

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010361.D
 Acq On : 10 May 2019 17:34
 Operator : SY/VA
 Sample : K2717-19
 Misc : 4.16G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0002-01

Quant Time: May 10 23:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	274278	105.22	ug/l	0.00
Spiked Amount			Recovery	=	210.44%	
35) Dibromofluoromethane	7.88	113	219742	89.48	ug/l	0.00
Spiked Amount			Recovery	=	178.96%	
50) Toluene-d8	10.32	98	390286	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	
62) 4-Bromofluorobenzene	12.62	95	84067	23.88	ug/l	0.00
Spiked Amount			Recovery	=	47.76%	

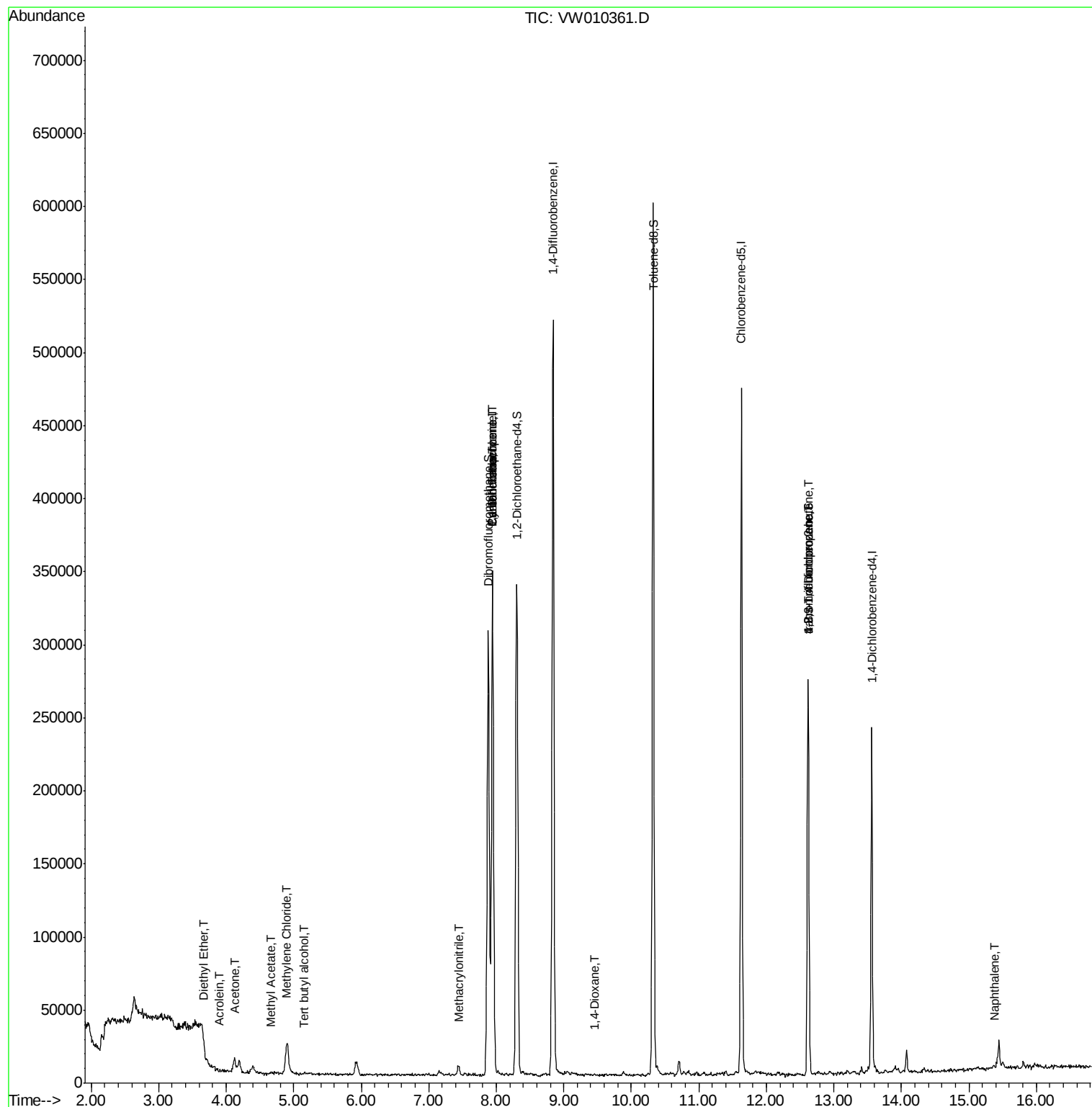
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2143	1.561	ug/l	66
11) Tert butyl alcohol	5.17	59	1226	6.660	ug/l #	75
13) Acrolein	3.89	56	329	1.354	ug/l	85
16) Acetone	4.12	43	15801	23.252	ug/l #	86
18) Methyl Acetate	4.67	43	2997	1.781	ug/l #	86
20) Methylene Chloride	4.90	84	15629	5.514	ug/l #	97
31) Cyclohexane	7.95	56	6952	1.302	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21458	4.716	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24701	6.333	ug/l #	17
41) Methacrylonitrile	7.45	41	3438	2.530	ug/l #	26
49) 1,4-Dioxane	9.45	88	65	2.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	45676	65.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45676	147.603	ug/l #	6
95) Naphthalene	15.38	128	2158	4.331	ug/l #	83

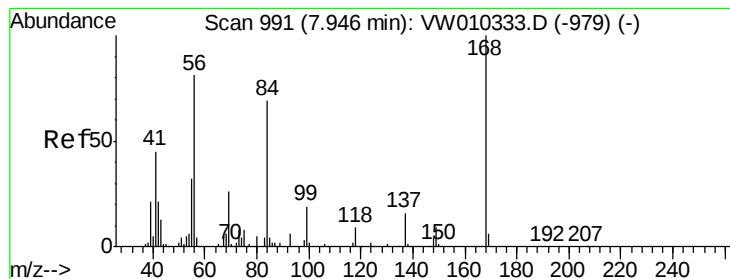
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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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: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

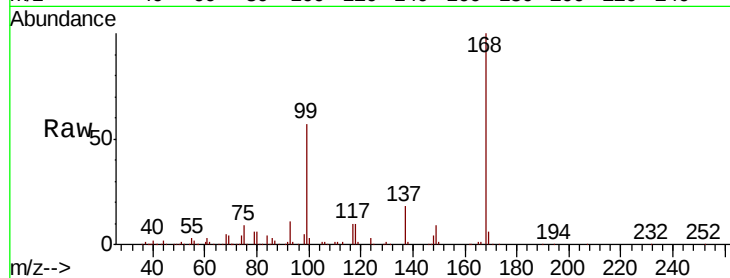
P026-SS004-0002-01

Tgt Ion:168 Resp: 245189

Ion Ratio Lower Upper

168 100

99 56.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

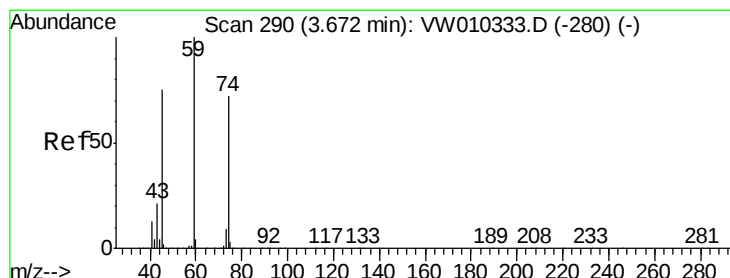
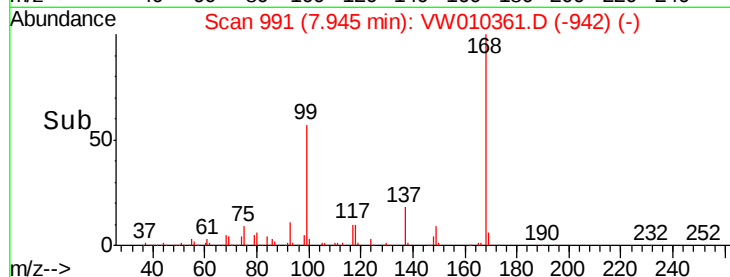
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.561 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010361.D

