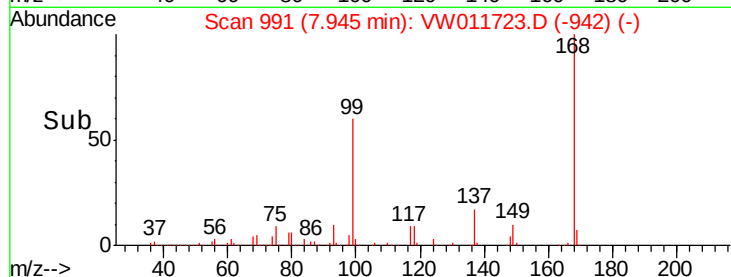
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011723.D

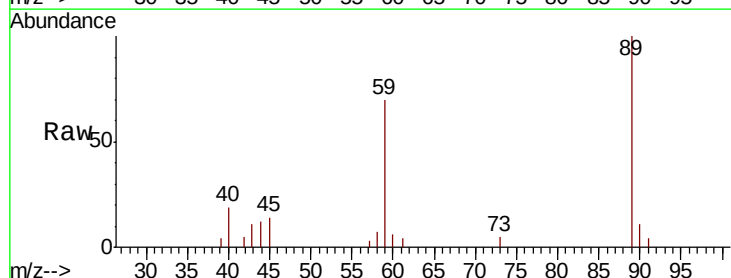
Acq: 05 Aug 2019 21:15

Tgt Ion: 59 Resp: 2425

Ion Ratio Lower Upper

59 100

57 0.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

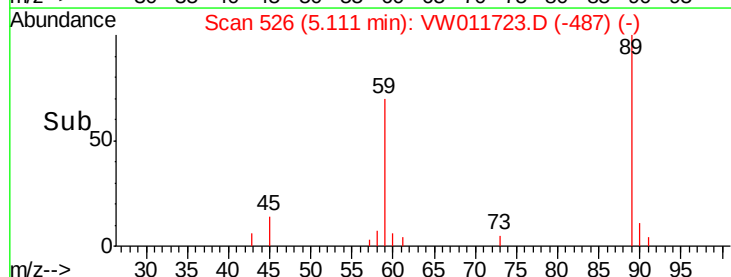
1500

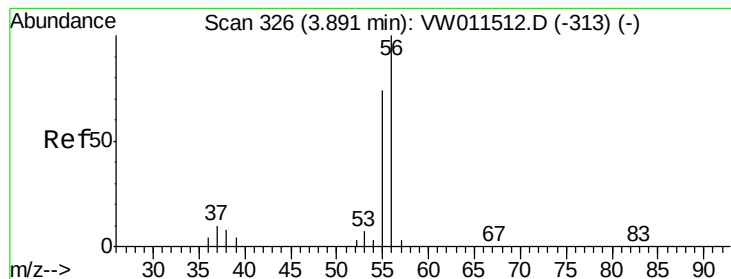
1000

500

0

Time--> 5.05 5.10





#13

Acrolein

Concen: 1.640 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011723.D

Acq: 05 Aug 2019 21:15

Instrument :

MSVOA_W

ClientSampled :

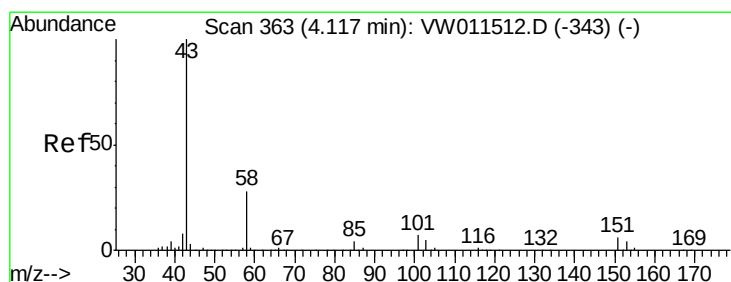
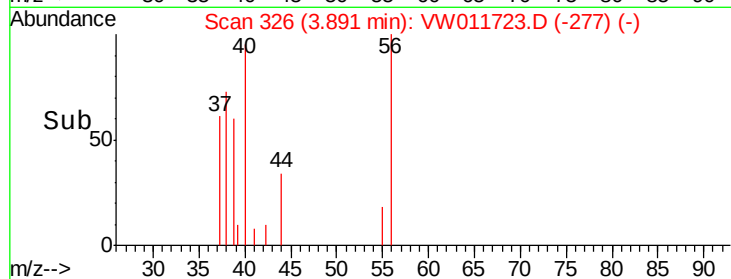
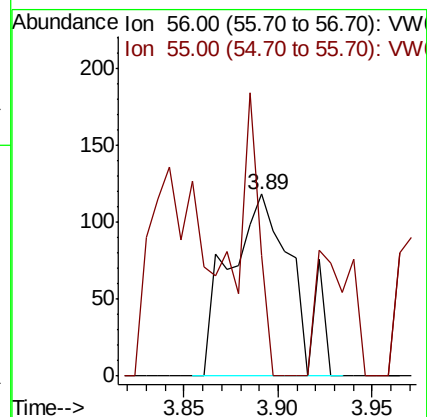
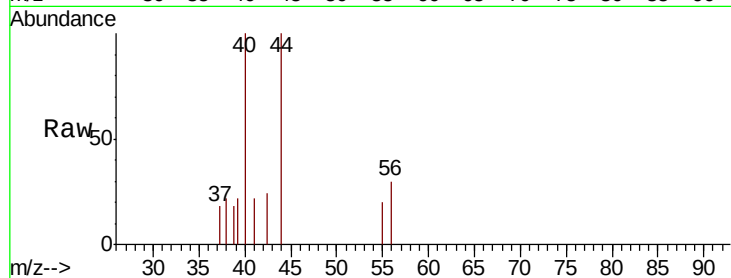
PS-7

Tgt Ion: 56 Resp: 279

Ion Ratio Lower Upper

56 100

55 52.0 56.0 84.0#



#16

Acetone

Concen: 37.310 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011723.D

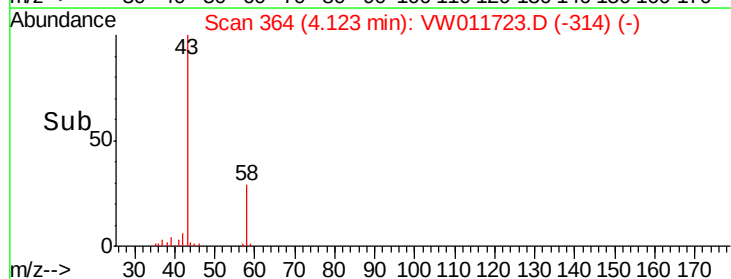
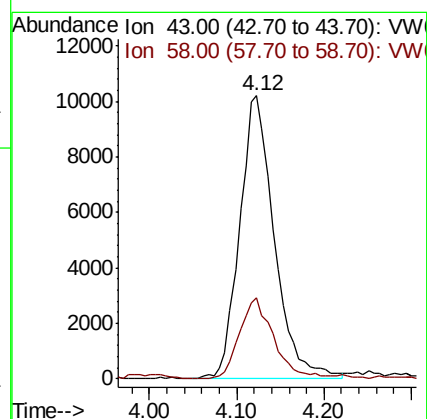
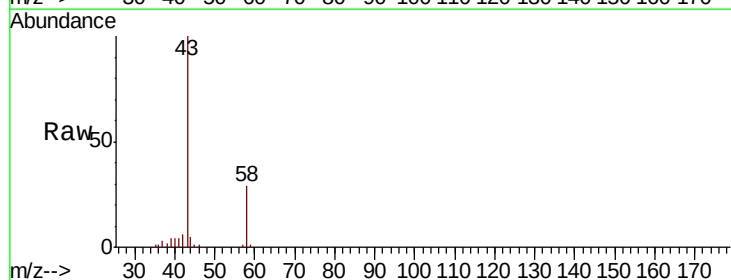
Acq: 05 Aug 2019 21:15

