

Data File : VW012777.D
Acq On : 08 Sep 2019 18:36
Operator : SY/VA
Sample : K4603-15
Misc : 3.79G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(0)

Quant Time: Sep 09 06:00:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	298527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	239223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112736	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.88	113	88443	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.32	98	353053	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	102985	40.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.60%	

Target Compounds

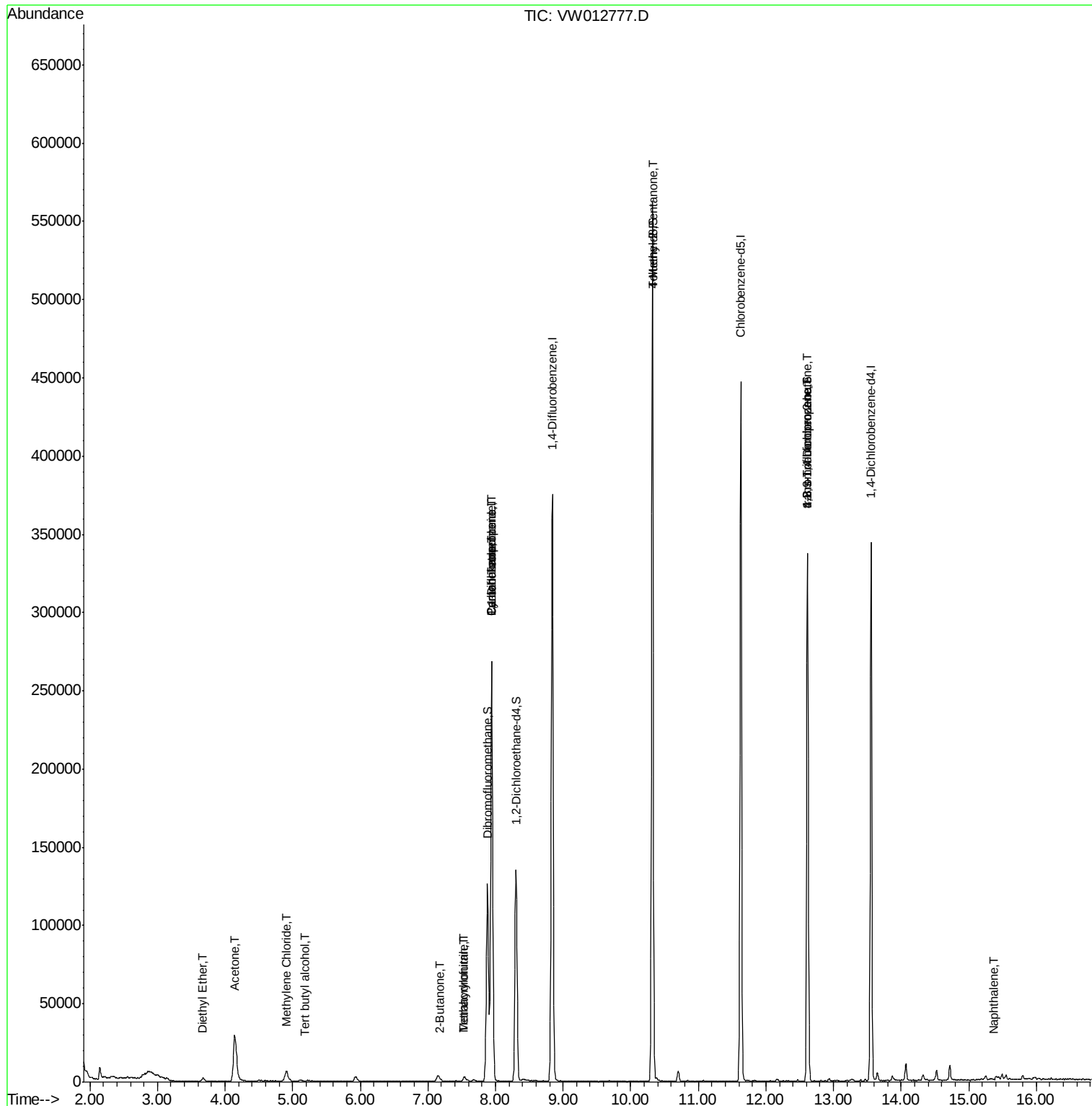
						Qvalue
8) Diethyl Ether	3.67	74	1251	1.359	ug/l	91
11) Tert butyl alcohol	5.18	59	173	1.030	ug/l #	72
16) Acetone	4.14	43	66704	111.439	ug/l	98
20) Methylene Chloride	4.90	84	4730	2.526	ug/l #	76
25) 2-Butanone	7.18	43	178	19.866	ug/l #	53
29) Tetrahydrofuran	7.52	42	1219	2.522	ug/l #	33
31) Cyclohexane	7.95	56	4335	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	15511	5.848	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19450	7.439	ug/l #	17
41) Methacrylonitrile	7.53	41	1819	5.300	ug/l #	50
51) 4-Methyl-2-Pentanone	10.32	43	1933	1.150	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	55624	60.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55624	128.582	ug/l #	7
95) Naphthalene	15.38	128	312	4.515	ug/l #	69

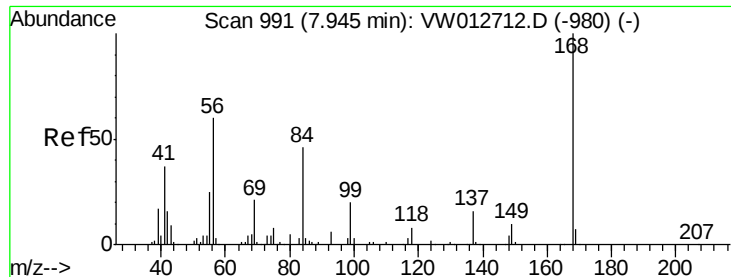
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

Instrument :

MSVOA_W

ClientSampled :

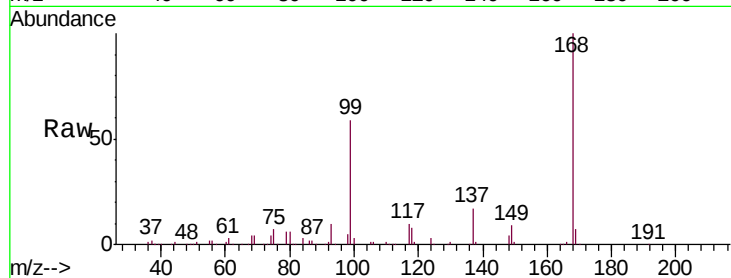
PAR-12-F4-(0)

Tgt Ion: 168 Resp: 196506

Ion Ratio Lower Upper

168 100

99 59.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

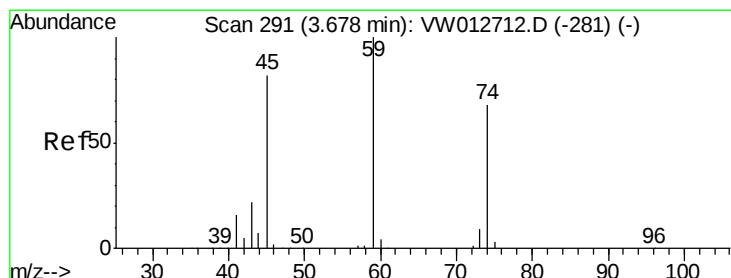
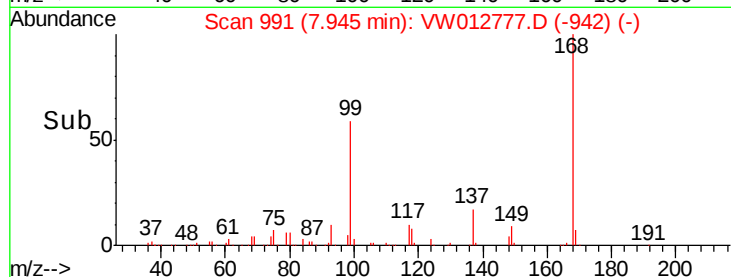
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.359 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012777.D

