

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010381.D
 Acq On : 11 May 2019 15:12
 Operator : SY/VA
 Sample : K2719-09
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:26:46 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

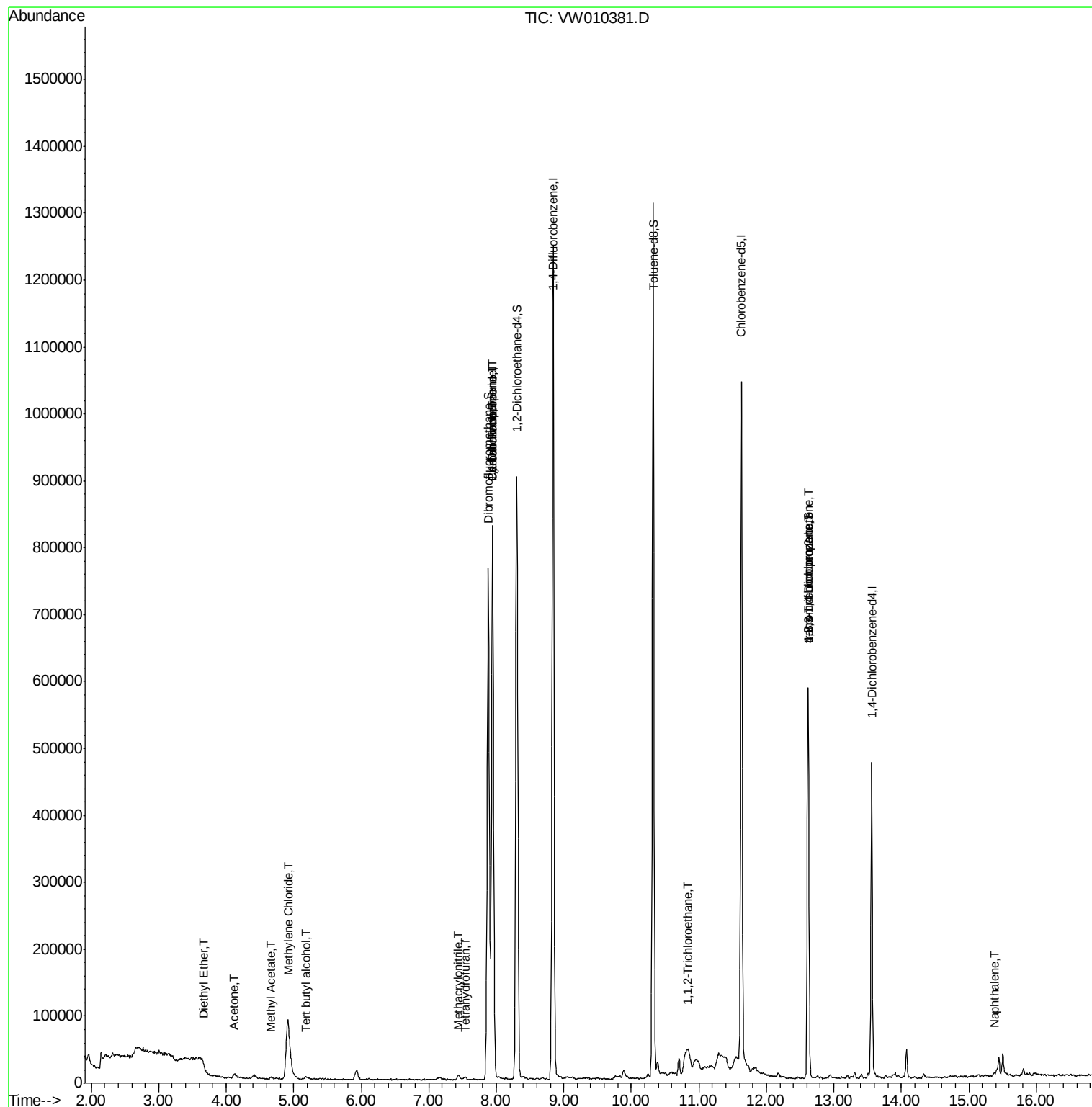
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	597655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1007382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	547219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120612	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	699627	110.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	220.22%	
35) Dibromofluoromethane	7.88	113	545679	92.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	185.14%	
50) Toluene-d8	10.32	98	846602	35.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.54%	
62) 4-Bromofluorobenzene	12.62	95	184344	21.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	43.64%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	3382	1.011	ug/l	87
11) Tert butyl alcohol	5.18	59	3666	8.170	ug/l #	87
16) Acetone	4.12	43	13726	8.287	ug/l	94
18) Methyl Acetate	4.67	43	5139	1.253	ug/l #	85
20) Methylene Chloride	4.92	84	89339	12.931	ug/l	90
29) Tetrahydrofuran	7.54	42	2797	1.707	ug/l #	92
31) Cyclohexane	7.95	56	15329	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	51801	4.742	ug/l #	50
38) Carbon Tetrachloride	7.95	117	59837	6.391	ug/l #	16
41) Methacrylonitrile	7.44	41	4139	1.269	ug/l #	53
55) 1,1,2-Trichloroethane	10.83	97	6199	1.136	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	93663	66.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93663	150.416	ug/l #	6
95) Naphthalene	15.38	128	4806	4.410	ug/l #	91

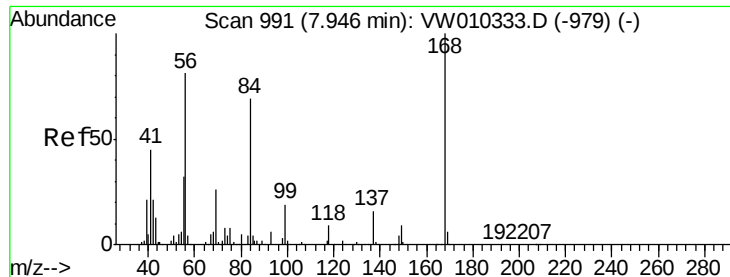
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010381.D