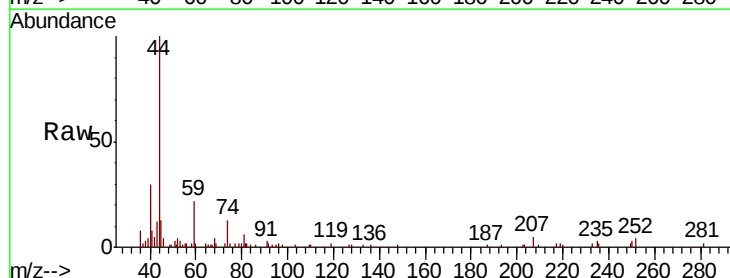
Acq: 10 May 2019 17:34

Tgt Ion: 74 Resp: 2143

Ion Ratio Lower Upper

74 100

45 75.3 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

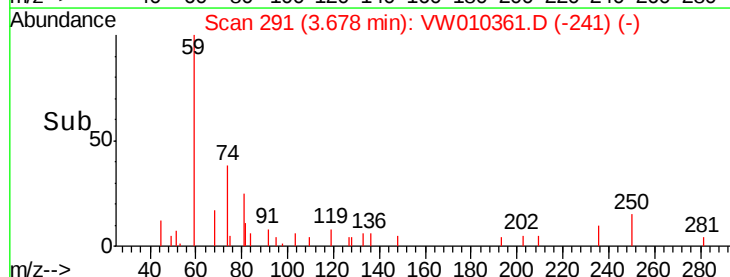
3.68

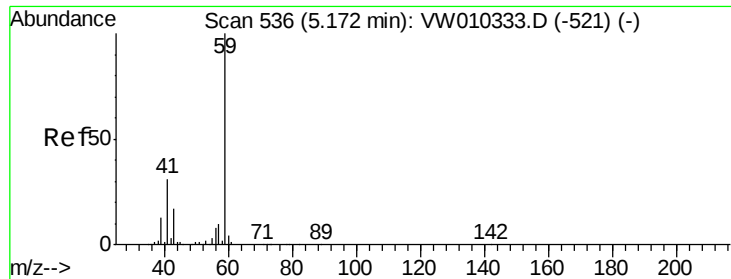
1000

500

0

Time--> 3.60 3.65 3.70 3.75

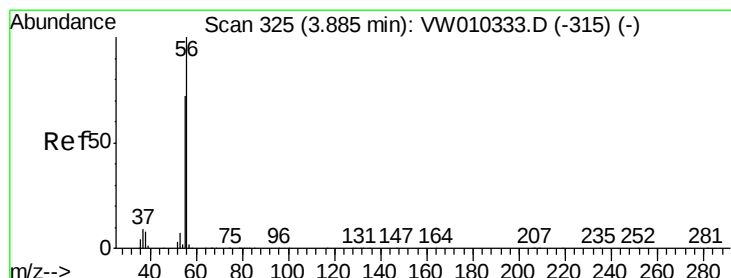
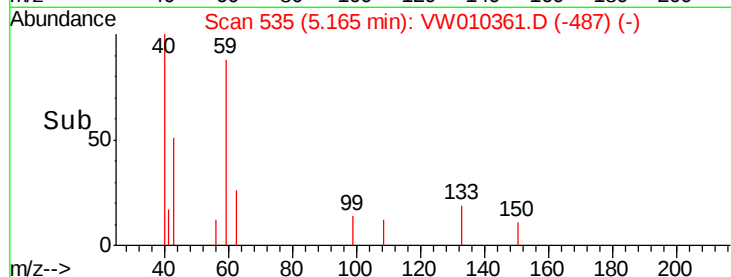
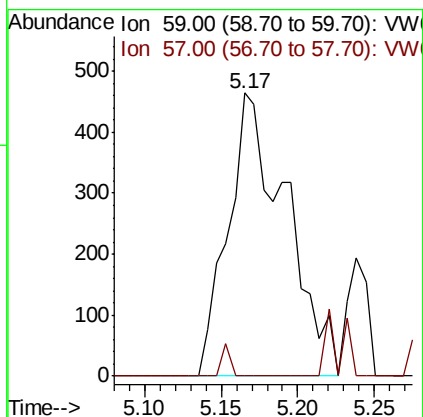
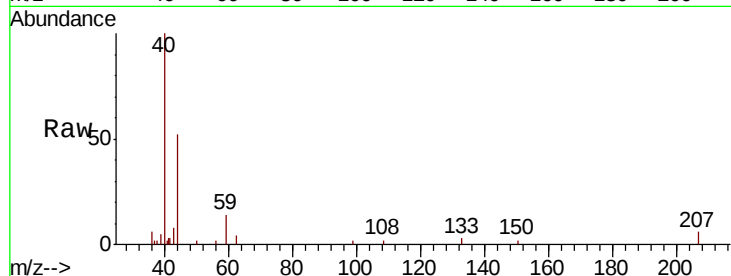




#11
Tert butyl alcohol
Concen: 6.660 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010361.D
Acq: 10 May 2019 17:34

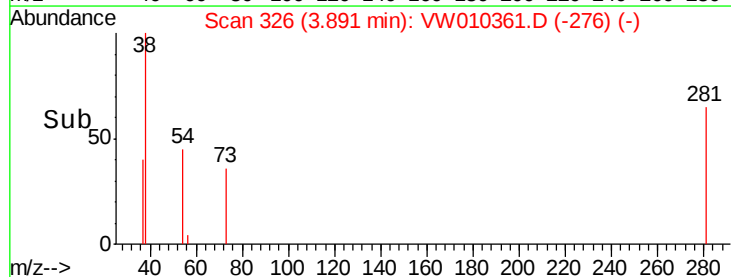
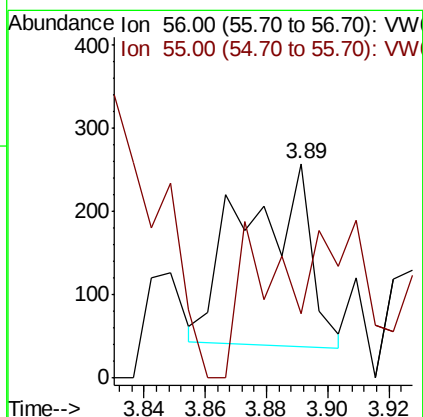
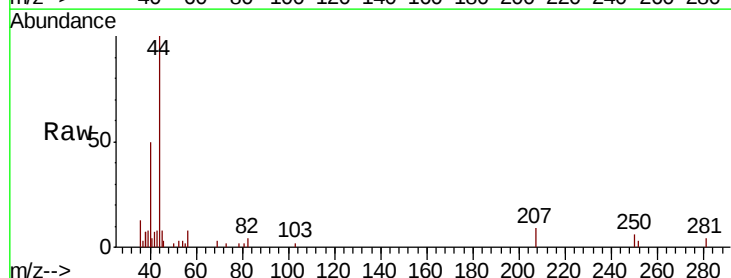
Instrument :
MSVOA_W
ClientSampleId :
P026-SS004-0002-01

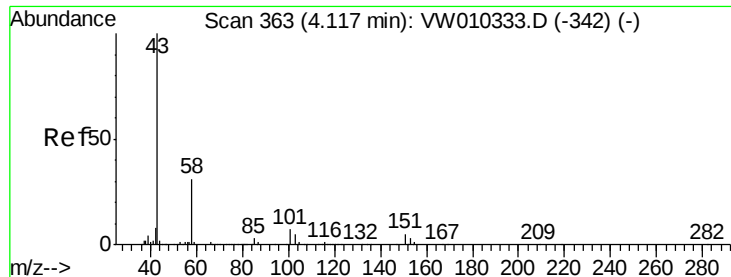
Tgt Ion: 59 Resp: 1226
Ion Ratio Lower Upper
59 100
57 1.6 9.0 13.4#