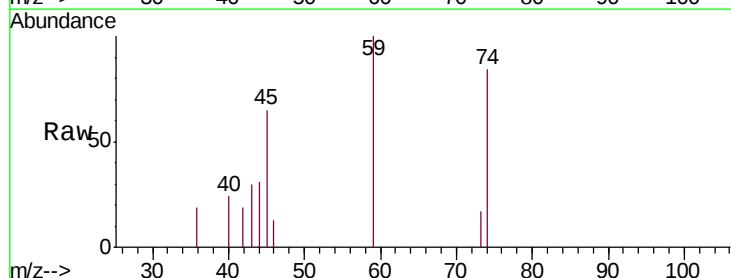
Acq: 08 Sep 2019 18:36

Tgt Ion: 74 Resp: 1251

Ion Ratio Lower Upper

74 100

45 107.7 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

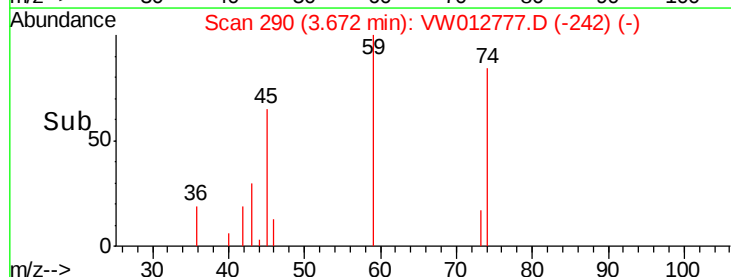
600

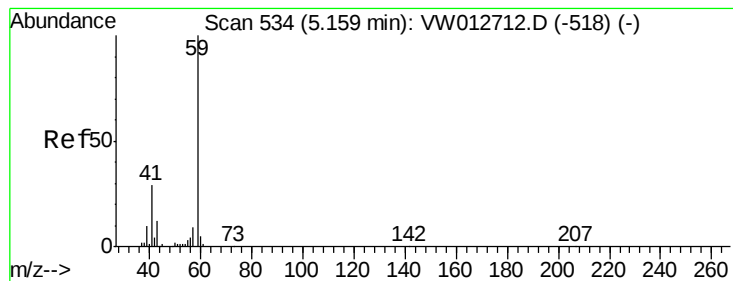
400

200

0

Time--> 3.60 3.65 3.70 3.75



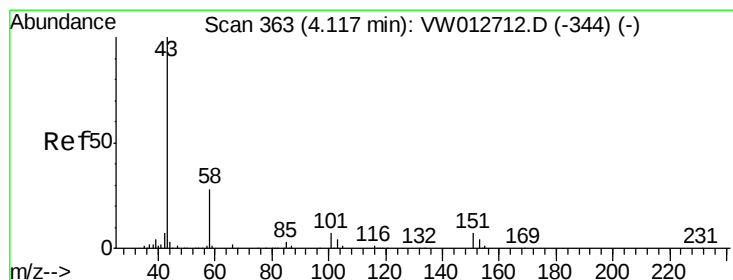
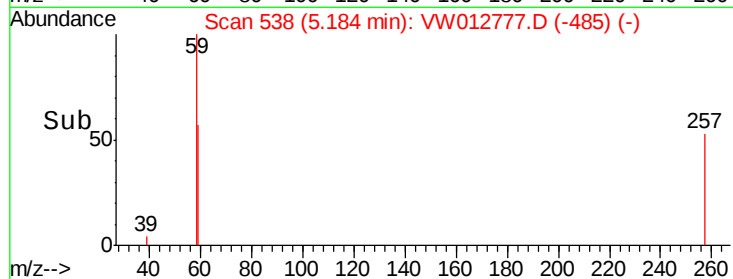
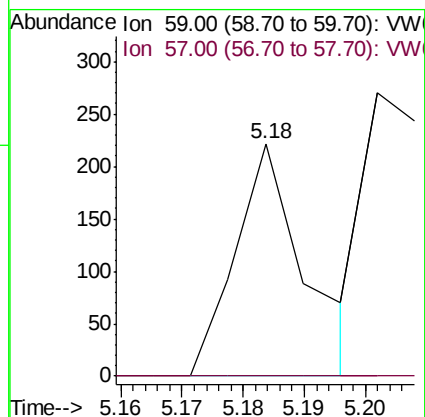
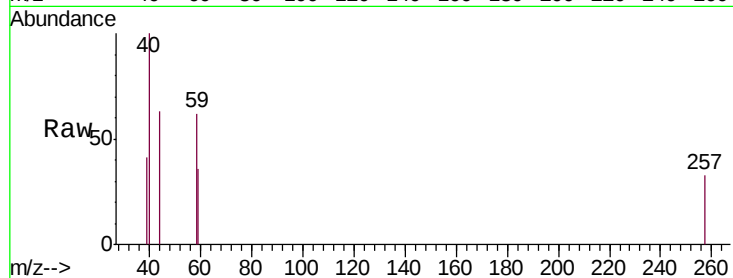


#11

Tert butyl alcohol
 Concen: 1.030 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW012777.D
 Acq: 08 Sep 2019 18:36

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F4-(0)

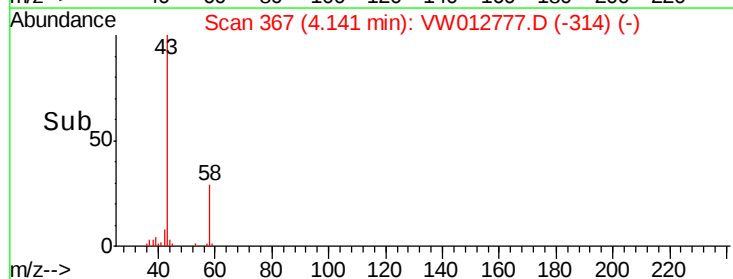
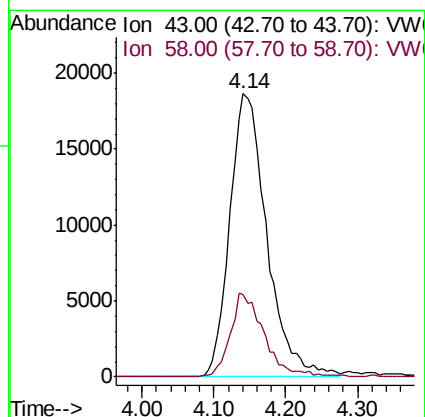
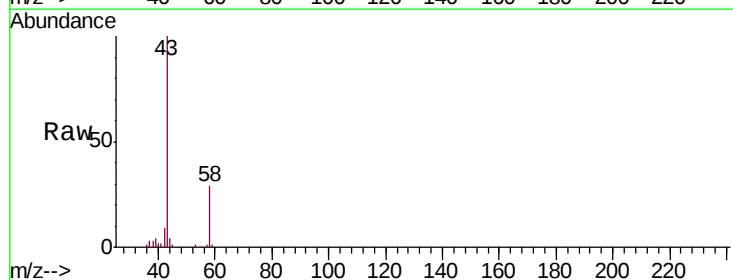
Tgt Ion: 59 Resp: 173
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

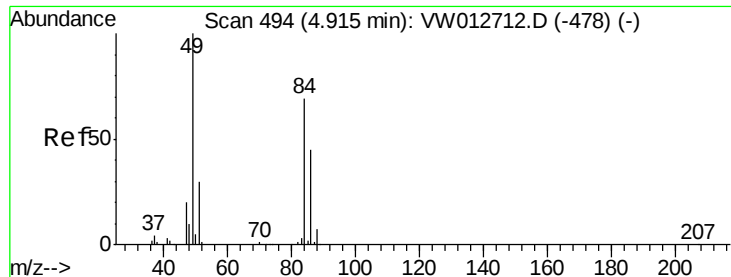


#16

Acetone
 Concen: 111.439 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012777.D
 Acq: 08 Sep 2019 18:36