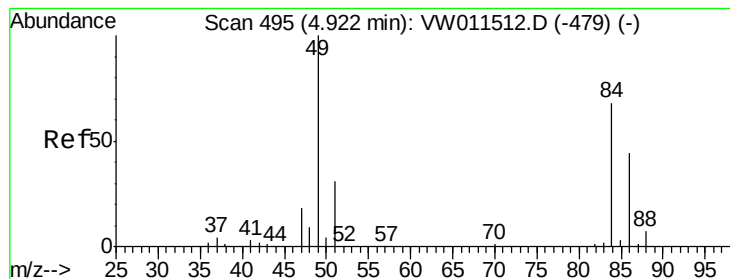
Tgt Ion: 43 Resp: 28130

Ion Ratio Lower Upper

43 100

58 28.5 22.3 33.5





#20

Methylene Chloride

Concen: 2.716 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011723.D

Acq: 05 Aug 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

PS-7

Tgt Ion: 84 Resp: 7062

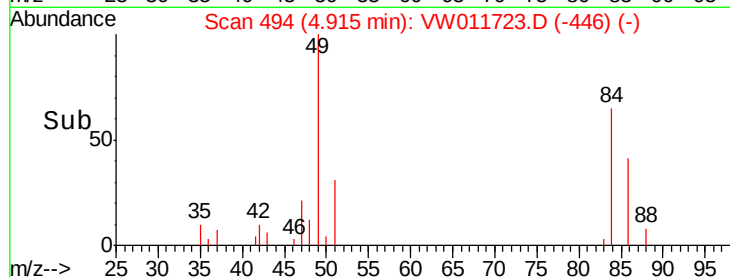
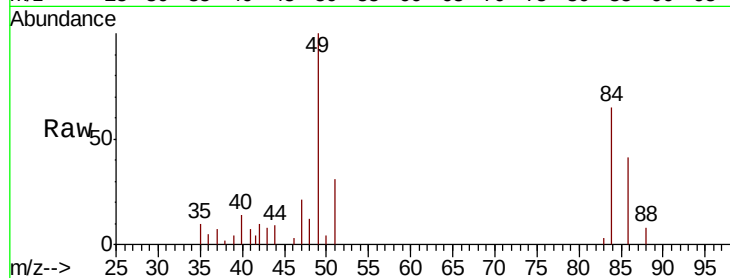
Ion Ratio Lower Upper

84 100

49 150.5 117.8 176.6

51 47.3 37.0 55.4

86 62.8 51.8 77.8

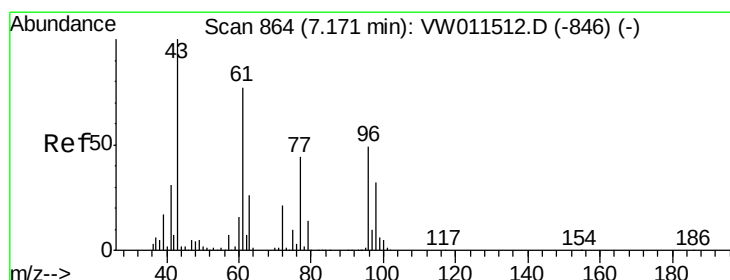
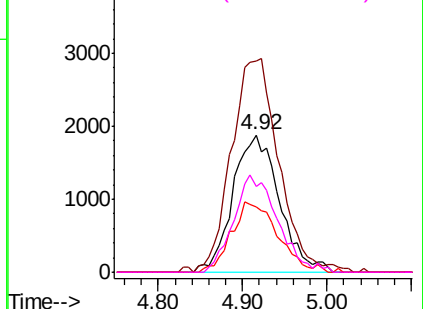


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 14.530 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011723.D

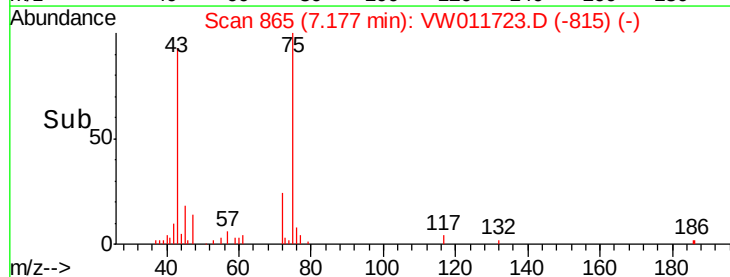
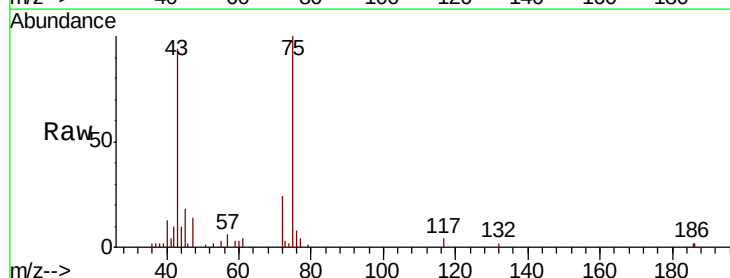
Acq: 05 Aug 2019 21:15

Tgt Ion: 43 Resp: 14335

Ion Ratio Lower Upper

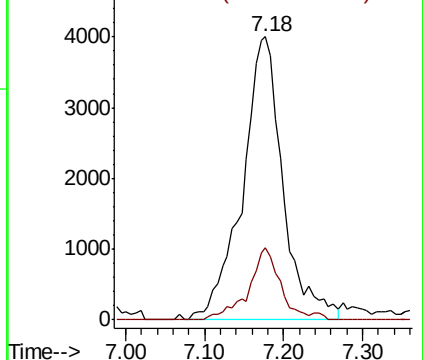
43 100

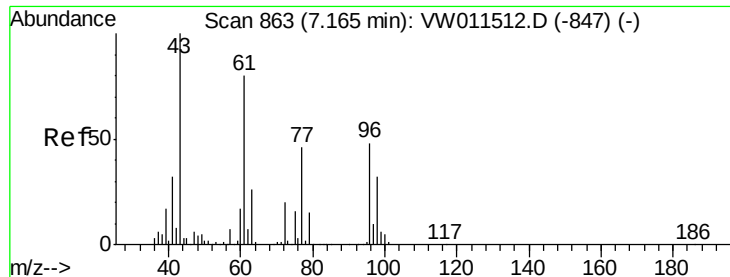
72 25.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