#13
Acrolein
Concen: 1.354 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW010361.D
Acq: 10 May 2019 17:34

Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 55.9 54.2 81.2





#16

Acetone

Concen: 23.252 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

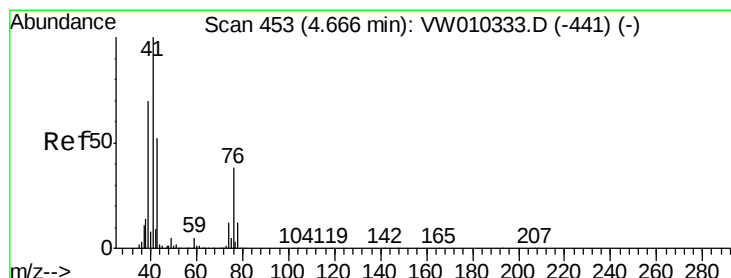
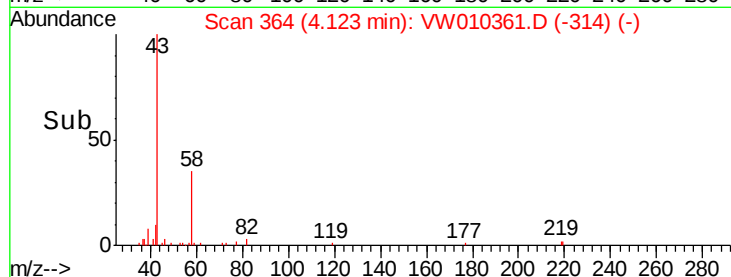
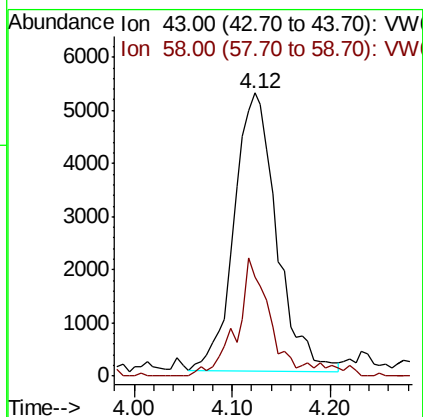
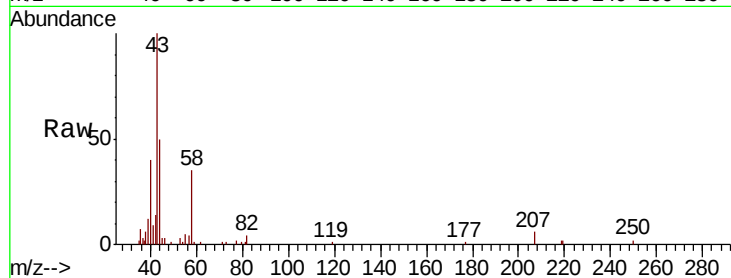
P026-SS004-0002-01

Tgt Ion: 43 Resp: 15801

Ion Ratio Lower Upper

43 100

58 35.7 22.7 34.1#



#18

Methyl Acetate

Concen: 1.781 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010361.D

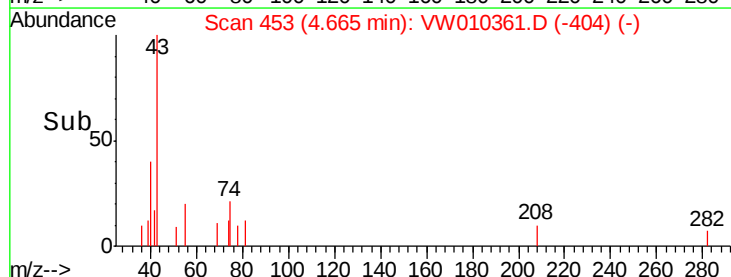
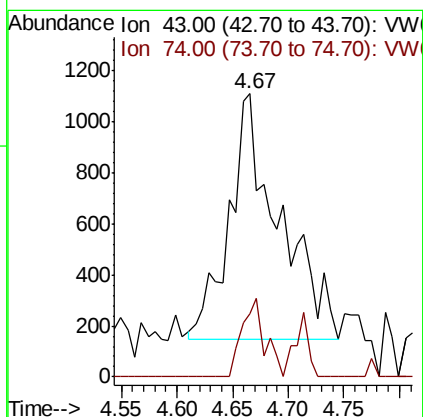
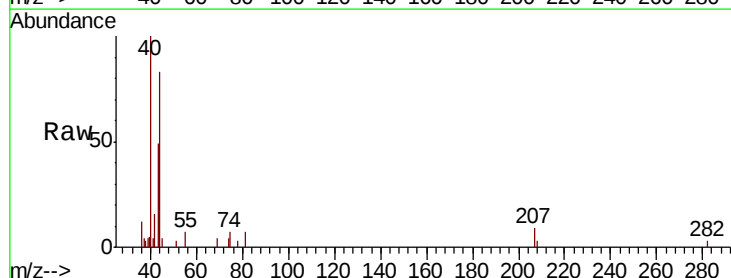
Acq: 10 May 2019 17:34

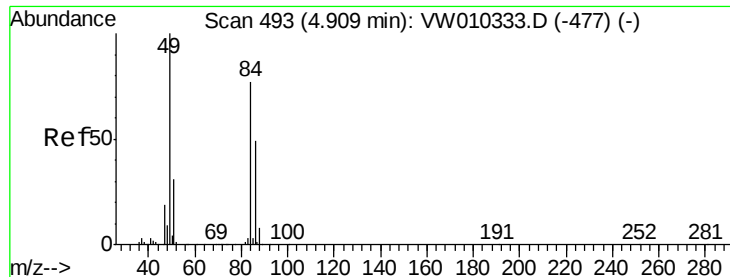
Tgt Ion: 43 Resp: 2997

Ion Ratio Lower Upper

43 100

74 14.5 16.8 25.2#

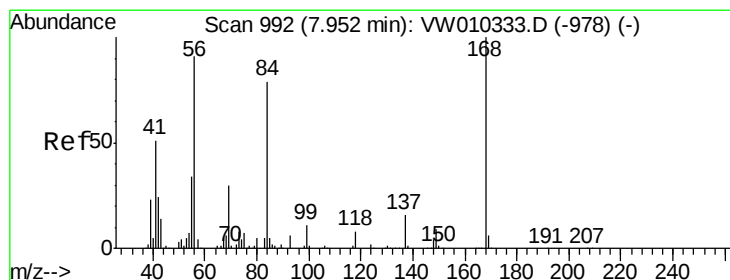
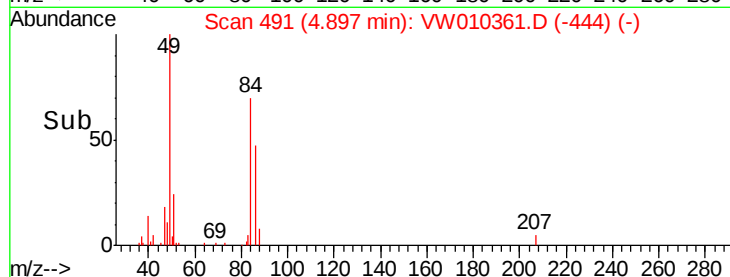
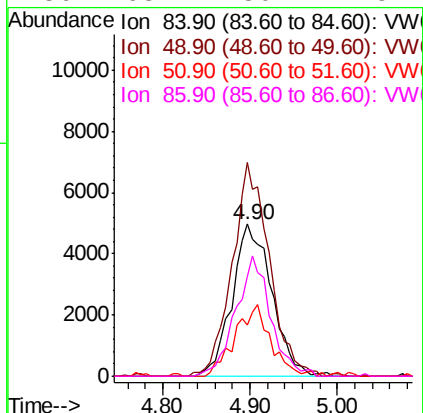
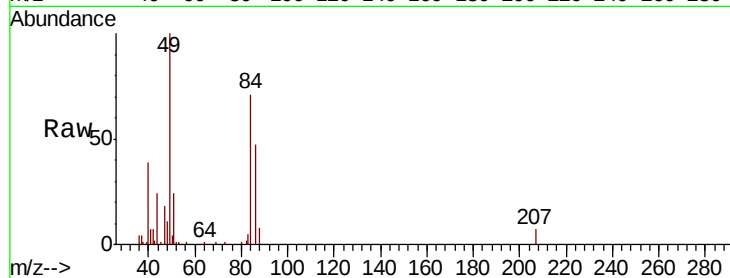