Tgt Ion: 43 Resp: 66704
 Ion Ratio Lower Upper
 43 100
 58 29.0 22.6 33.8

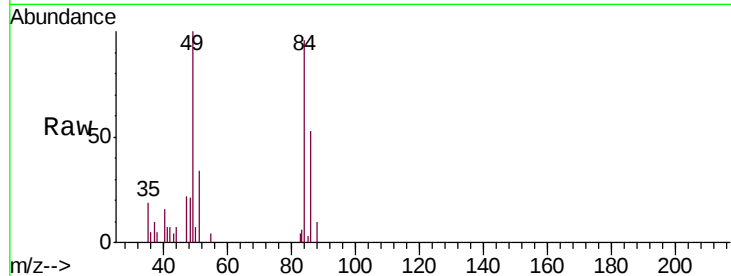




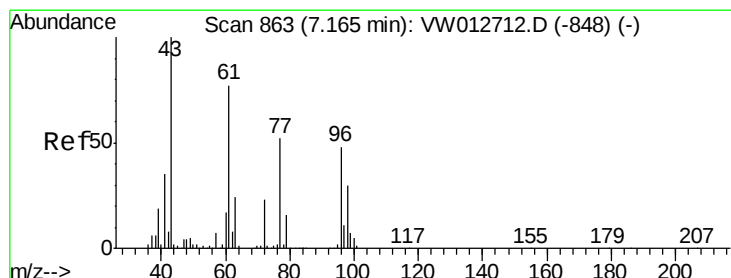
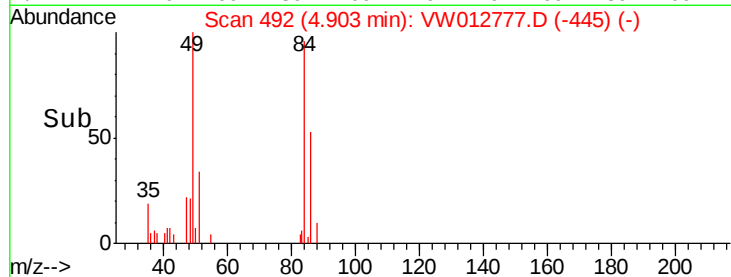
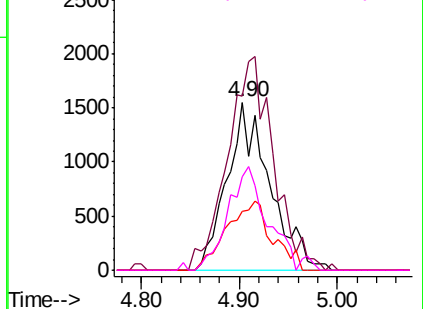
#20
Methylene Chloride
Concen: 2.526 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012777.D
Acq: 08 Sep 2019 18:36

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(0)

Tgt Ion: 84 Resp: 4730
Ion Ratio Lower Upper
84 100
49 103.9 115.4 173.0#
51 35.1 34.9 52.3
86 55.2 52.2 78.4

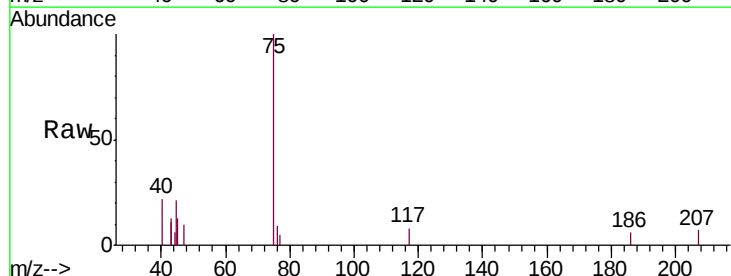


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

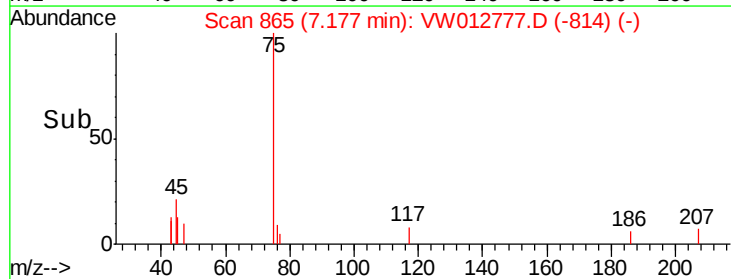
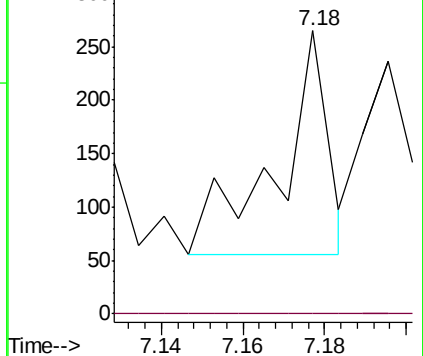


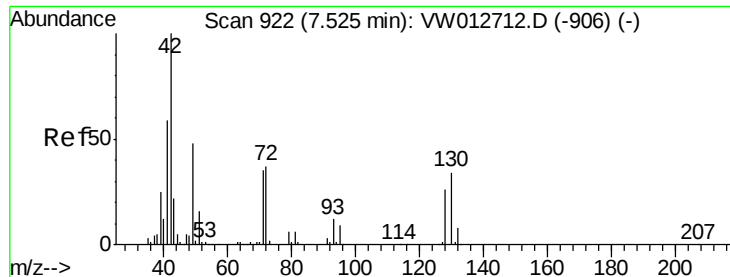
#25
2-Butanone
Concen: 19.866 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012777.D
Acq: 08 Sep 2019 18:36

Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

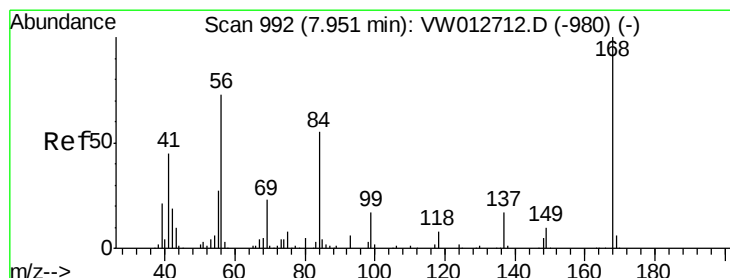
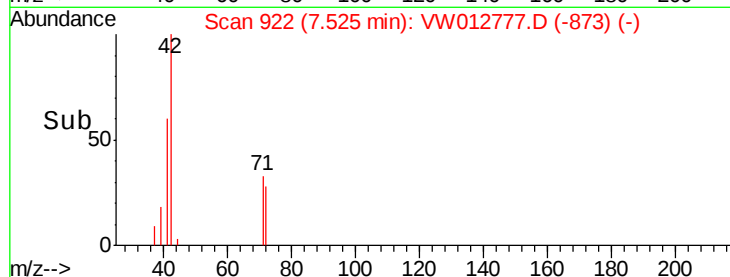
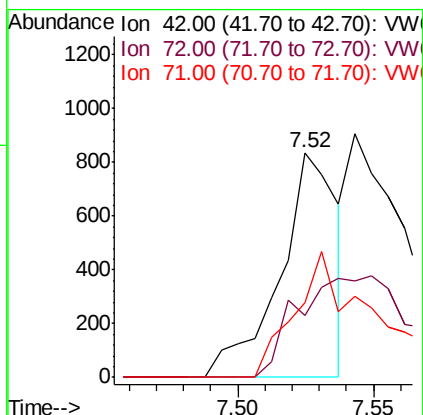
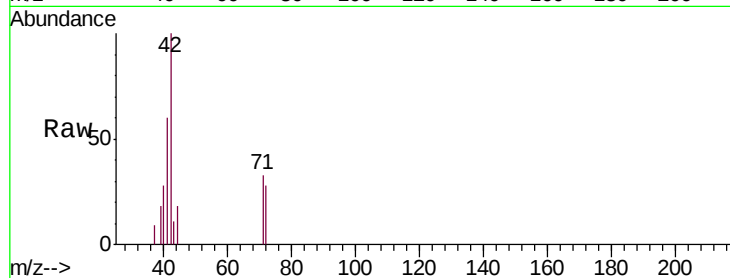