Acq: 11 May 2019 15:12

Instrument :

MSVOA_W

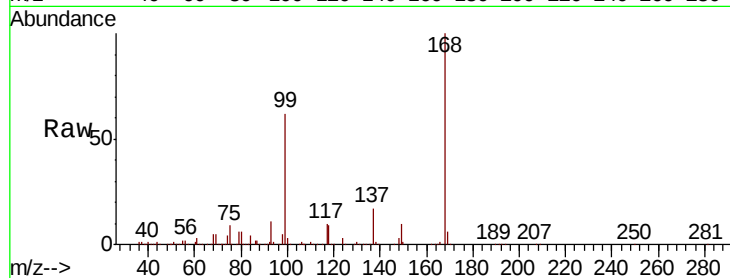
ClientSampleId :

Tot Ion:168 Resp: 597655

Ion Ratio Lower Upper

168 100

99 62.0 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

300000

250000

200000

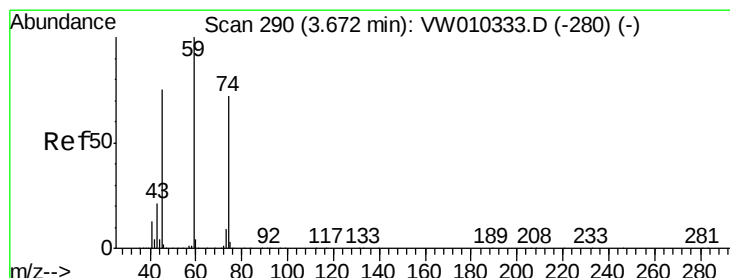
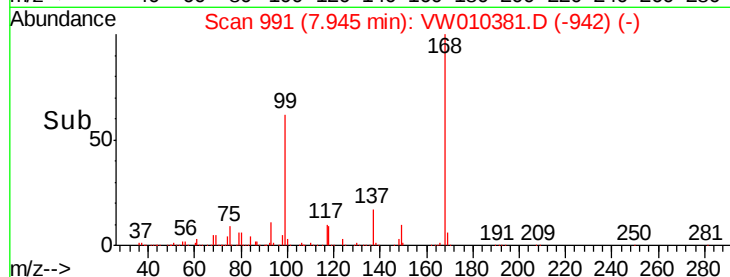
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.011 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW010381.D

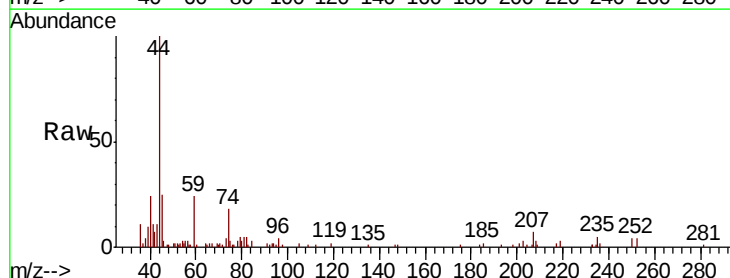
Acq: 11 May 2019 15:12

Tgt Ion: 74 Resp: 3382

Ion Ratio Lower Upper

74 100

45 126.3 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2000

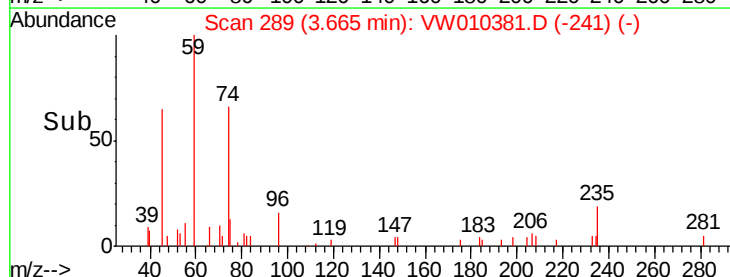
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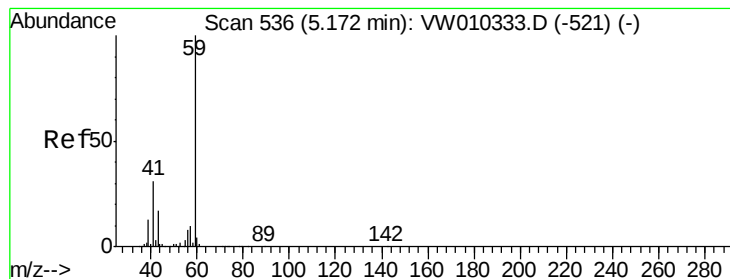
1000

500

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Time-->



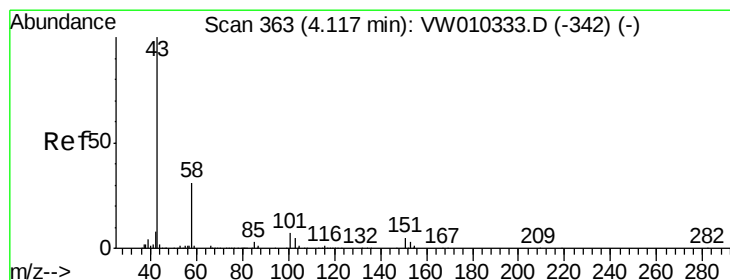
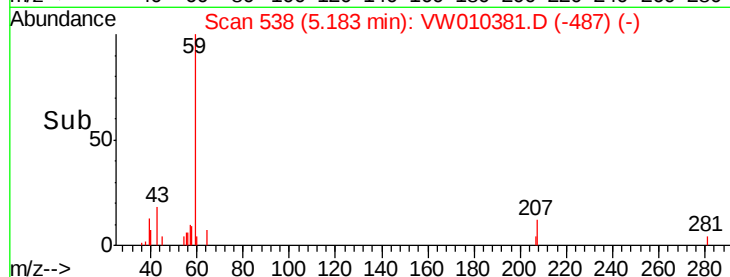
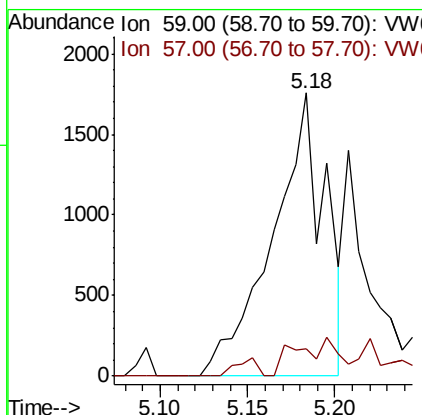
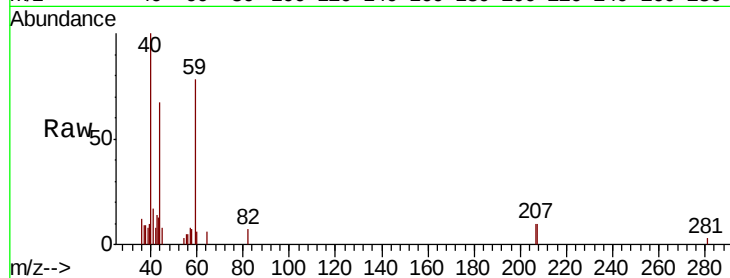