#20
Methylene Chloride
Concen: 5.514 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010361.D
Acq: 10 May 2019 17:34

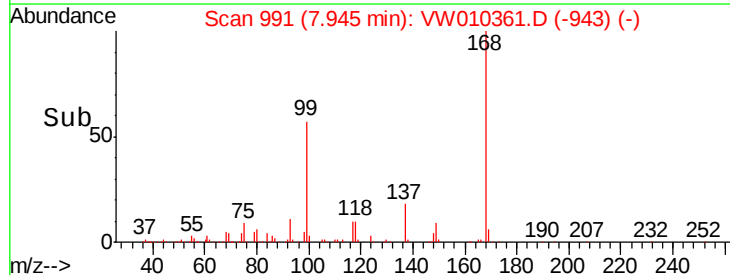
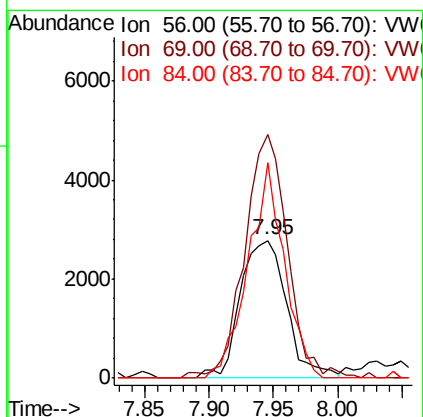
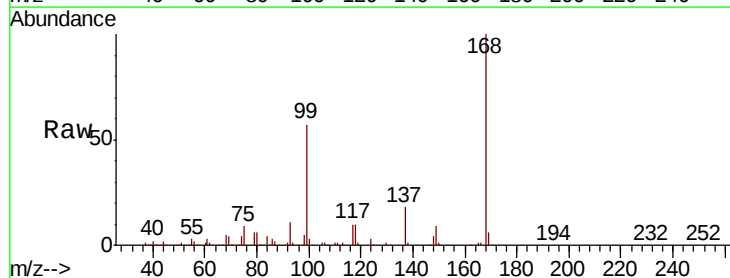
Instrument :
MSVOA_W
ClientSampleId :
P026-SS004-0002-01

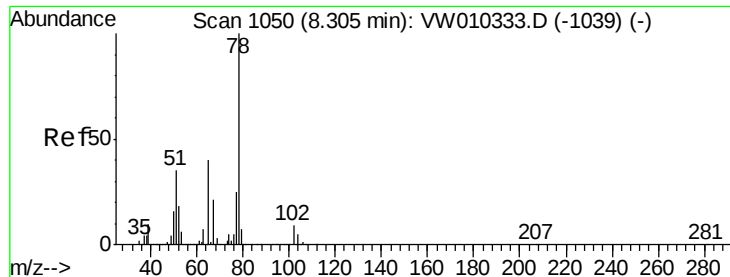
Tgt Ion: 84 Resp: 15629
Ion Ratio Lower Upper
84 100
49 140.5 112.3 168.5
51 33.4 33.9 50.9#
86 65.4 50.2 75.4



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010361.D
Acq: 10 May 2019 17:34

Tgt Ion: 56 Resp: 6952
Ion Ratio Lower Upper
56 100
69 173.0 26.6 40.0#
84 156.1 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 105.221 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

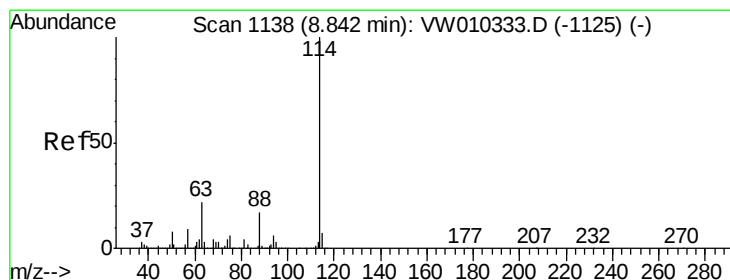
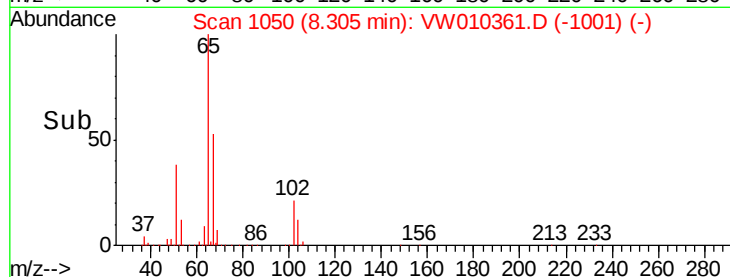
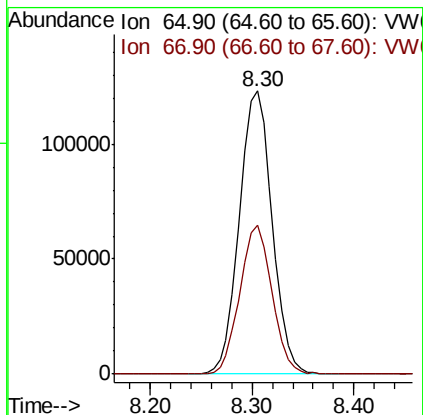
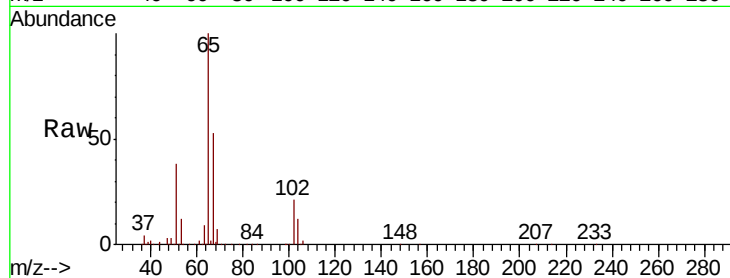
P026-SS004-0002-01

Tgt Ion: 65 Resp: 274278

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

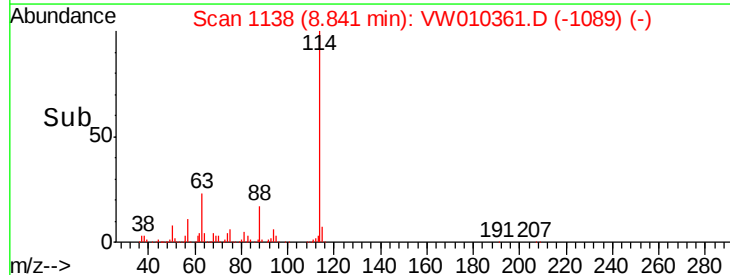
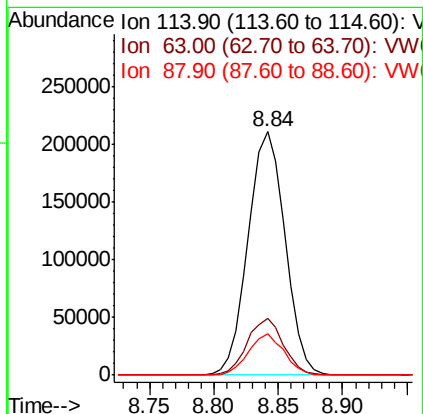
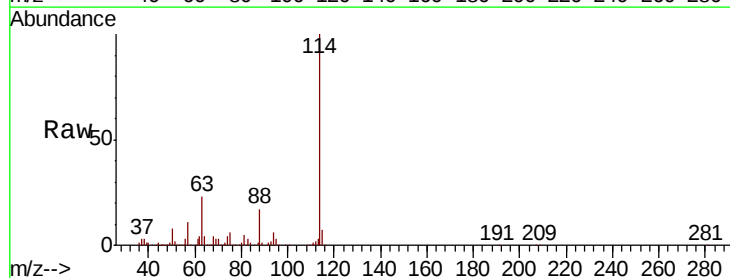
Tgt Ion: 114 Resp: 419648