#29
Tetrahydrofuran
Concen: 2.522 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012777.D
Acq: 08 Sep 2019 18:36

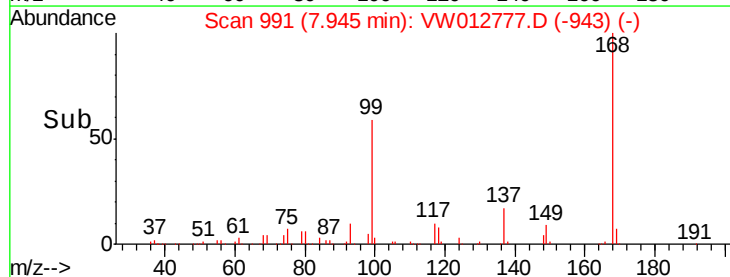
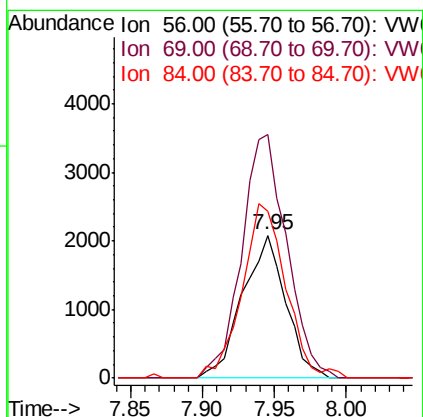
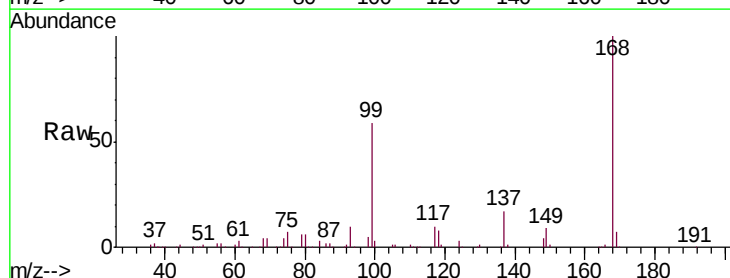
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F4-(0)

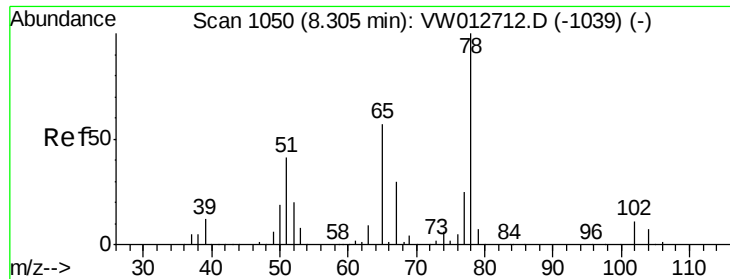
Tgt Ion: 42 Resp: 1219
Ion Ratio Lower Upper
42 100
72 0.0 28.4 42.6#
71 76.4 27.1 40.7#



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012777.D
Acq: 08 Sep 2019 18:36

Tgt Ion: 56 Resp: 4335
Ion Ratio Lower Upper
56 100
69 170.5 25.7 38.5#
84 116.6 60.4 90.6#

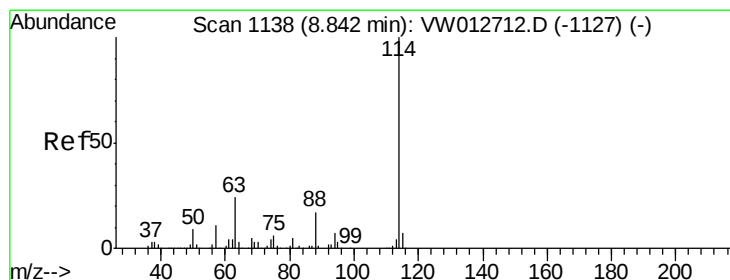
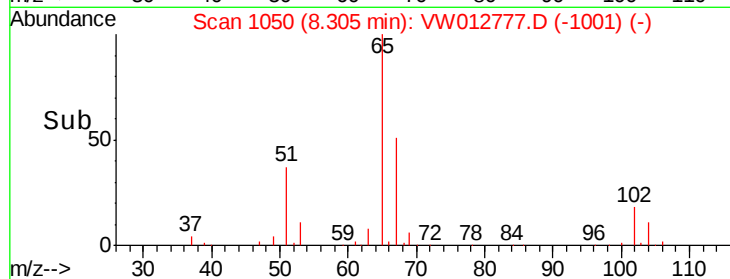
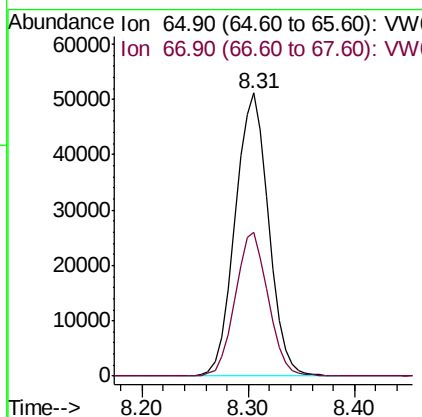
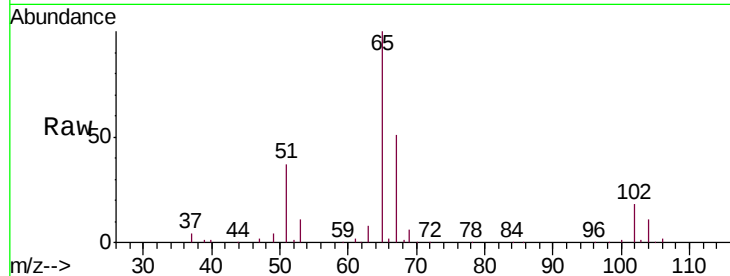




#33
 1,2-Dichloroethane-d4
 Concen: 51.346 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012777.D
 Acq: 08 Sep 2019 18:36

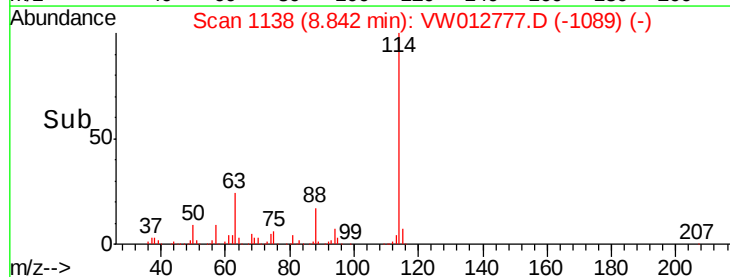
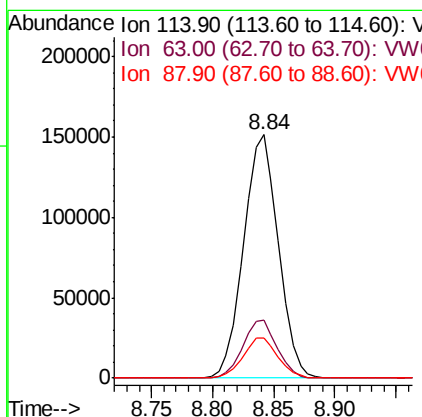
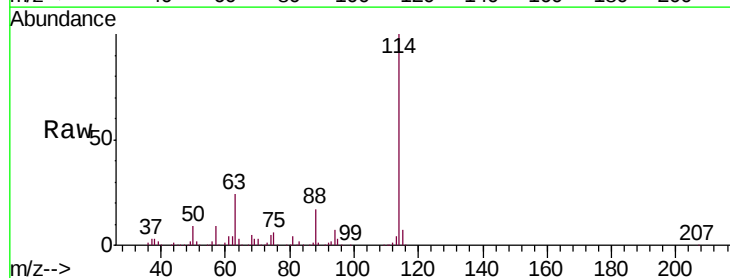
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F4-(0)