#11

Tert butvl alcohol
 Concen: 8.170 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010381.D
 Acq: 11 May 2019 15:12

Instrument :
 MSVOA_W
 ClientSampled :

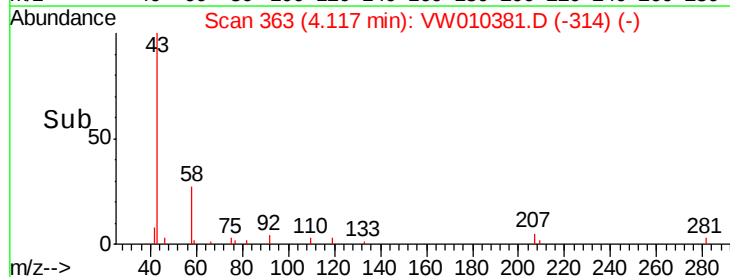
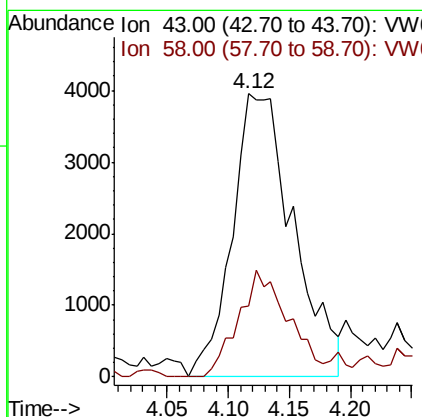
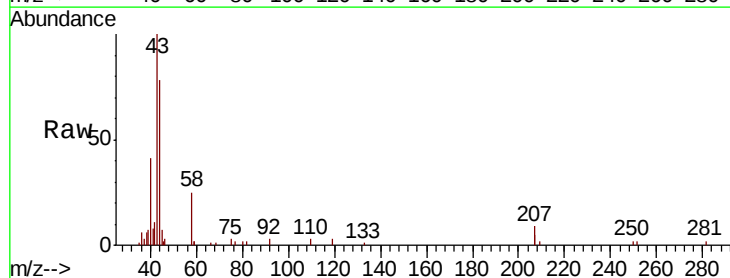
Tot Ion: 59 Resp: 3666
 Ion Ratio Lower Upper
 59 100
 57 6.3 9.0 13.4#

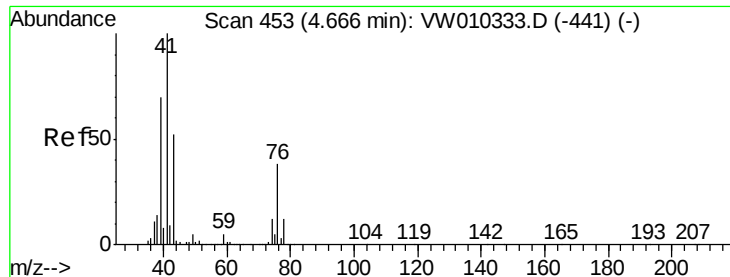


#16

Acetone
 Concen: 8.287 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW010381.D
 Acq: 11 May 2019 15:12

Tgt Ion: 43 Resp: 13726
 Ion Ratio Lower Upper
 43 100
 58 25.2 22.7 34.1

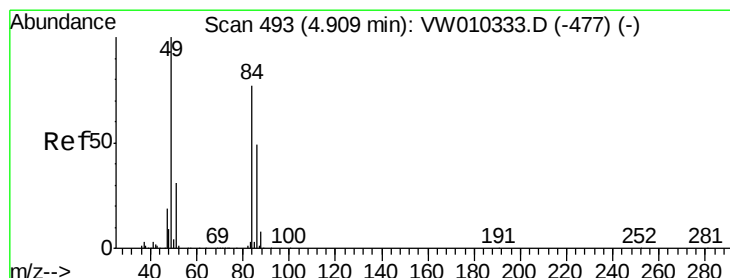
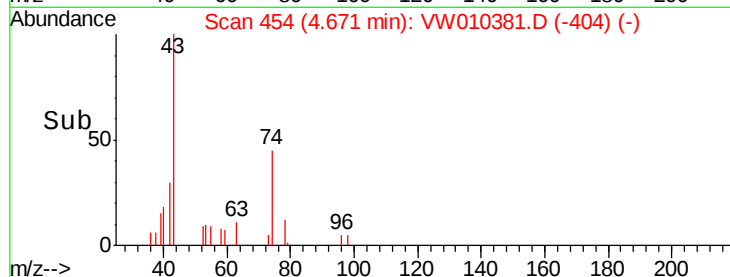
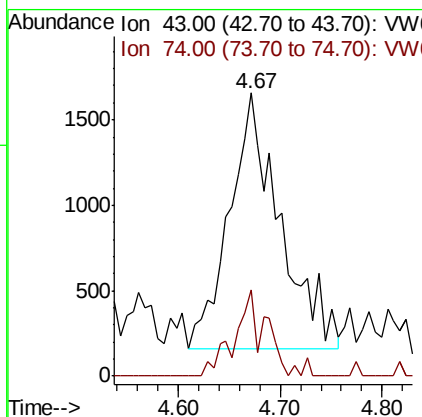
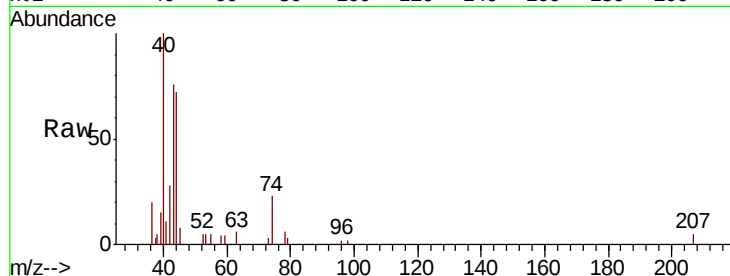