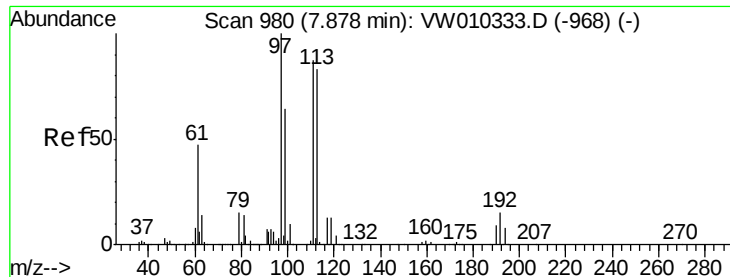
Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.2

88 17.0 0.0 32.6

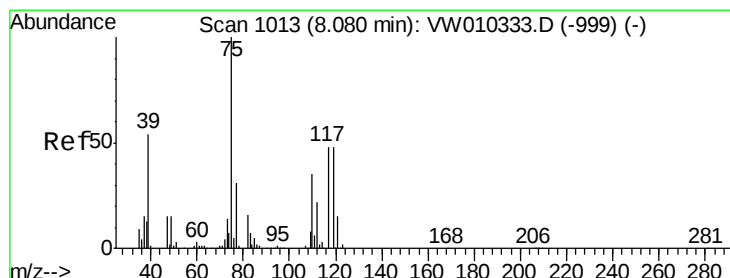
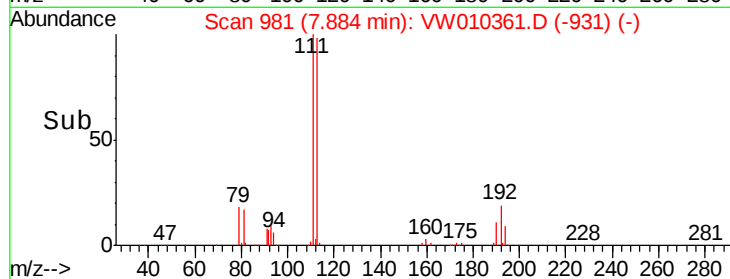
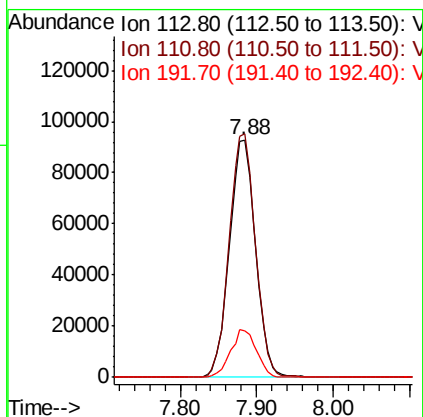
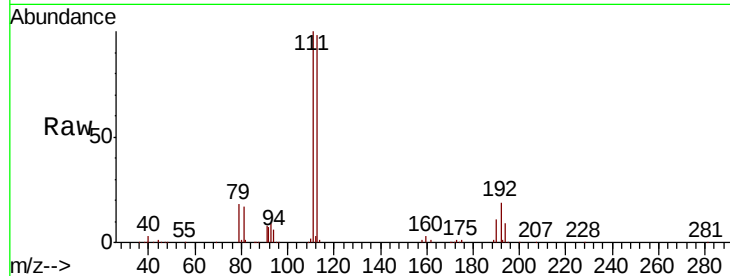




#35
 Dibromofluoromethane
 Concen: 89.481 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010361.D
 Acq: 10 May 2019 17:34

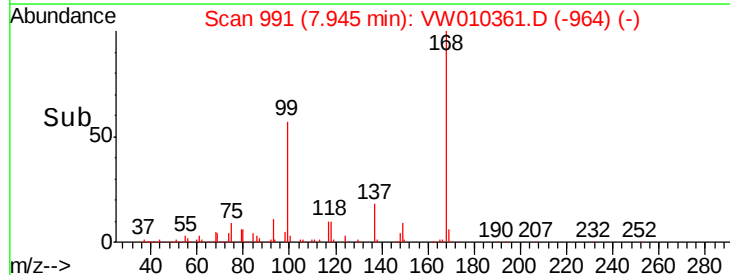
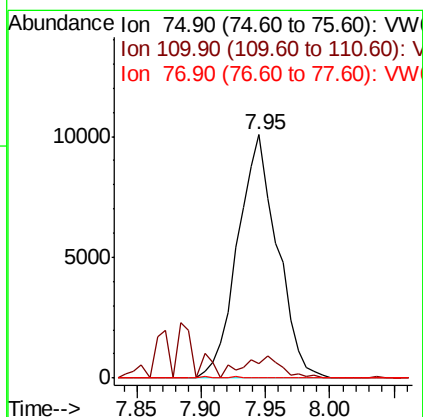
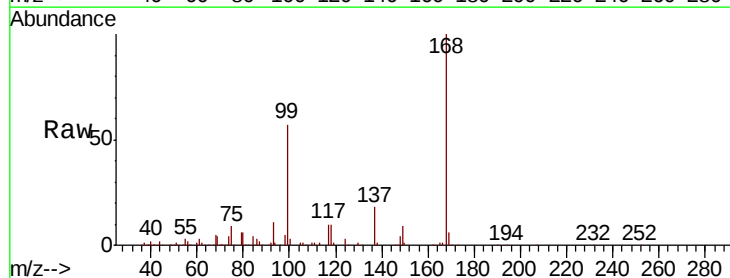
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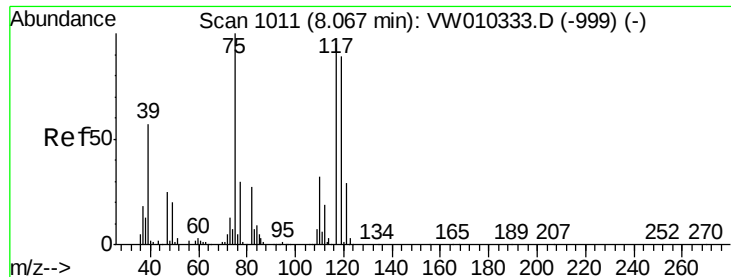
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.7	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010361.D
 Acq: 10 May 2019 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.6	49.8#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.333 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0002-01

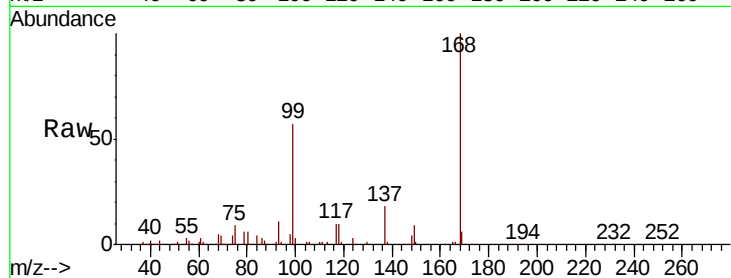
Tgt Ion:117 Resp: 24701

Ion Ratio Lower Upper

117 100

119 5.0 75.3 112.9#

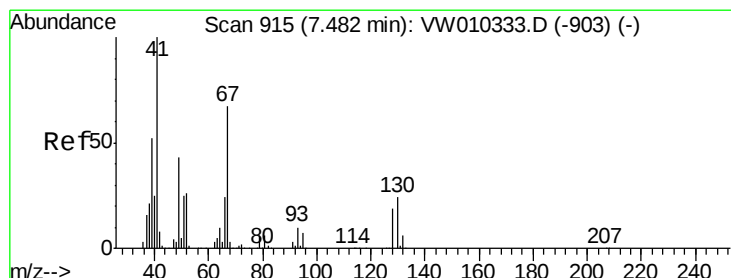
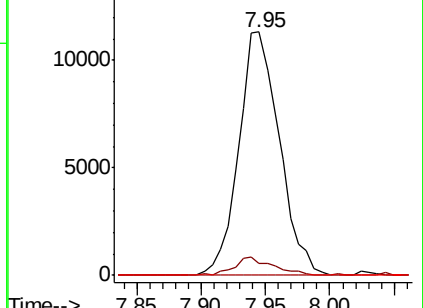
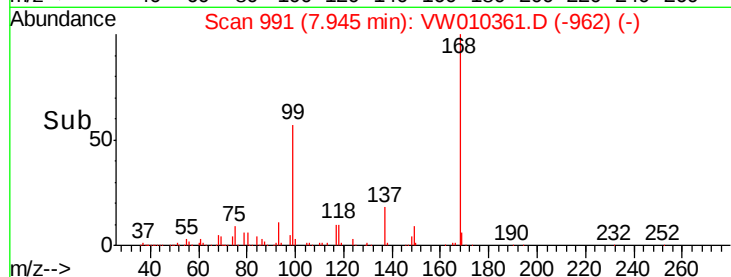
121 0.0 24.4 36.6#