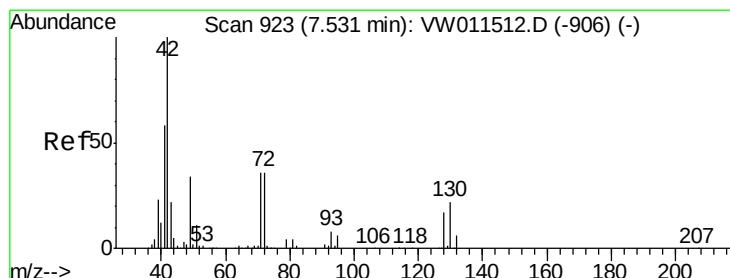
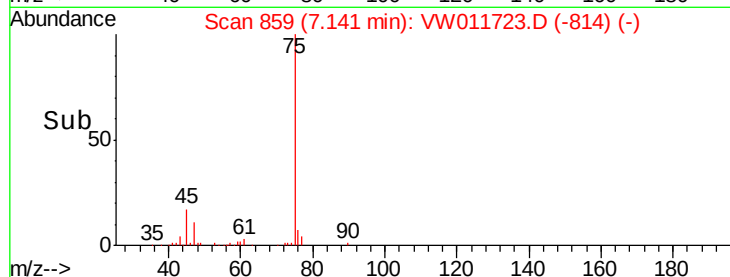
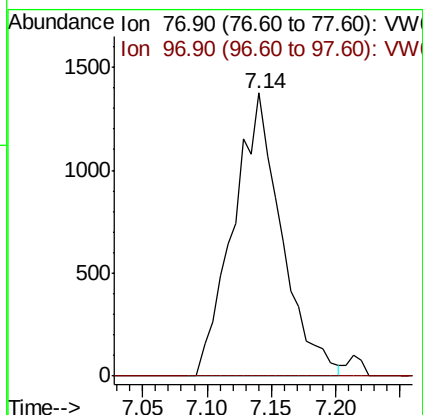
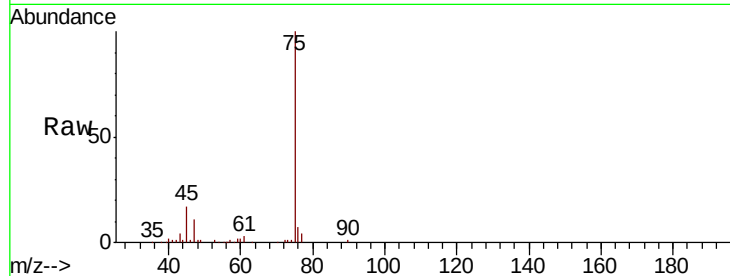




#26
 2,2-Dichloropropane
 Concen: 1.265 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW011723.D
 Acq: 05 Aug 2019 21:15

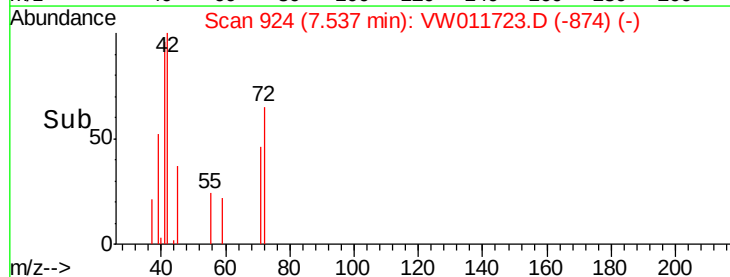
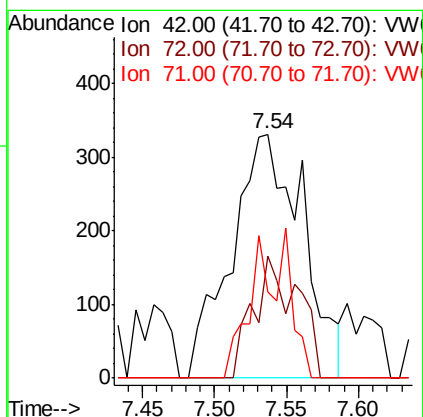
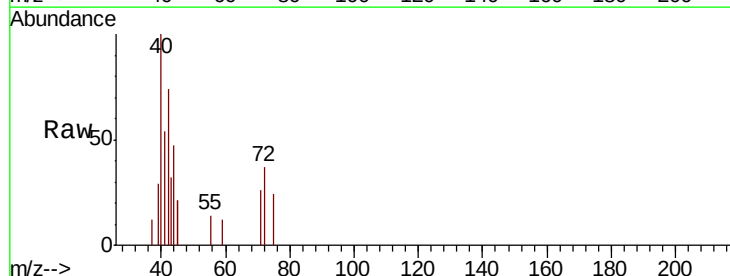
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-7

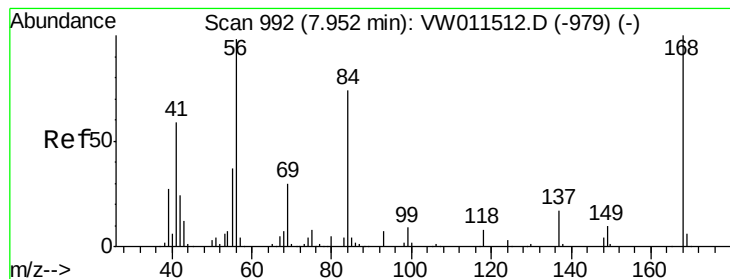
Tgt Ion: 77 Resp: 3592
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#



#29
 Tetrahydrofuran
 Concen: 2.034 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW011723.D
 Acq: 05 Aug 2019 21:15

Tgt Ion: 42 Resp: 1147
 Ion Ratio Lower Upper
 42 100
 72 20.3 27.1 40.7#
 71 19.7 26.2 39.4#





#31

Cyclohexane

Concen: 1.186 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011723.D

Acq: 05 Aug 2019 21:15

Instrument :

MSVOA_W

ClientSampled :