#18
Methyl Acetate
Concen: 1.253 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010381.D
Acq: 11 May 2019 15:12

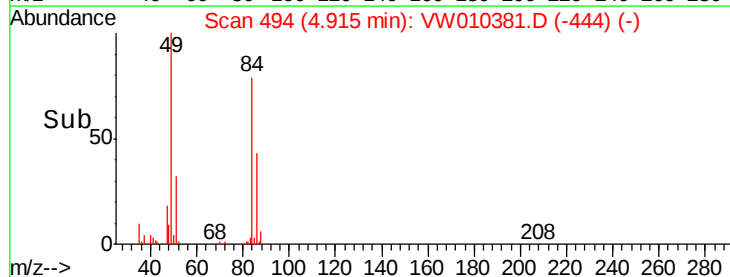
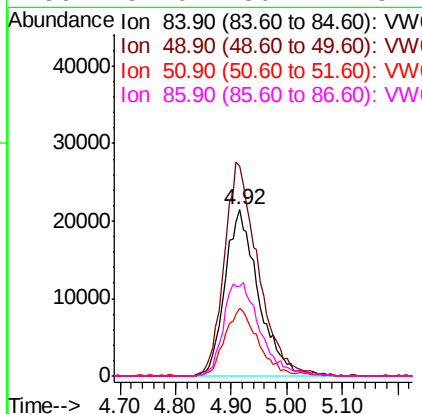
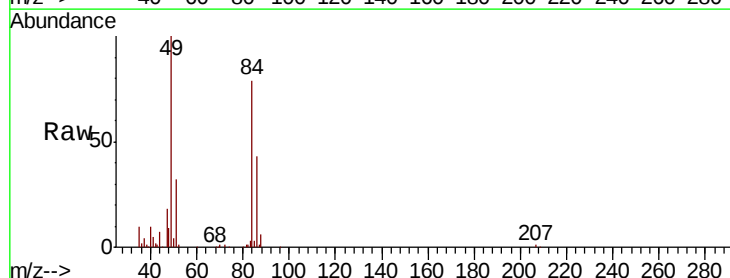
Instrument :
MSVOA_W
ClientSampleId :

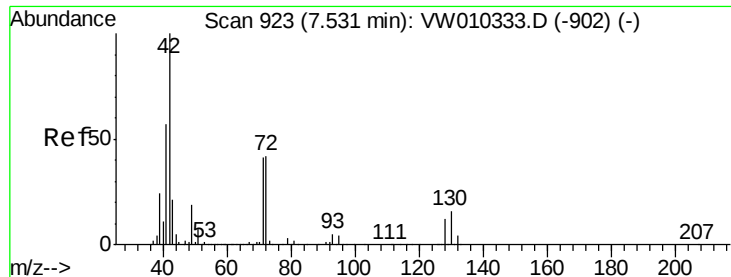
Tot Ion: 43 Resp: 5139
Ion Ratio Lower Upper
43 100
74 13.8 16.8 25.2#



#20
Methylene Chloride
Concen: 12.931 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010381.D
Acq: 11 May 2019 15:12

Tgt Ion: 84 Resp: 89339
Ion Ratio Lower Upper
84 100
49 126.1 112.3 168.5
51 40.5 33.9 50.9
86 54.0 50.2 75.4

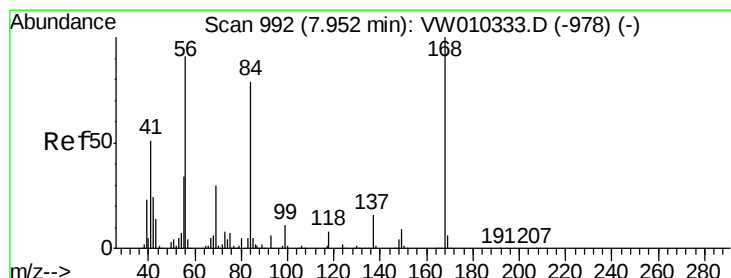
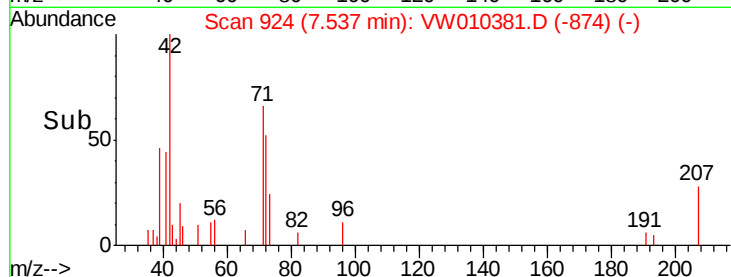
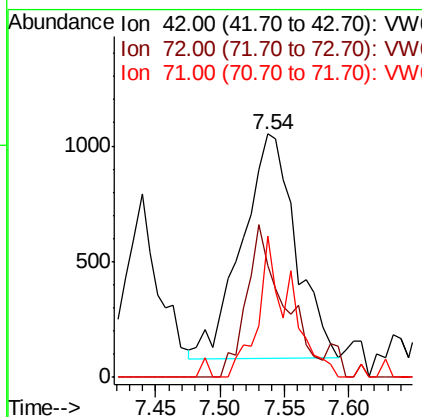
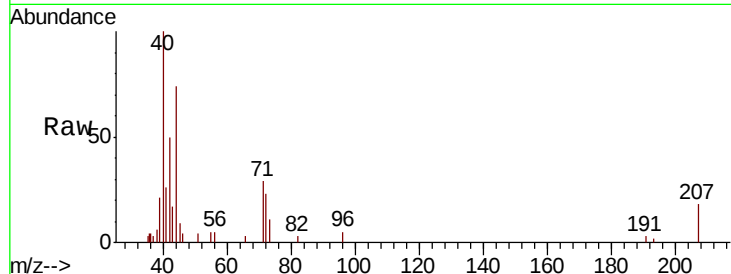