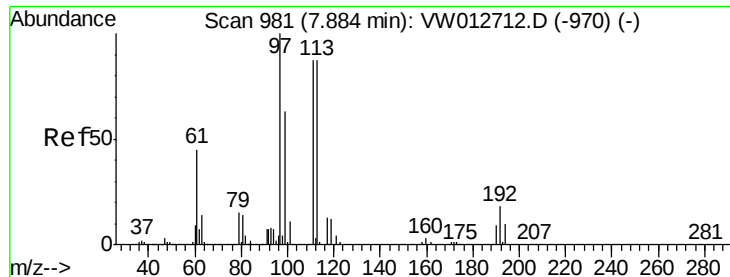
Tgt Ion: 65 Resp: 112736
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012777.D
 Acq: 08 Sep 2019 18:36

Tgt Ion: 114 Resp: 298527
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.832 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4-(0)

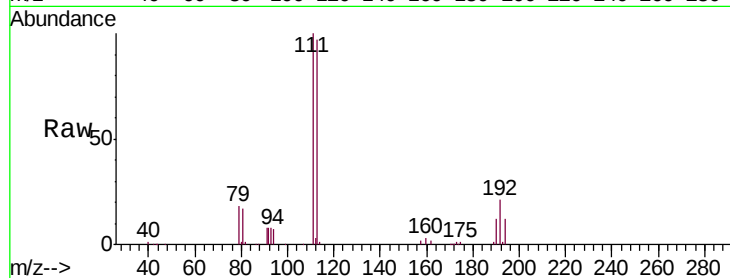
Tgt Ion:113 Resp: 88443

Ion Ratio Lower Upper

113 100

111 104.3 80.2 120.4

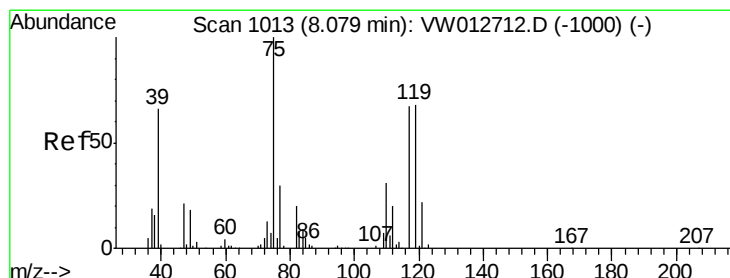
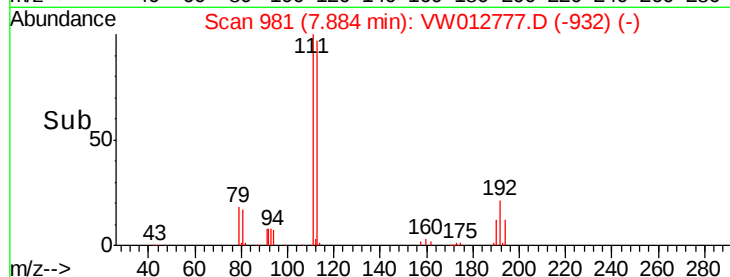
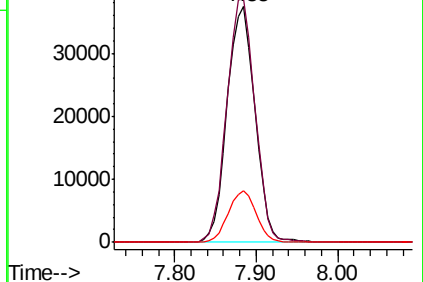
192 22.0 17.3 25.9



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: 5.848 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

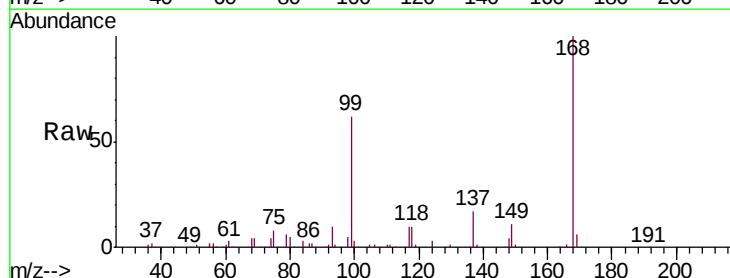
Tgt Ion: 75 Resp: 15511

Ion Ratio Lower Upper

75 100

110 10.1 15.9 47.7#

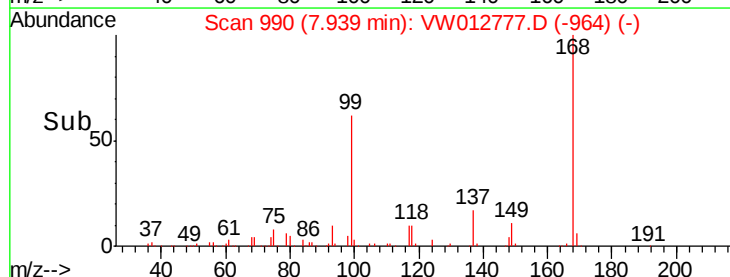
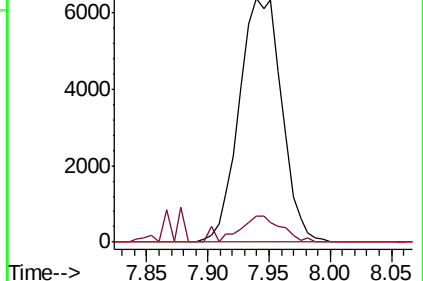
77 0.0 25.0 37.4#

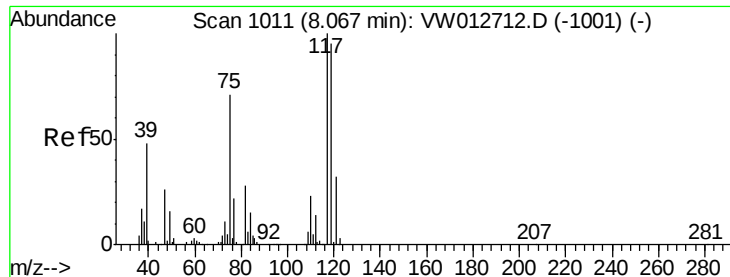


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

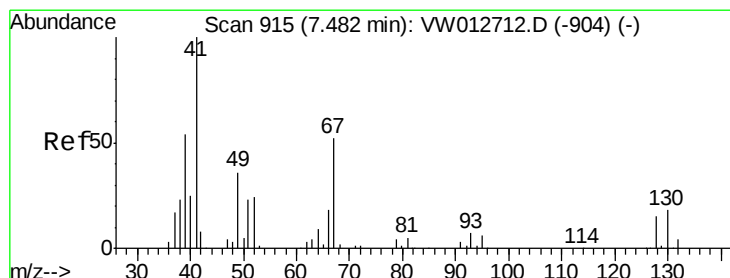
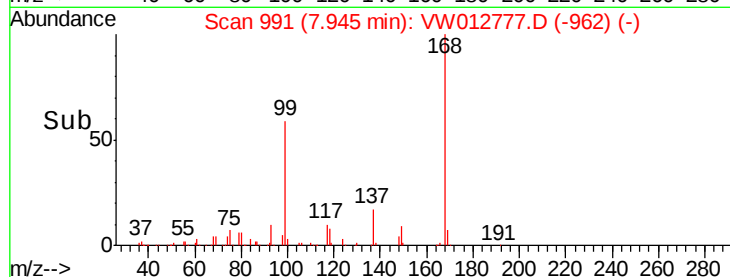
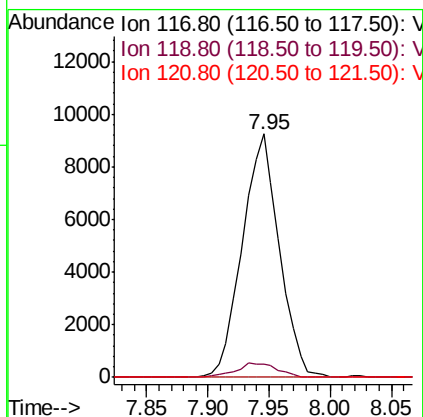
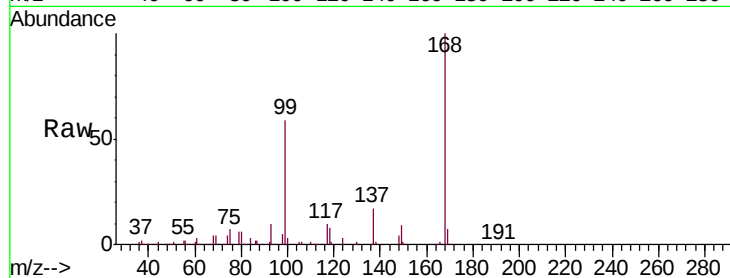