PS-7

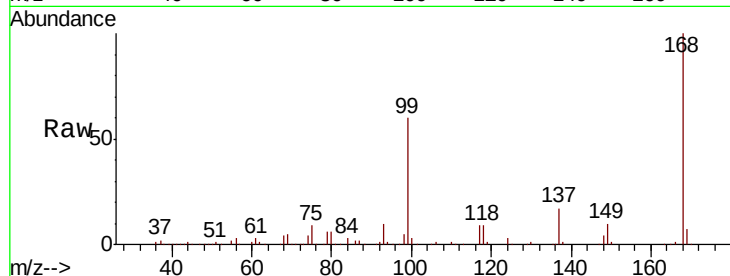
Tgt Ion: 56 Resp: 5256

Ion Ratio Lower Upper

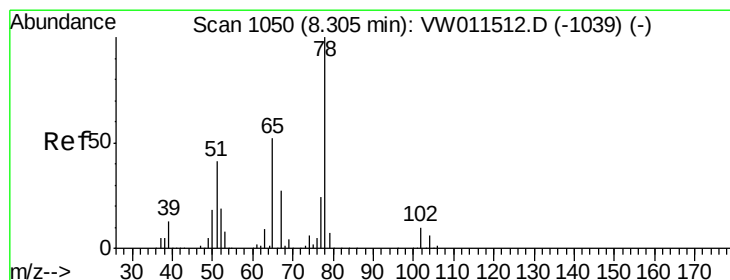
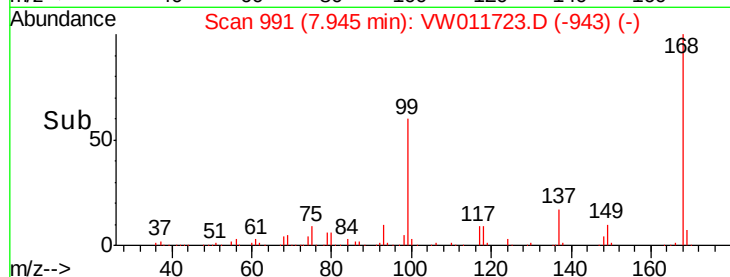
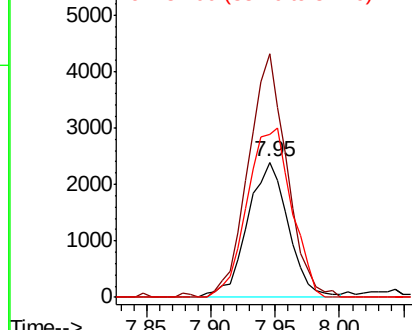
56 100

69 180.6 24.3 36.5#

84 121.2 60.4 90.6#



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: 56.555 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011723.D

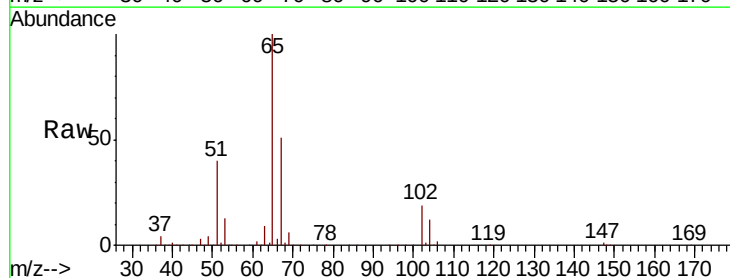
Acq: 05 Aug 2019 21:15

Tgt Ion: 65 Resp: 134048

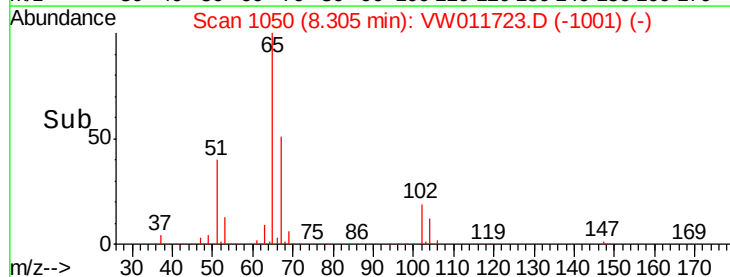
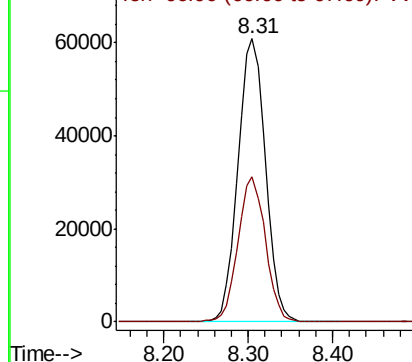
Ion Ratio Lower Upper

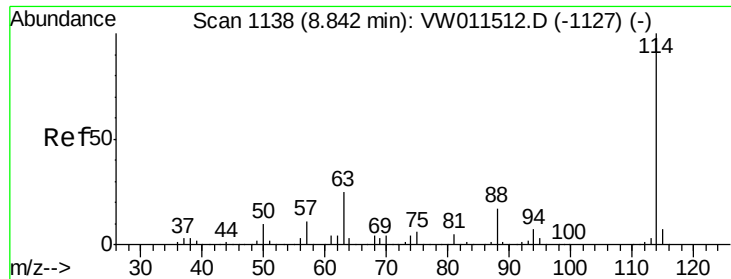
65 100

67 51.1 0.0 105.2



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

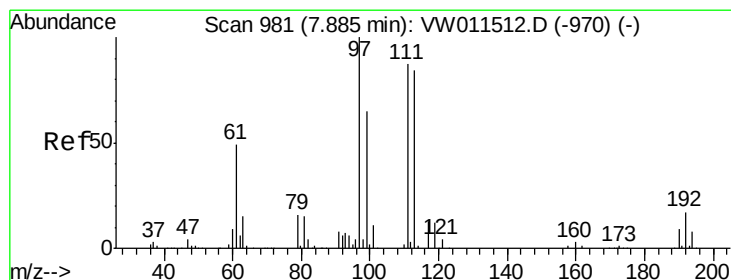
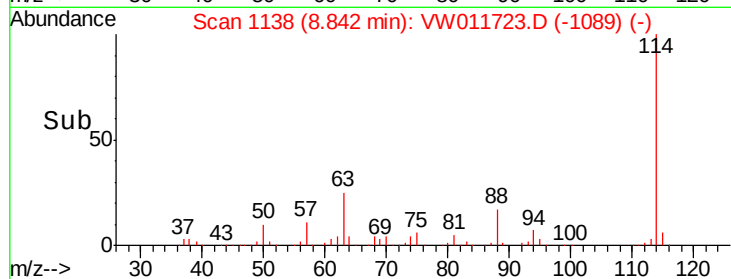
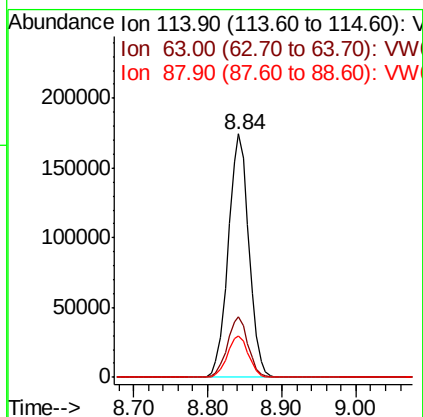
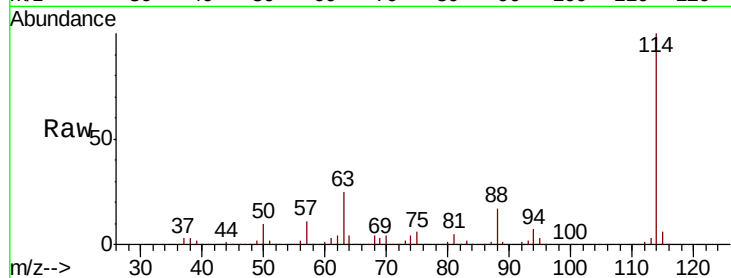




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011723.D
 Acq: 05 Aug 2019 21:15