#29
Tetrahydrofuran
Concen: 1.707 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010381.D
Acq: 11 May 2019 15:12

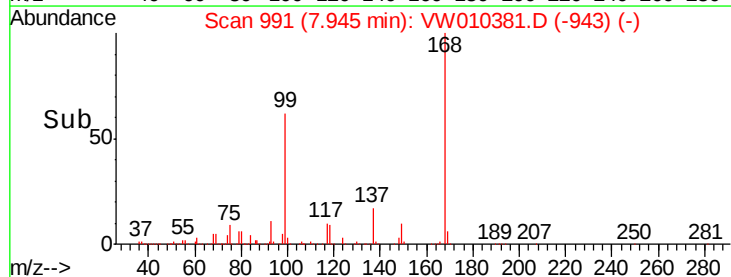
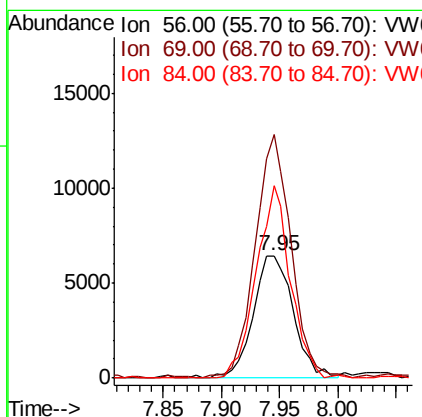
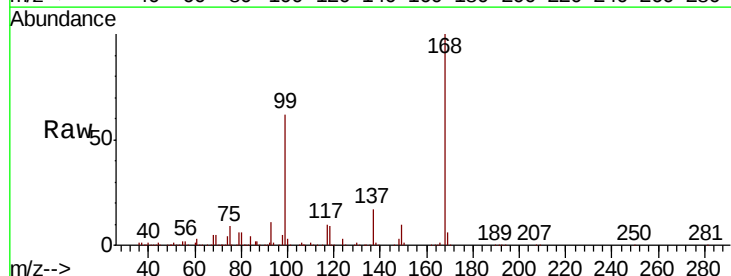
Instrument :
MSVOA_W
ClientSampleId :

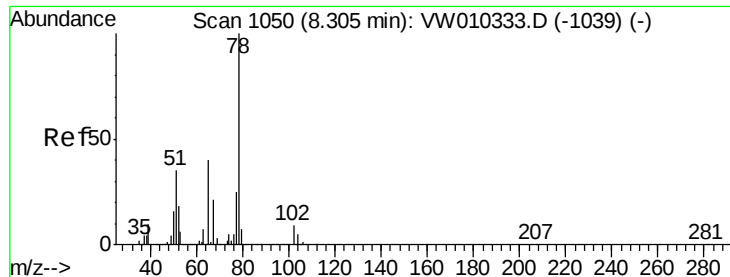
Tot Ion: 42 Resp: 2797
Ion Ratio Lower Upper
42 100
72 47.8 31.0 46.6#
71 37.7 29.7 44.5



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010381.D
Acq: 11 May 2019 15:12

Tgt Ion: 56 Resp: 15329
Ion Ratio Lower Upper
56 100
69 198.5 26.6 40.0#
84 157.2 66.2 99.2#

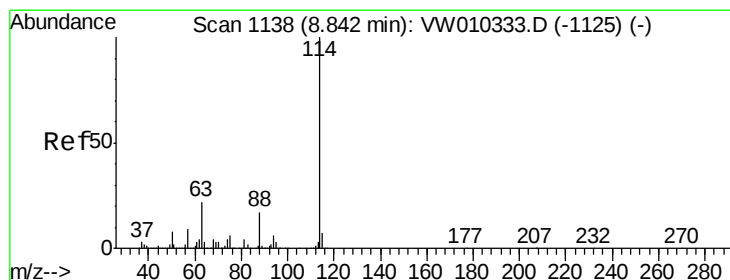
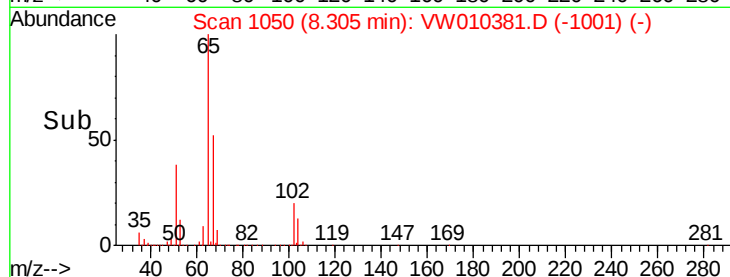
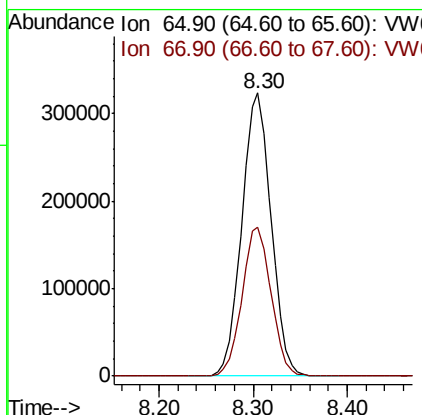
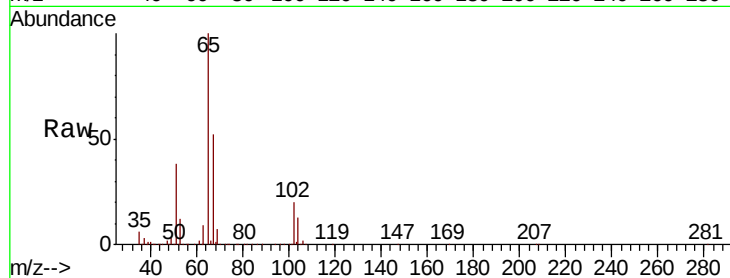