#38
Carbon Tetrachloride
Concen: 7.439 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012777.D
Acq: 08 Sep 2019 18:36

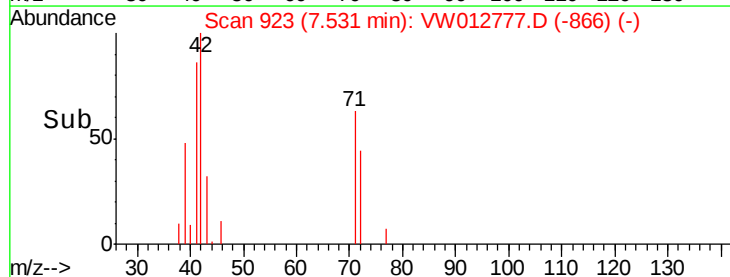
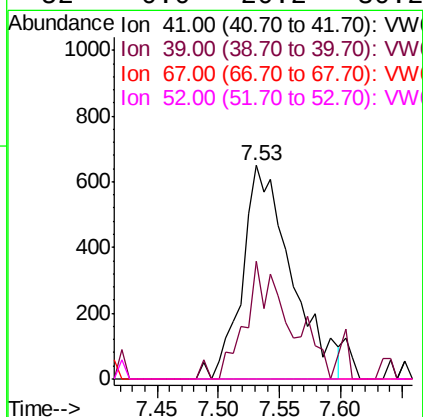
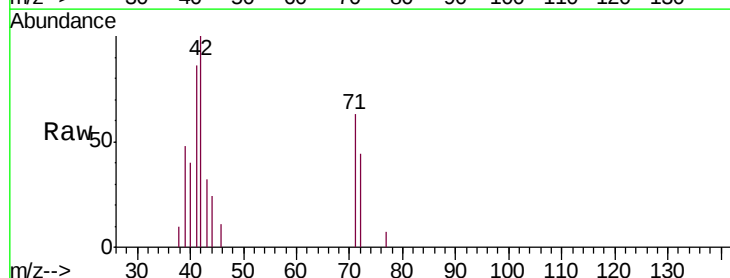
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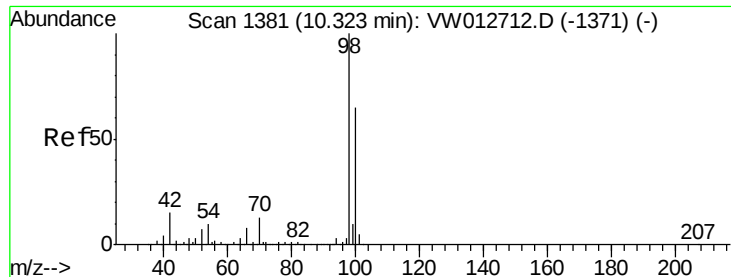
Tgt Ion:117 Resp: 19450
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 5.300 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012777.D
Acq: 08 Sep 2019 18:36

Tgt Ion: 41 Resp: 1819
Ion Ratio Lower Upper
41 100
39 41.2 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#





#50

Toluene-d8

Concen: 50.775 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

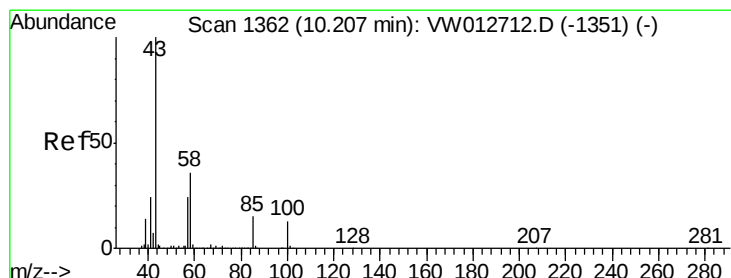
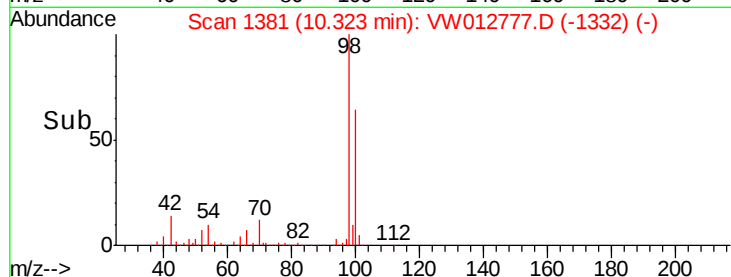
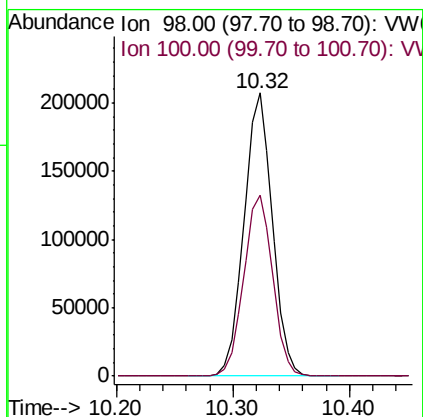
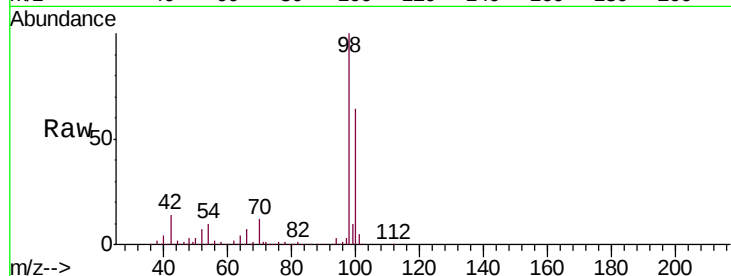
PAR-12-F4-(0)

Tgt Ion: 98 Resp: 353053

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.150 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012777.D

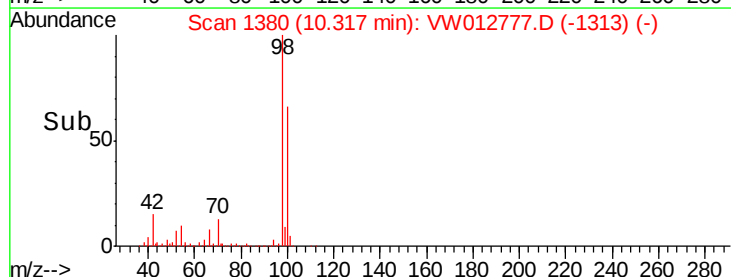
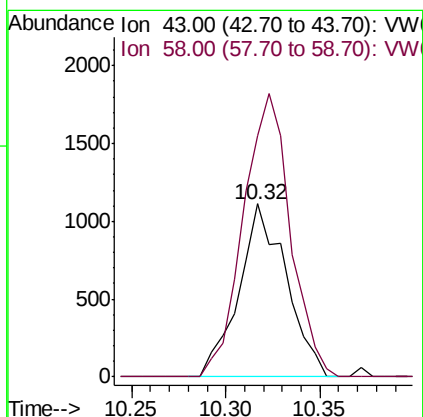
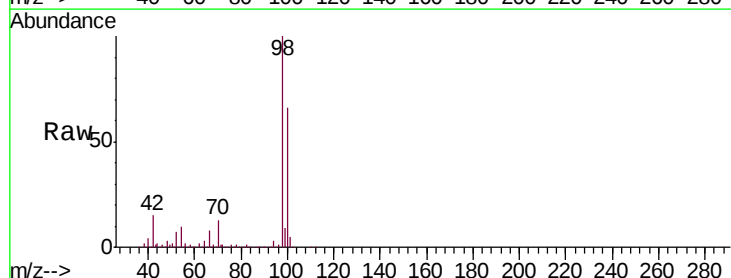
Acq: 08 Sep 2019 18:36