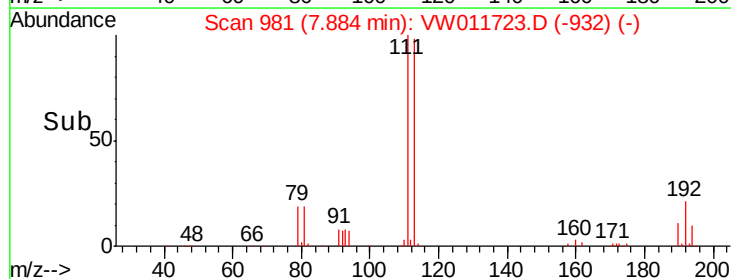
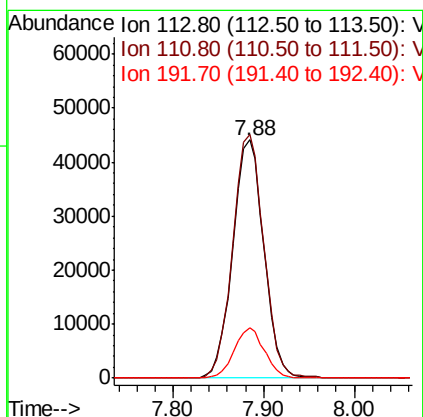
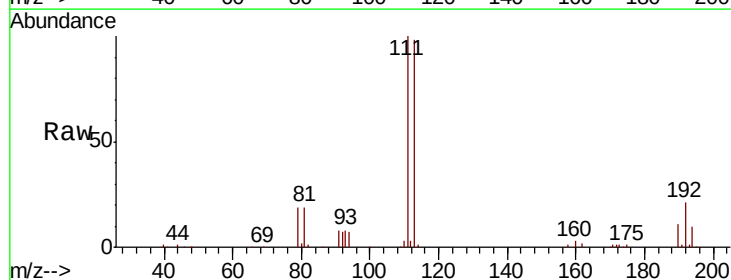
Instrument :
 MSVOA_W
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 PS-7

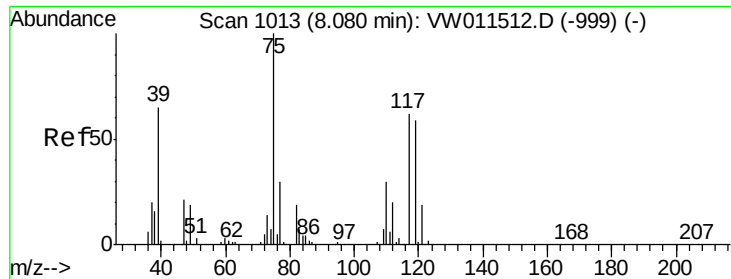
Tgt Ion:	114	Resp:	338194
Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	49.2
88	16.7	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 55.684 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011723.D
 Acq: 05 Aug 2019 21:15

Tgt Ion:	113	Resp:	105650
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.7	124.1
192	20.3	16.1	24.1

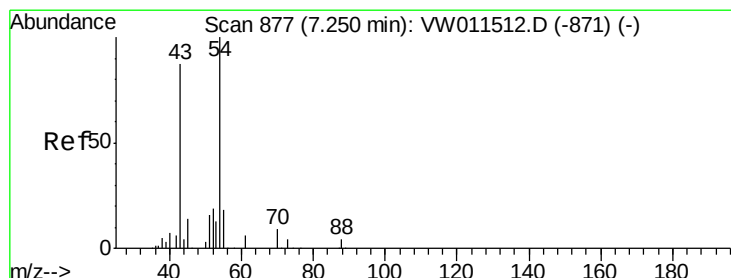
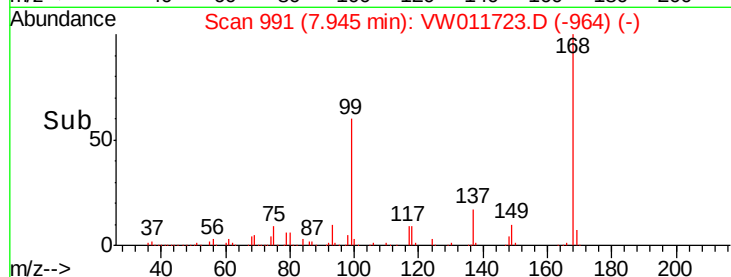
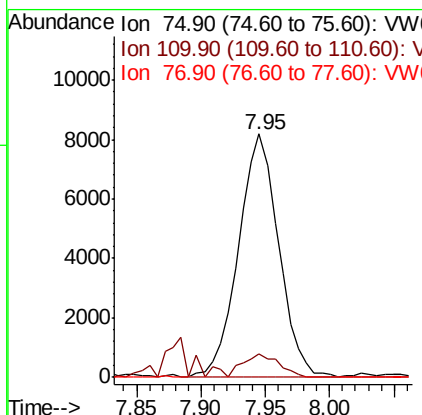
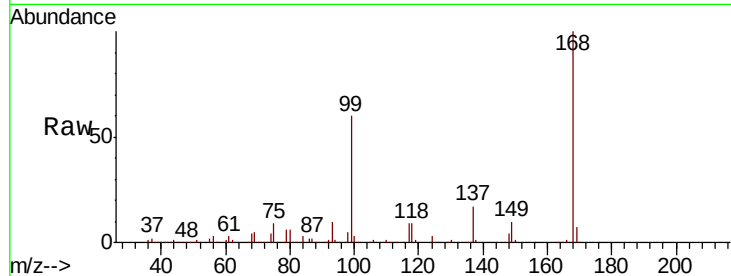




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011723.D
 Acq: 05 Aug 2019 21:15

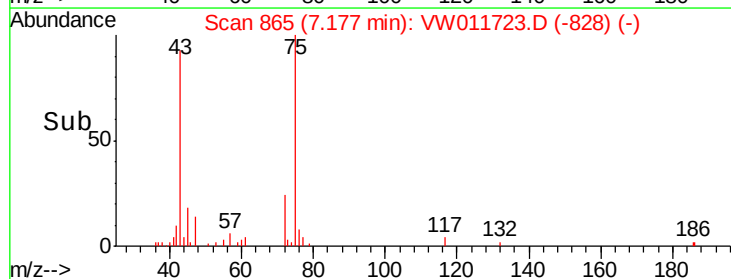
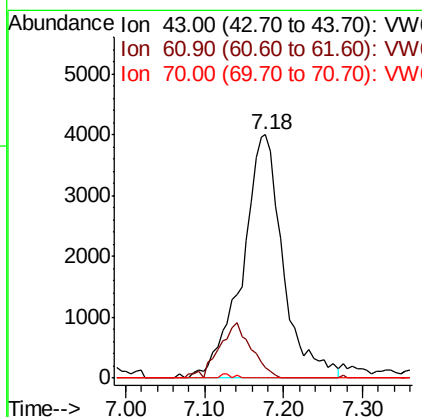
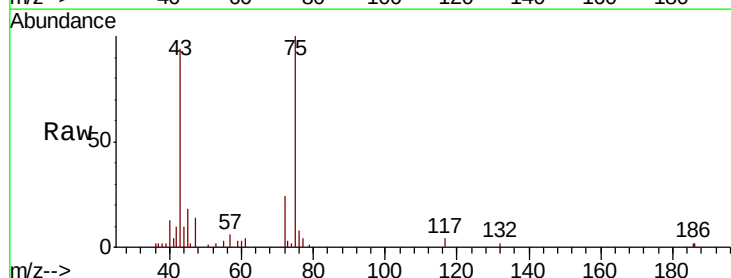
Instrument :
 MSVOA_W
 ClientSampled :
 PS-7