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



#41

Methacrylonitrile

Concen: 2.530 ug/l

RT: 7.45 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Tgt Ion: 41 Resp: 3438

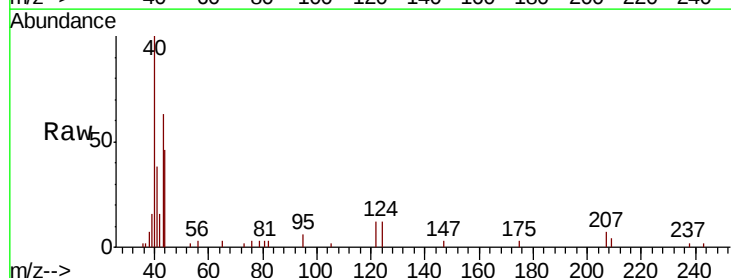
Ion Ratio Lower Upper

41 100

39 0.0 45.0 67.4#

67 0.0 50.7 76.1#

52 1.3 22.6 33.8#

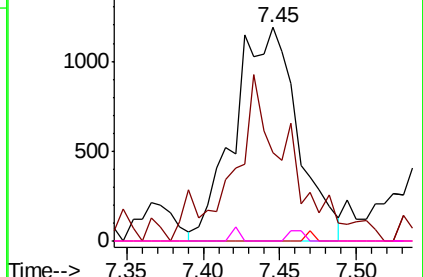
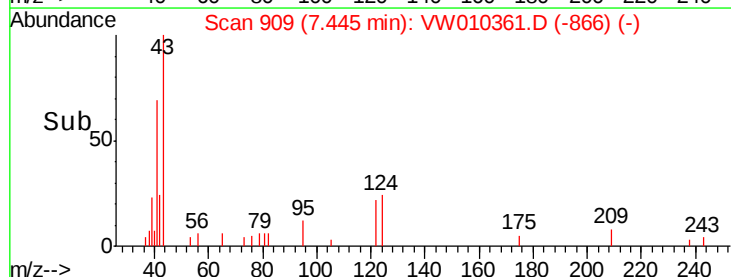


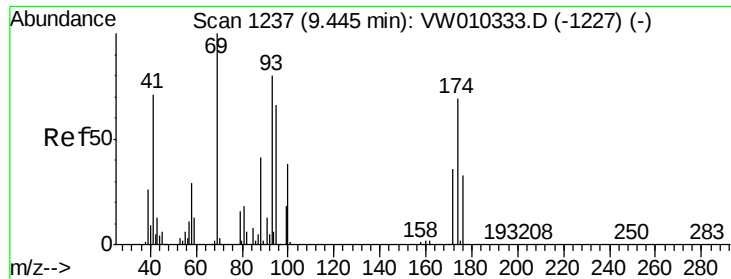
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

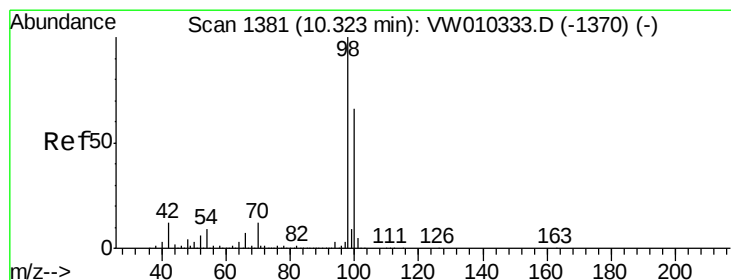
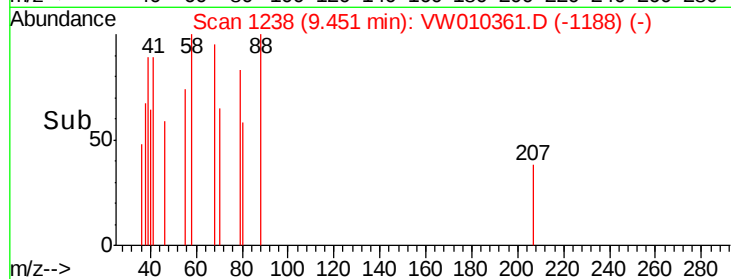
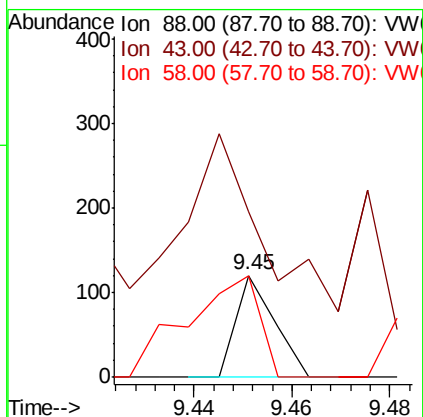
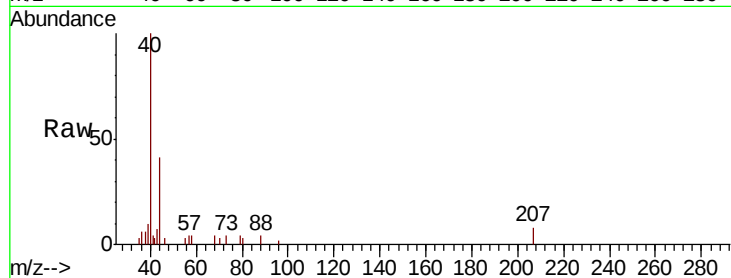




#49
1,4-Dioxane
Concen: 2.329 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010361.D
Acq: 10 May 2019 17:34

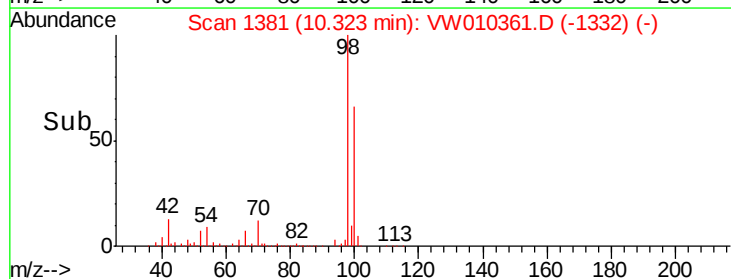
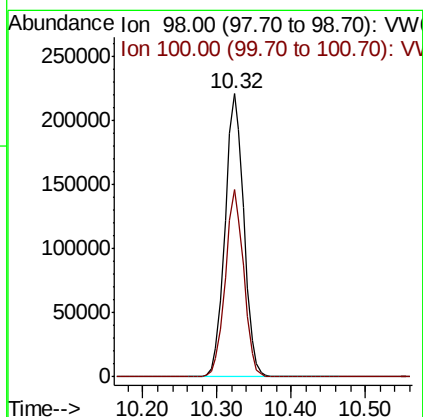
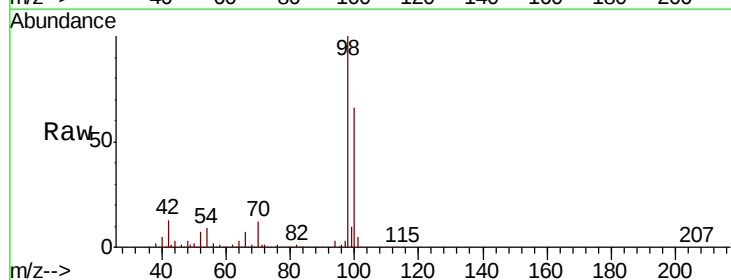
Instrument :
MSVOA_W
ClientSampleId :
P026-SS004-0002-01