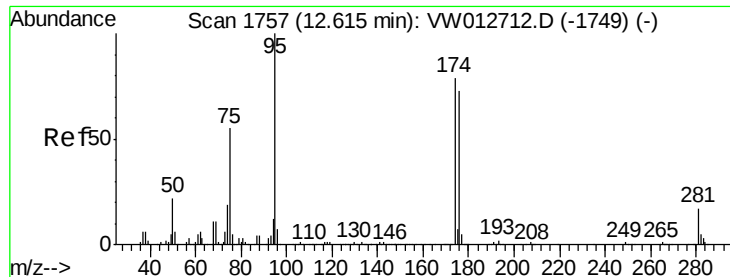
Tgt Ion: 43 Resp: 1933

Ion Ratio Lower Upper

43 100

58 162.3 28.4 42.6#





#62

4-Bromofluorobenzene

Concen: 40.798 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4-(0)

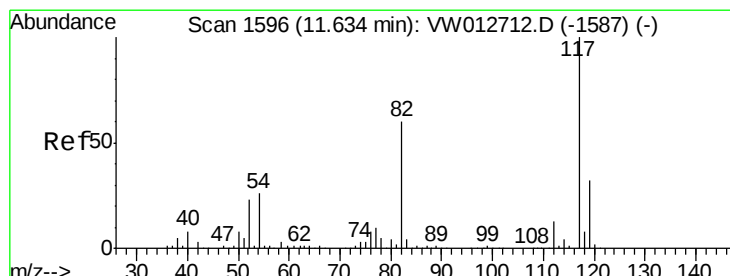
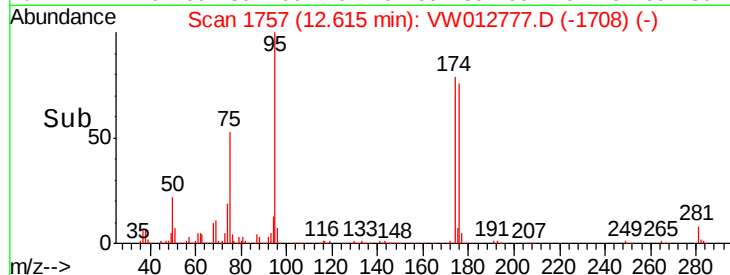
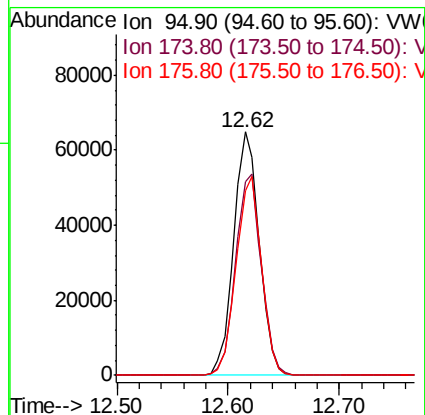
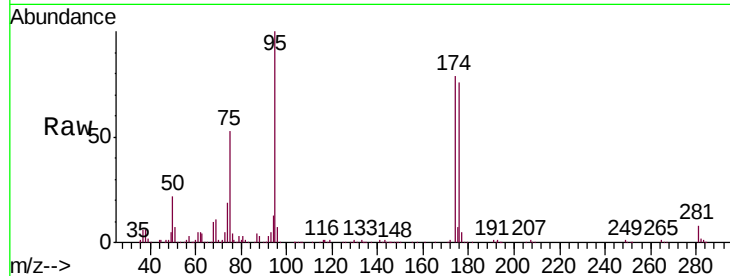
Tgt Ion: 95 Resp: 102985

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.0

176 81.0 0.0 156.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

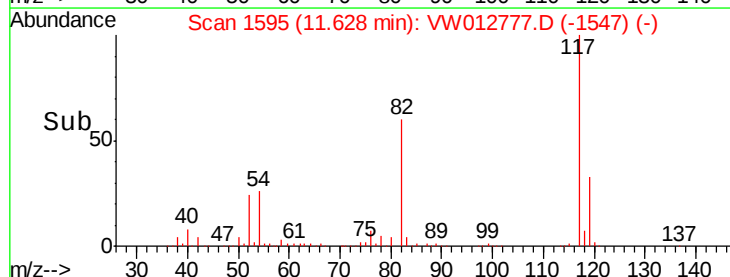
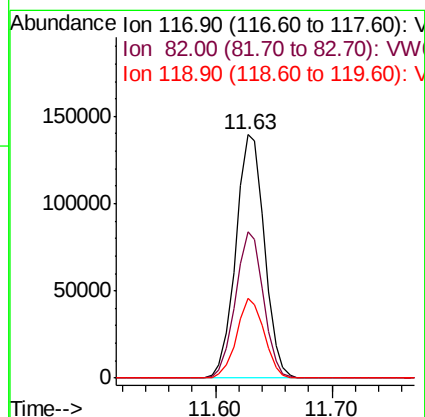
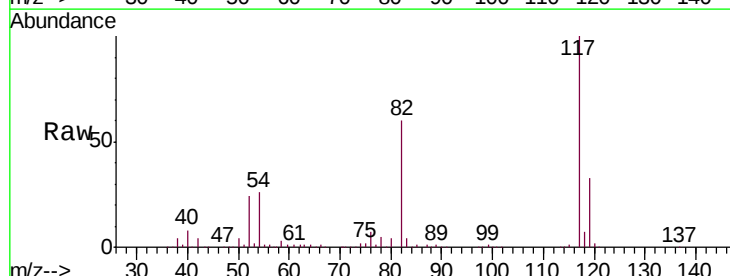
Tgt Ion: 117 Resp: 239223

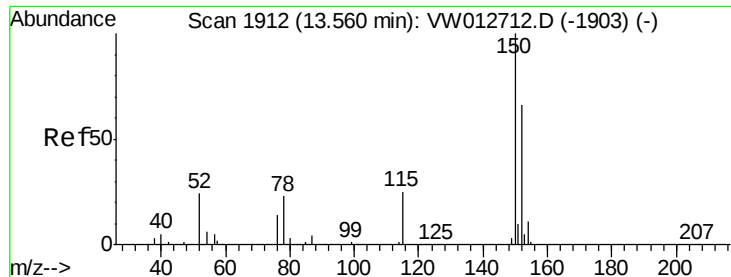
Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.4

119 32.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4-(0)