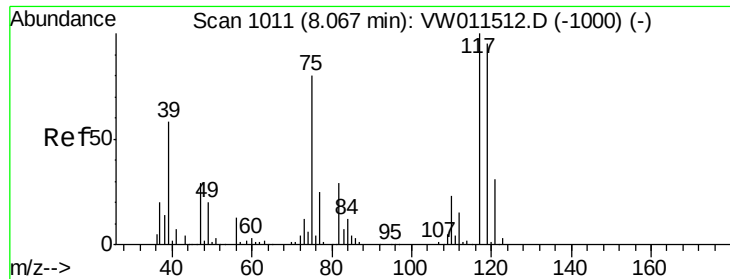
Tgt Ion: 75 Resp: 17693
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 7.085 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011723.D
 Acq: 05 Aug 2019 21:15

Tgt Ion: 43 Resp: 14335
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.8 13.2#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011723.D

Acq: 05 Aug 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

PS-7

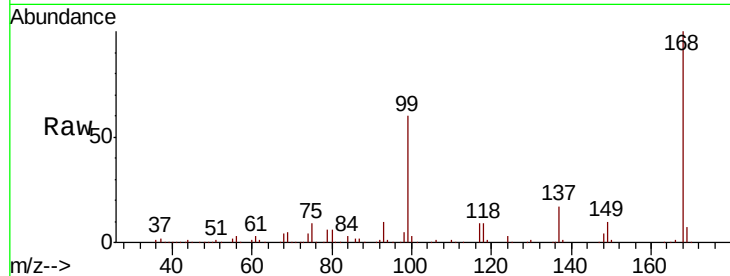
Tgt Ion:117 Resp: 20404

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.6#

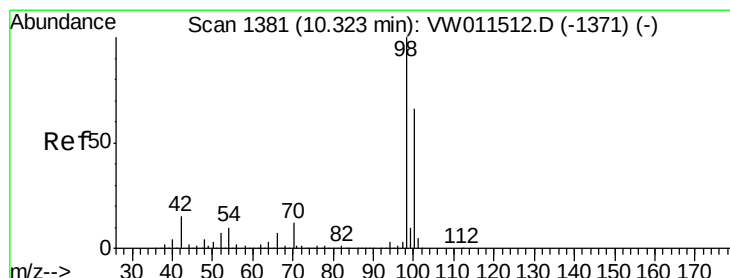
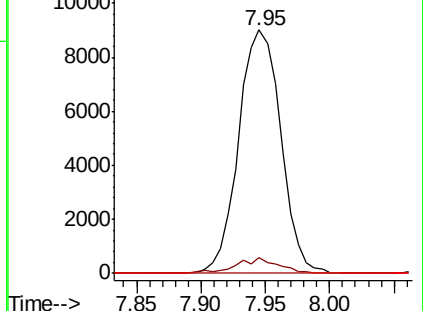
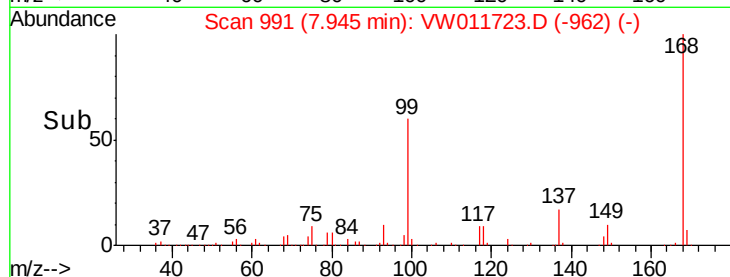
121 0.0 24.7 37.1#



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: 53.475 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011723.D

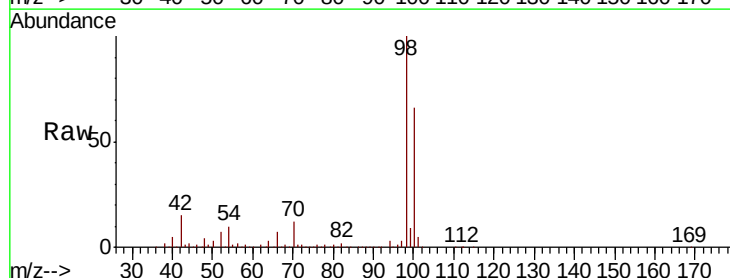
Acq: 05 Aug 2019 21:15

Tgt Ion: 98 Resp: 415408

Ion Ratio Lower Upper

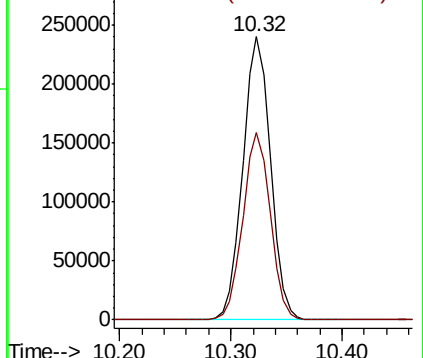
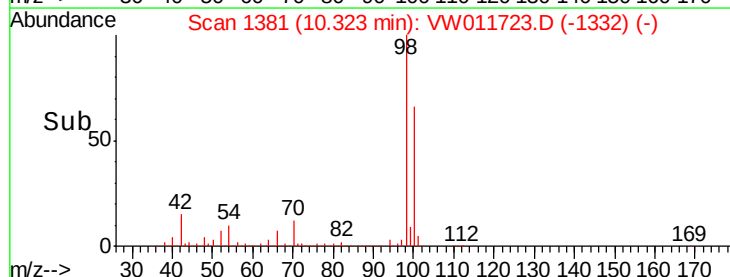
98 100

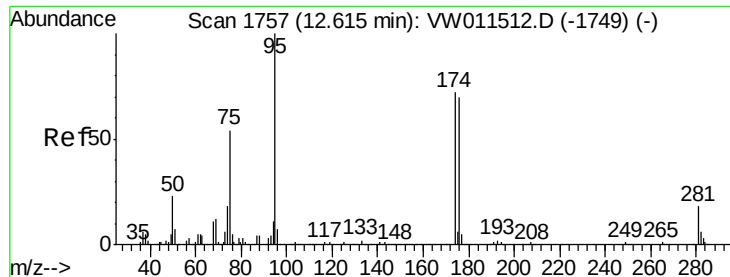
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