#33
 1,2-Dichloroethane-d4
 Concen: 110.110 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010381.D
 Acq: 11 May 2019 15:12

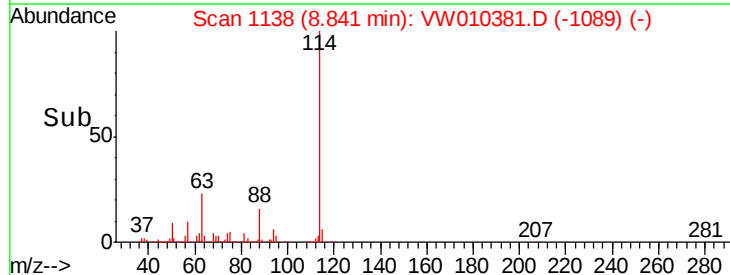
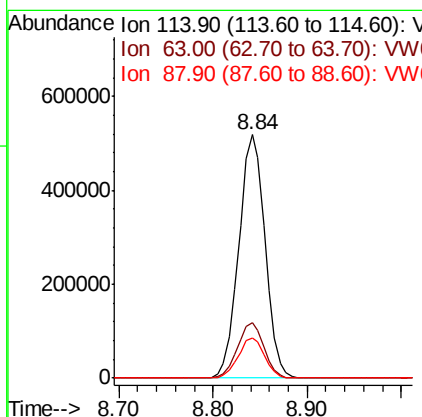
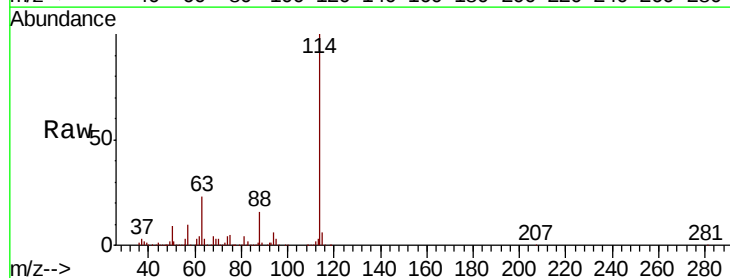
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 MSVOA_W
 ClientSampleId :

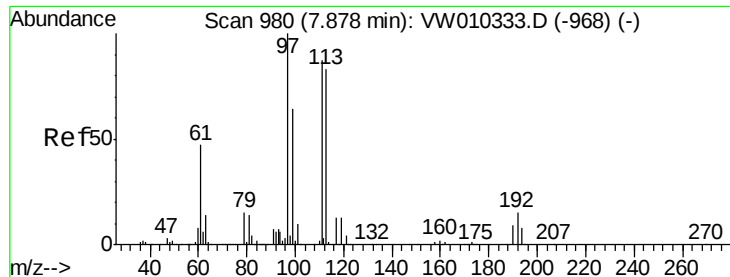
Tot Ion: 65 Resp: 699627
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010381.D
 Acq: 11 May 2019 15:12

Tgt Ion: 114 Resp: 1007382
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 46.2
 88 16.4 0.0 32.6

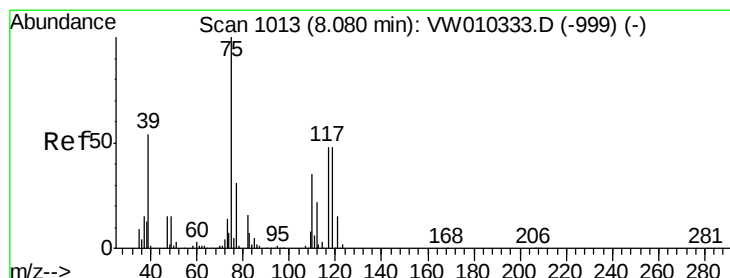
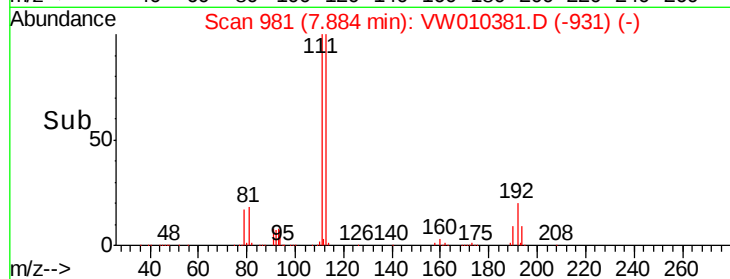
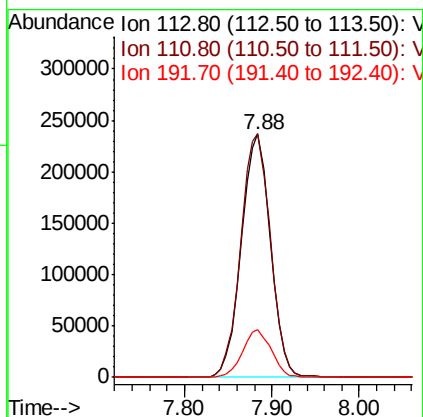
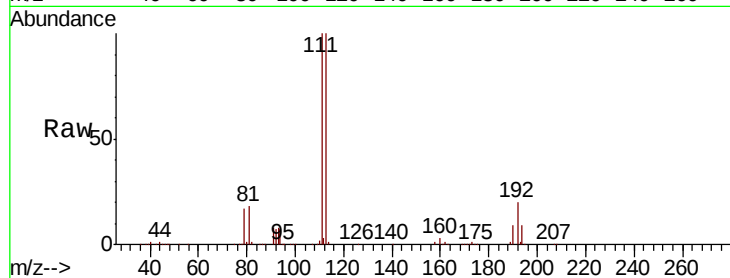