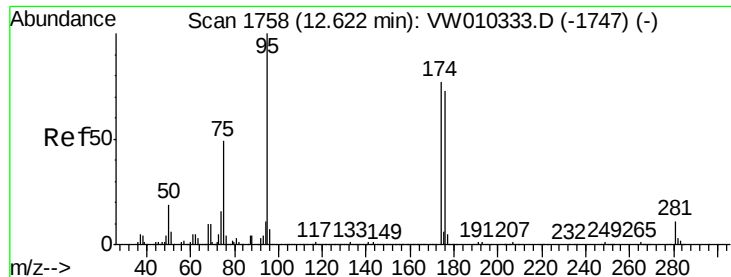
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 641.5 31.9 47.9#
58 190.8 61.8 92.6#



#50
Toluene-d8
Concen: 39.030 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010361.D
Acq: 10 May 2019 17:34

Tgt Ion: 98 Resp: 390286
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 23.883 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0002-01

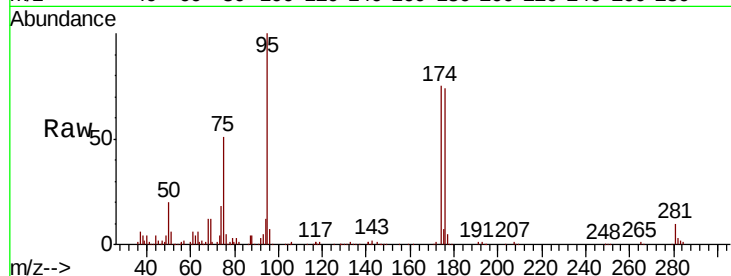
Tgt Ion: 95 Resp: 84067

Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.4

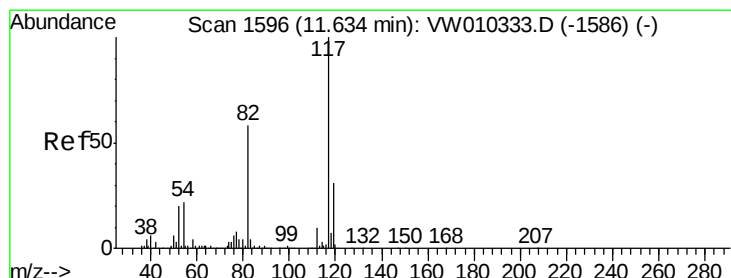
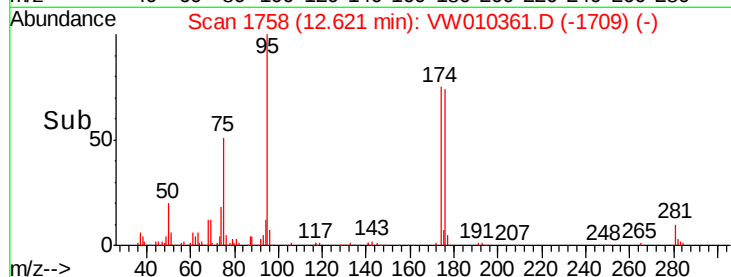
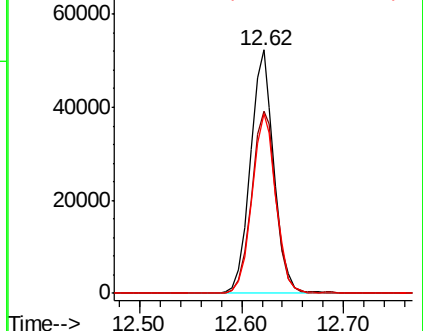
176 75.1 0.0 146.2



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: VW010361.D

Acq: 10 May 2019 17:34

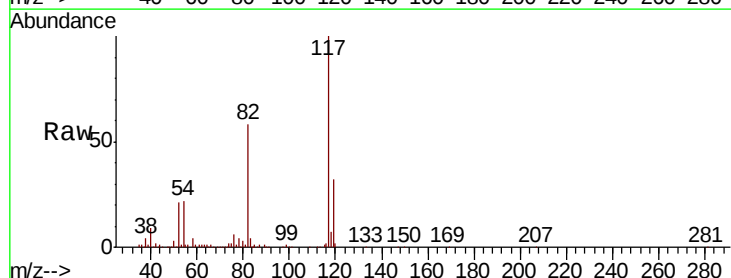
Tgt Ion: 117 Resp: 252236

Ion Ratio Lower Upper

117 100

82 58.4 45.2 67.8

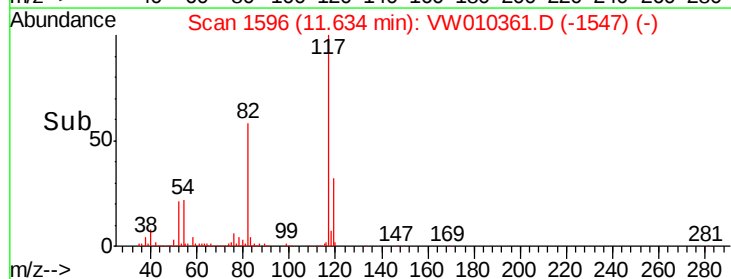
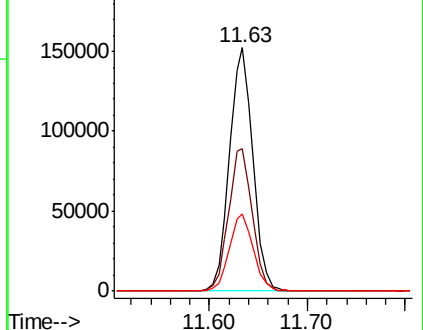
119 31.6 25.4 38.2