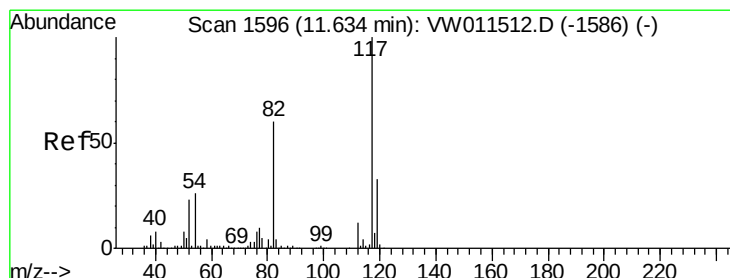
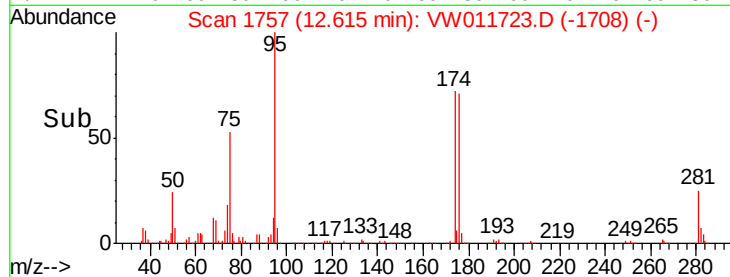
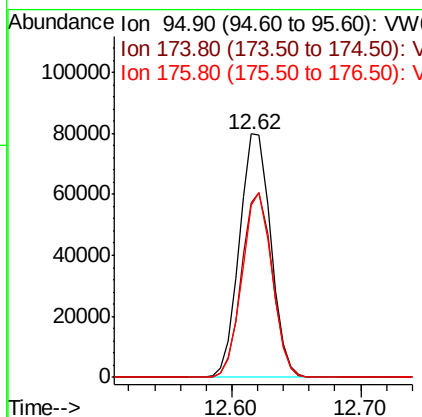
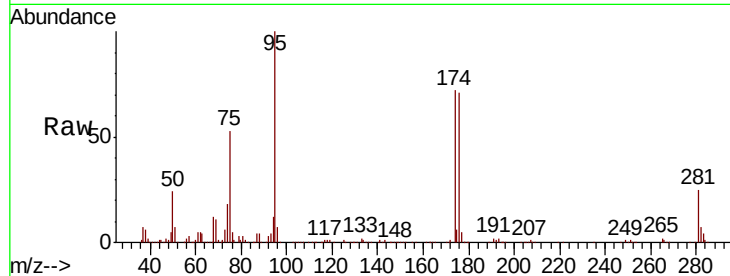




#62
4-Bromofluorobenzene
Concen: 48.594 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011723.D
Acq: 05 Aug 2019 21:15

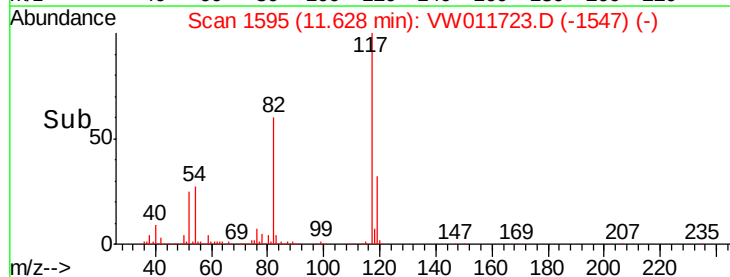
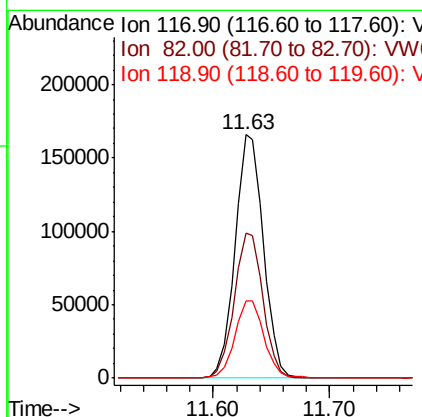
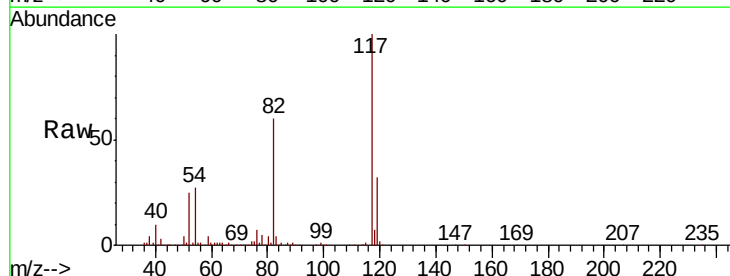
Instrument :
MSVOA_W
ClientSampleId :
PS-7

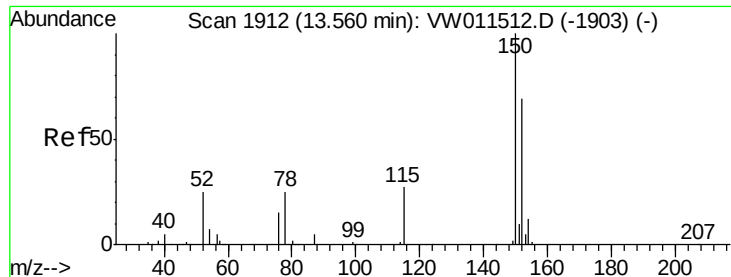
Tgt Ion: 95 Resp: 134581
Ion Ratio Lower Upper
95 100
174 74.2 0.0 150.2
176 72.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011723.D
Acq: 05 Aug 2019 21:15

Tgt Ion: 117 Resp: 281228
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 31.6 26.2 39.2



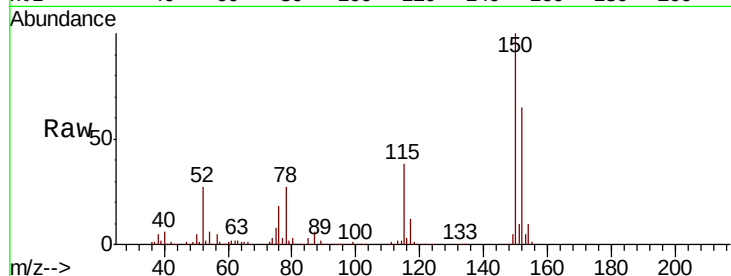


#72

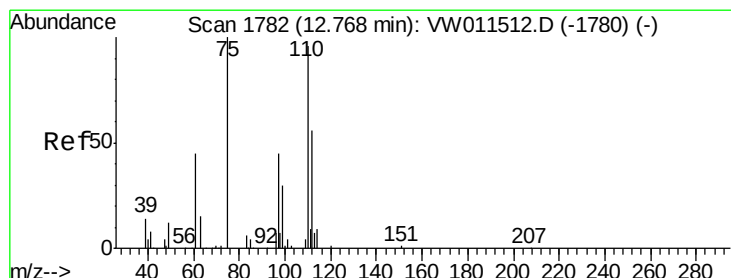
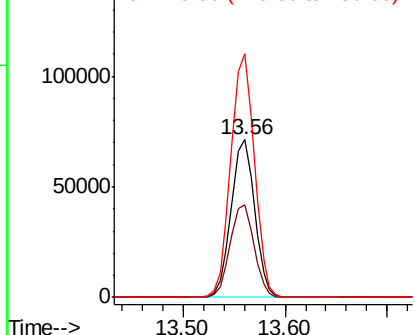
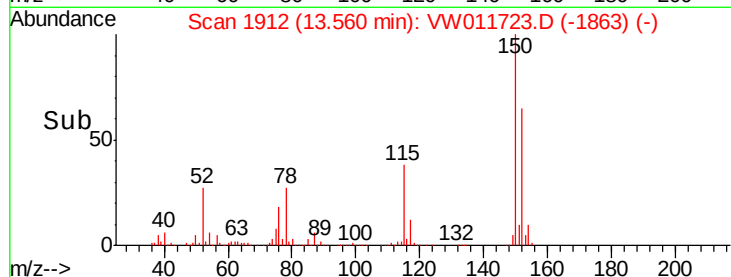
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011723.D
Acq: 05 Aug 2019 21:15