#35
 Dibromofluoromethane
 Concen: 92.565 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010381.D
 Acq: 11 May 2019 15:12

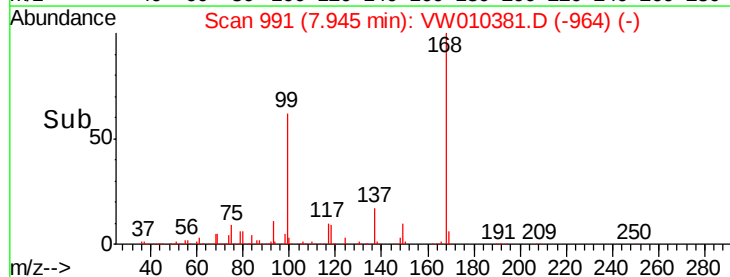
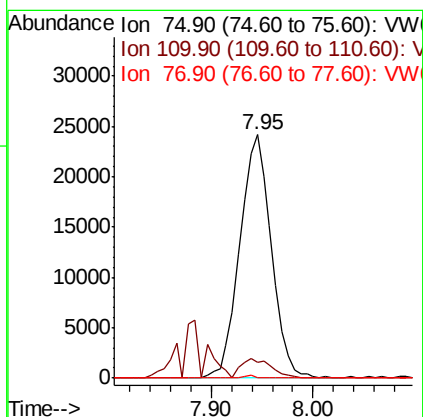
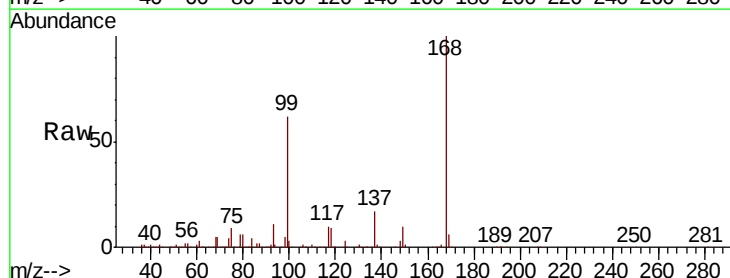
Instrument :
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 ClientSampleId :

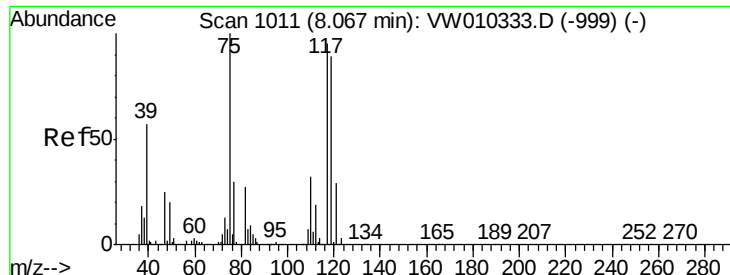
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	19.3	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010381.D
 Acq: 11 May 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.6	49.8#
77	0.6	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.391 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

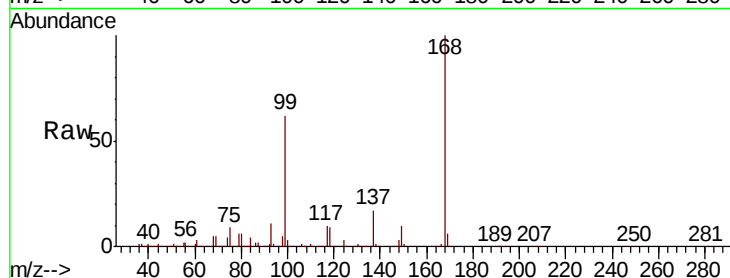
Tot Ion:117 Resp: 59837

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

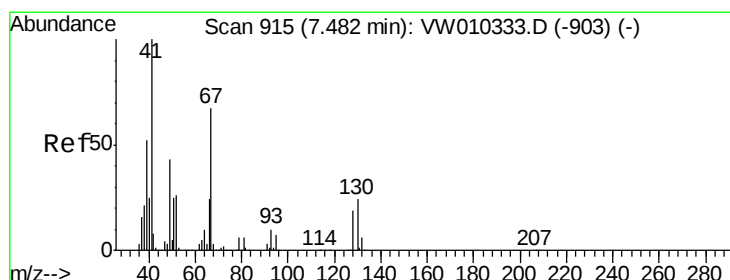
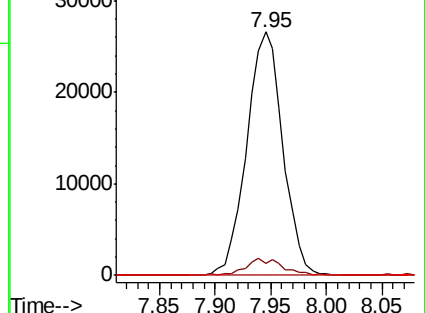
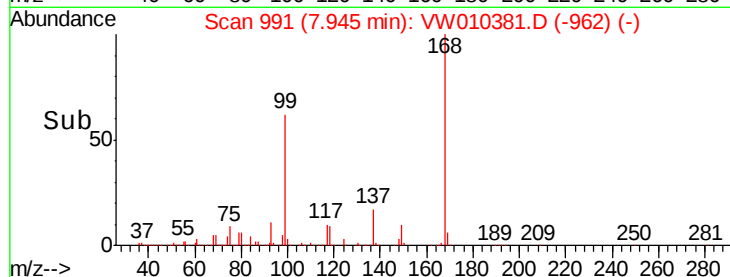
121 0.0 24.4 36.6#