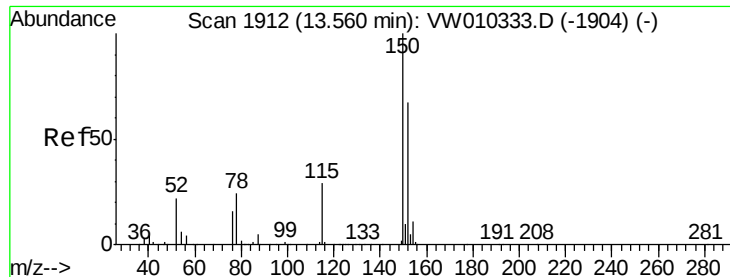


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0002-01

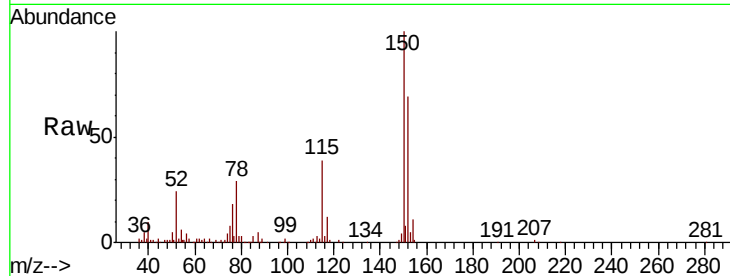
Tgt Ion:152 Resp: 59939

Ion Ratio Lower Upper

152 100

115 59.6 30.4 91.2

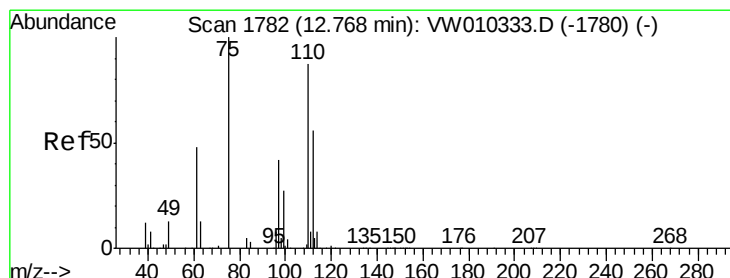
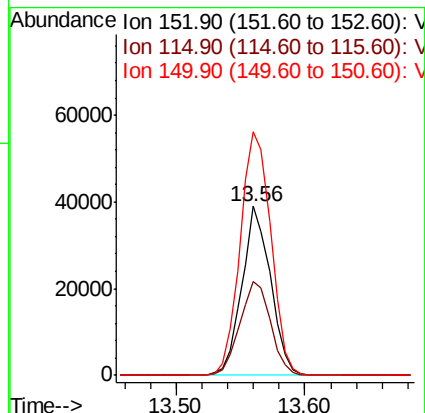
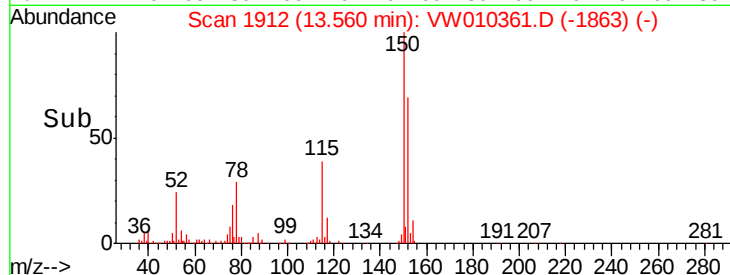
150 153.9 0.0 347.0



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: 65.360 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010361.D

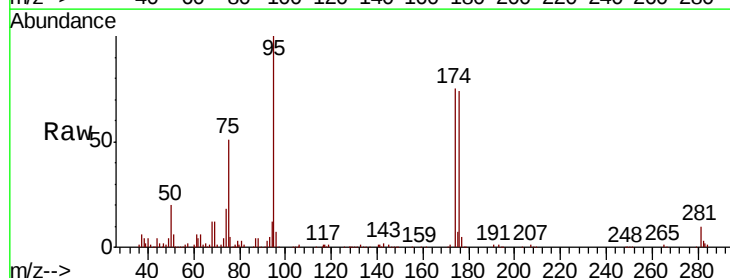
Acq: 10 May 2019 17:34

Tgt Ion: 75 Resp: 45676

Ion Ratio Lower Upper

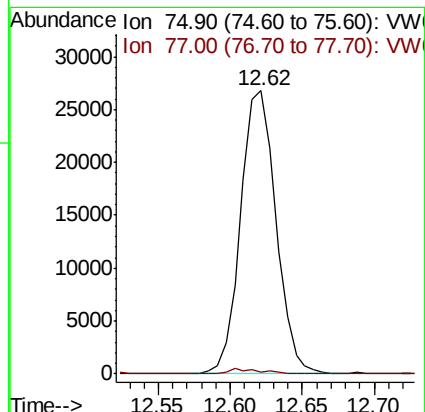
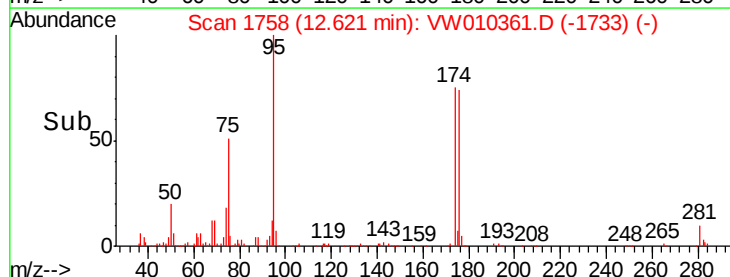
75 100

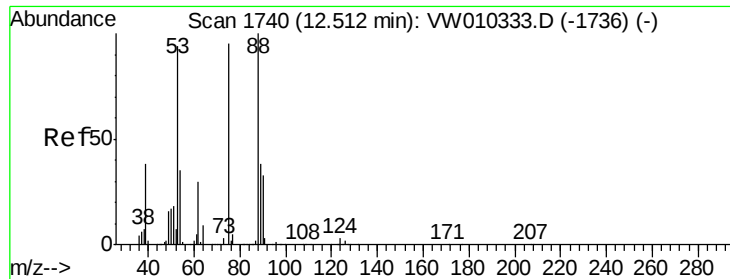
77 1.6 0.0 0.0#



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: 147.603 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0002-01

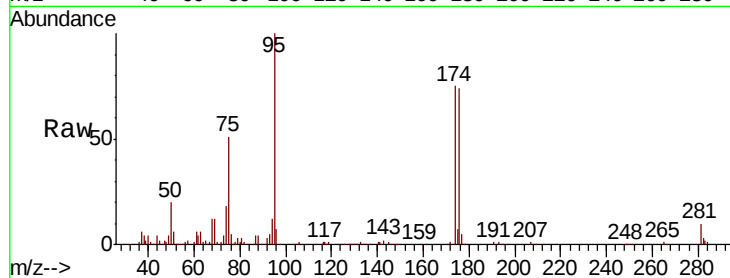
Tgt Ion: 75 Resp: 45676

Ion Ratio Lower Upper

75 100

53 0.8 89.8 134.8#

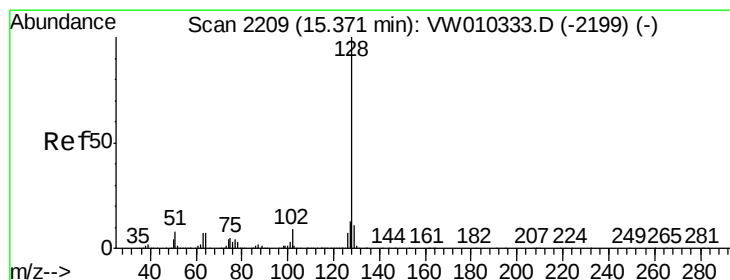
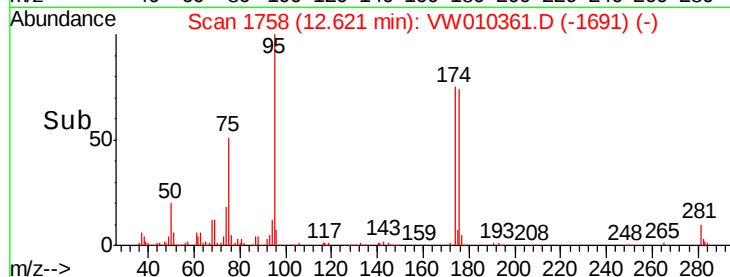
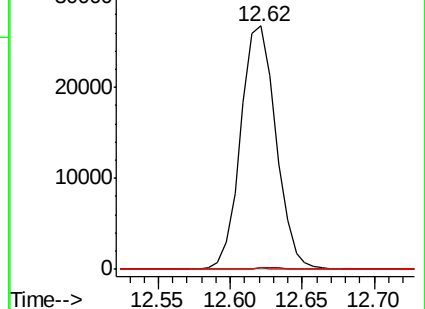
89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.331 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

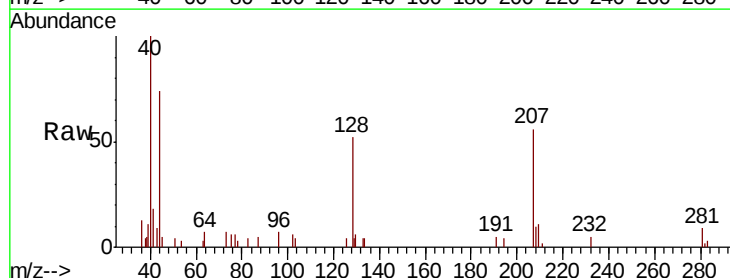
Tgt Ion: 128 Resp: 2158

Ion Ratio Lower Upper

128 100

127 10.4 10.6 15.8#

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