Instrument :
MSVOA_W
ClientSampled :
PS-7

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.5	91.5
150	155.5	0.0	352.6



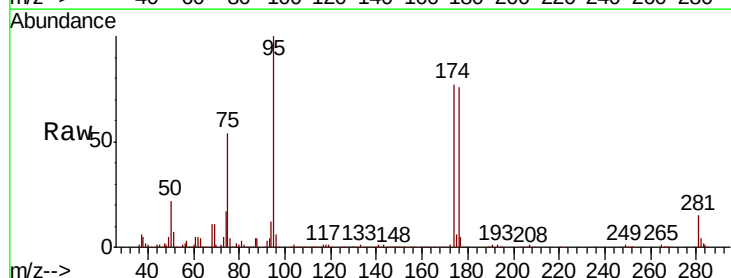
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



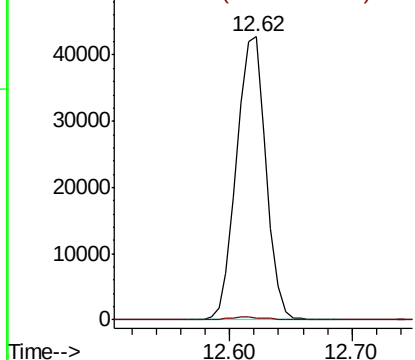
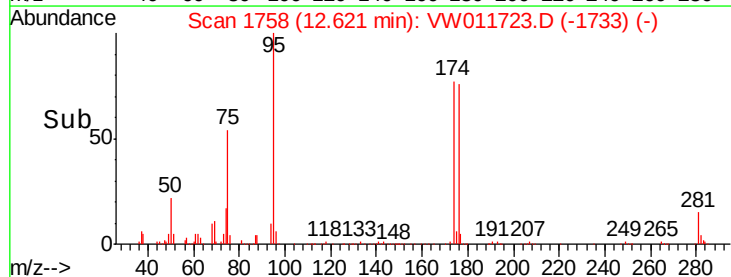
#76

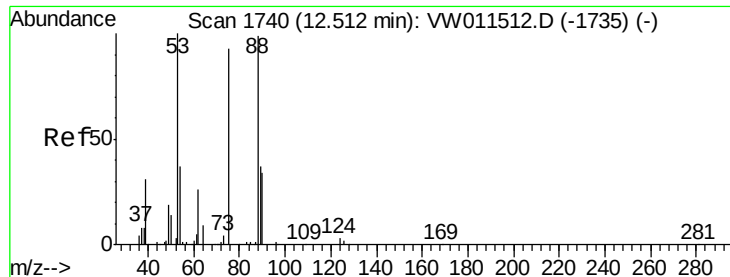
1,2,3-Trichloropropane
Concen: 59.336 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW011723.D
Acq: 05 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 136.749 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011723.D

Acq: 05 Aug 2019 21:15

Instrument :

MSVOA_W

ClientSampled :

PS-7

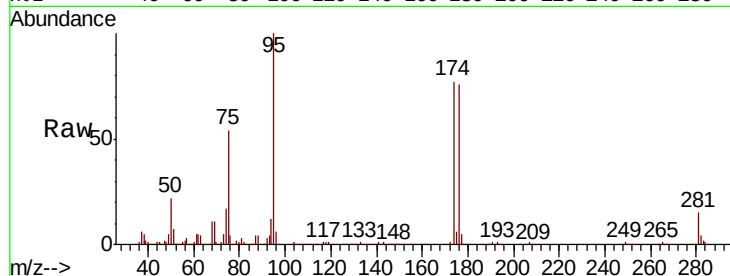
Tgt Ion: 75 Resp: 71040

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

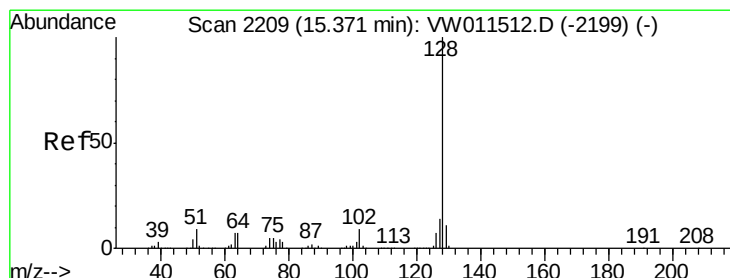
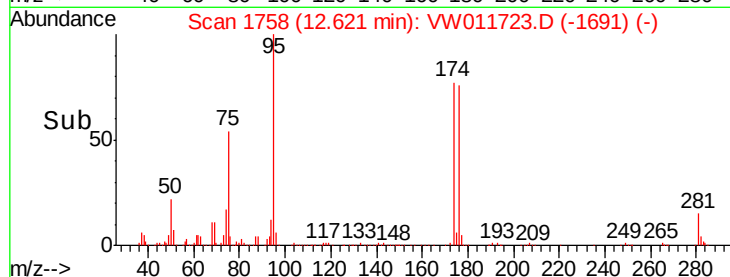
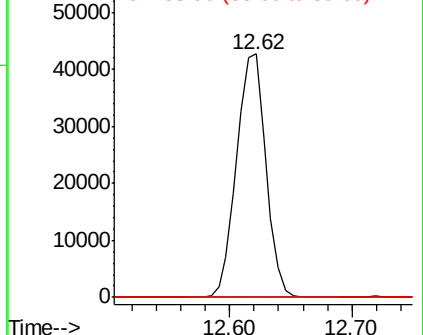
89 0.4 35.3 52.9#



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



#95

Naphthalene

Concen: 2.106 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011723.D

Acq: 05 Aug 2019 21:15

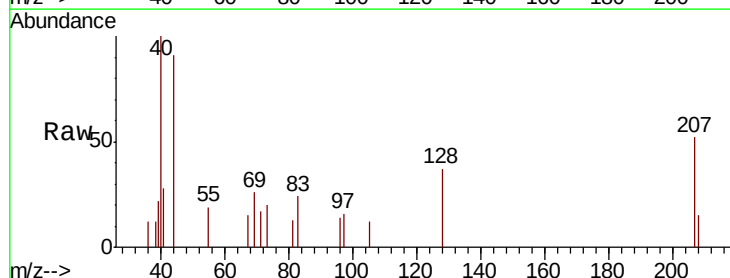
Tgt Ion: 128 Resp: 188

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