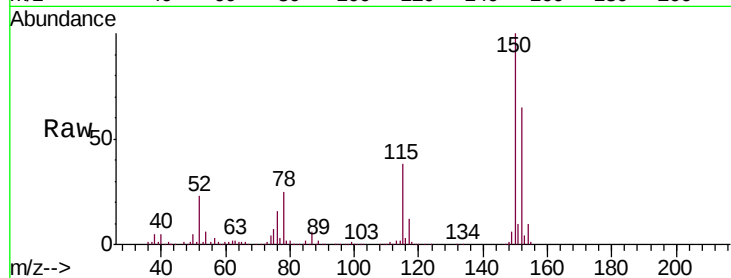
Tgt Ion:152 Resp: 89480

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.1

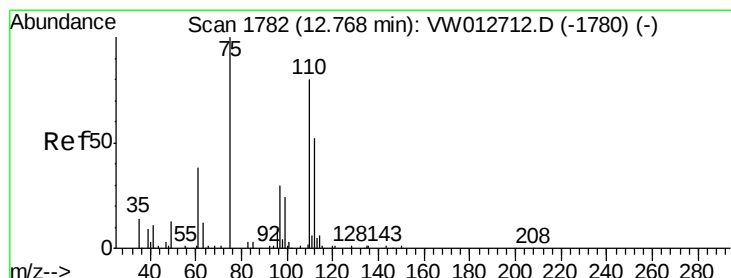
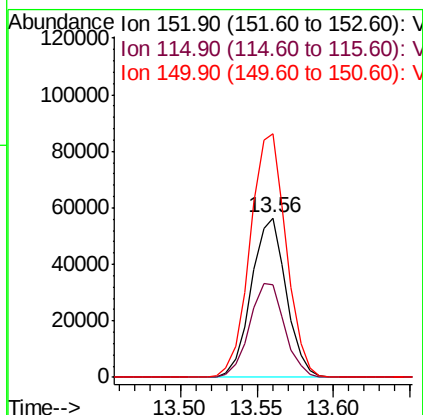
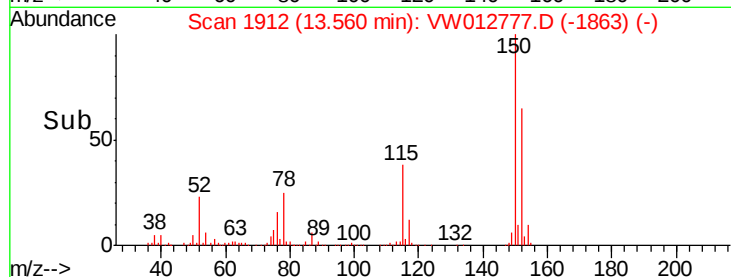
150 157.8 0.0 349.0



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: 60.793 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012777.D

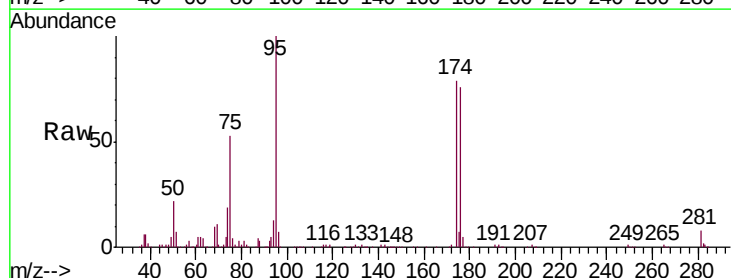
Acq: 08 Sep 2019 18:36

Tgt Ion: 75 Resp: 55624

Ion Ratio Lower Upper

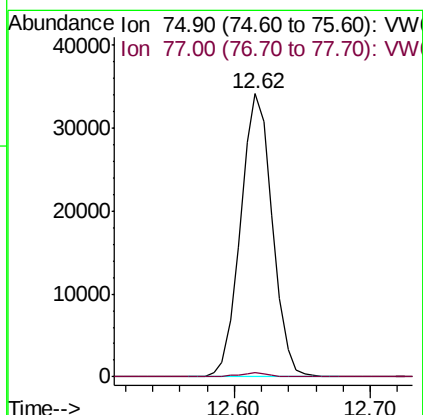
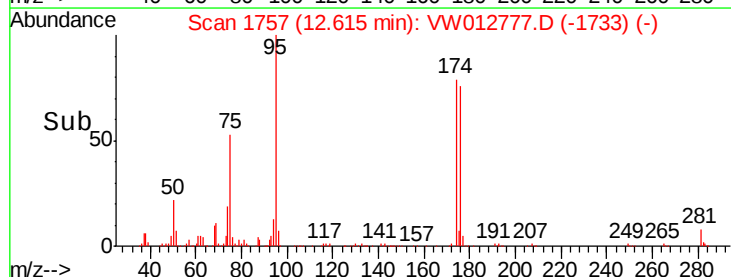
75 100

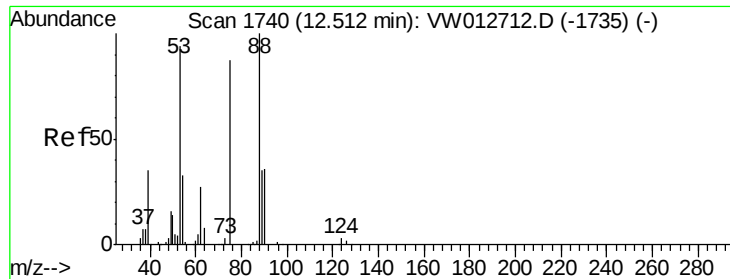
77 1.3 0.0 0.0#



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: 128.582 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F4-(0)

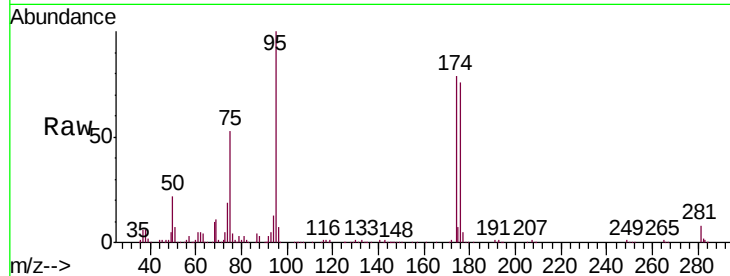
Tgt Ion: 75 Resp: 55624

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

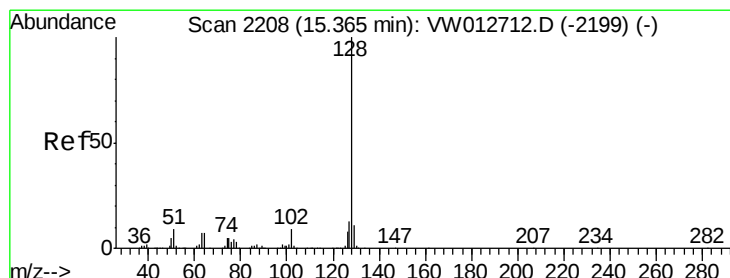
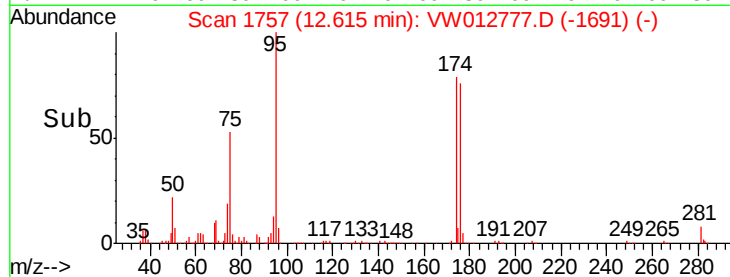
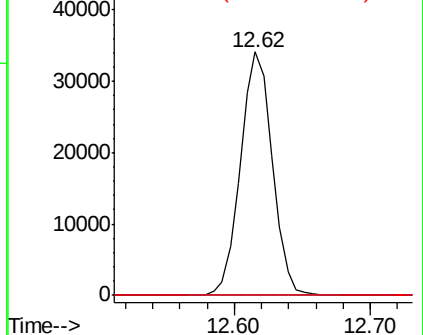
89 0.1 35.5 53.3#



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: 4.515 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012777.D

Acq: 08 Sep 2019 18:36

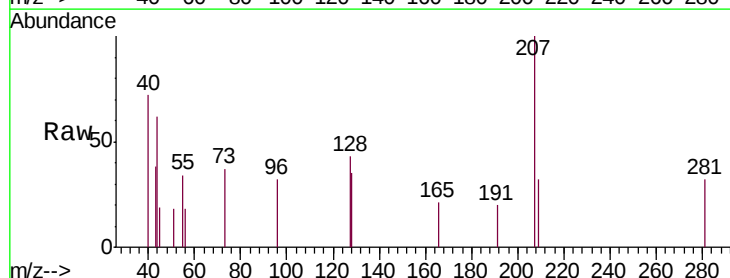
Tgt Ion: 128 Resp: 312

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