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: 1.269 ug/l

RT: 7.44 min Scan# 908

Delta R.T. -0.04 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

Tgt Ion: 41 Resp: 4139

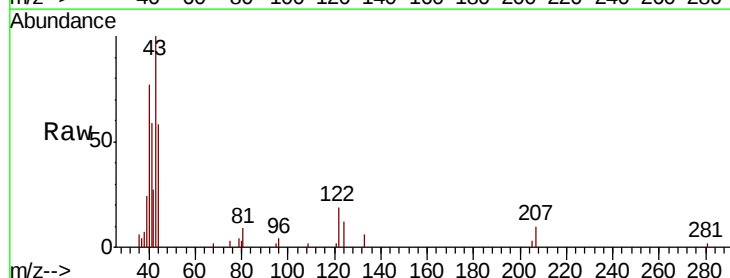
Ion Ratio Lower Upper

41 100

39 53.5 45.0 67.4

67 0.0 50.7 76.1#

52 0.0 22.6 33.8#

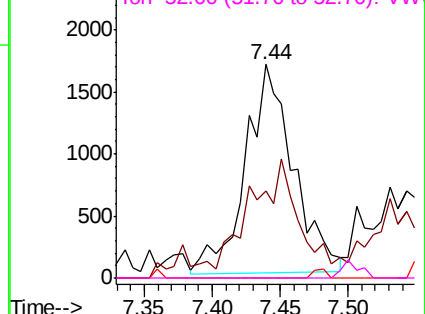
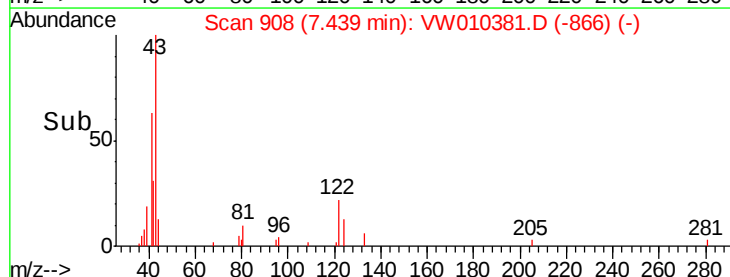


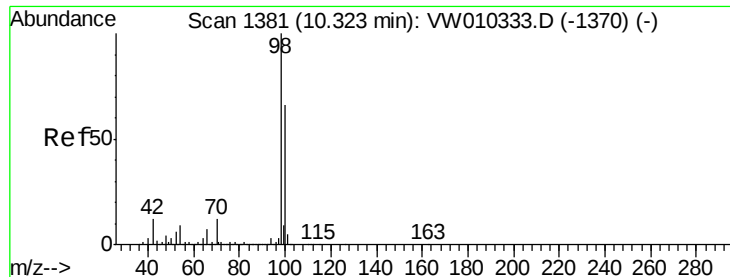
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 35.268 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

Instrument :

MSVOA_W

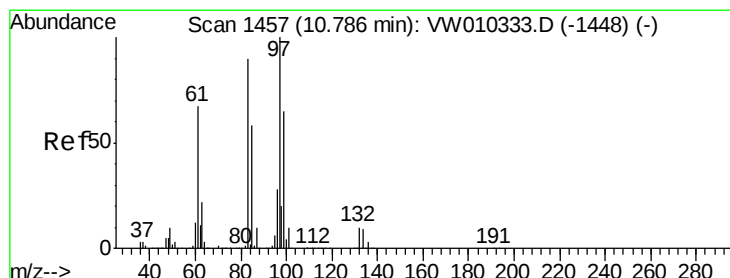
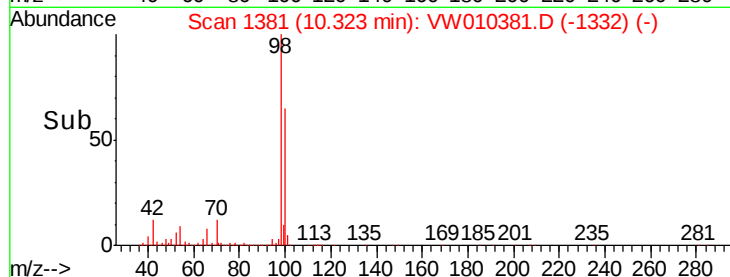
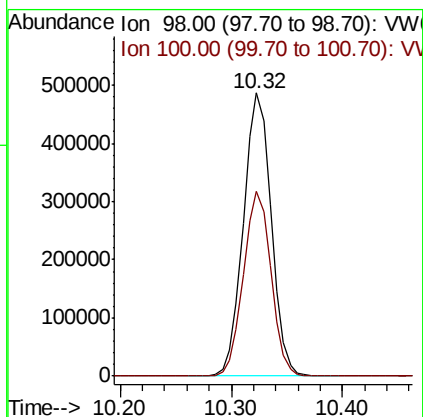
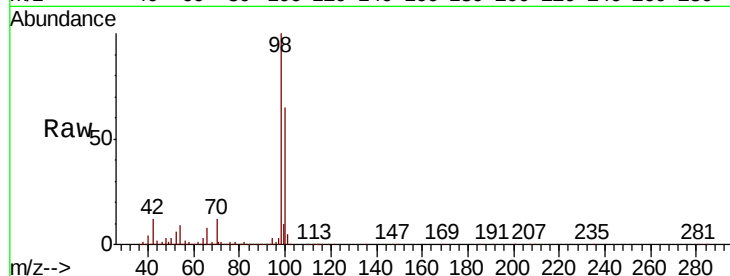
ClientSampled :

Tot Ion: 98 Resp: 846602

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#55

1,1,2-Trichloroethane

Concen: 1.136 ug/l

RT: 10.83 min Scan# 1464

Delta R.T. 0.04 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

Tgt Ion: 97 Resp: 6199

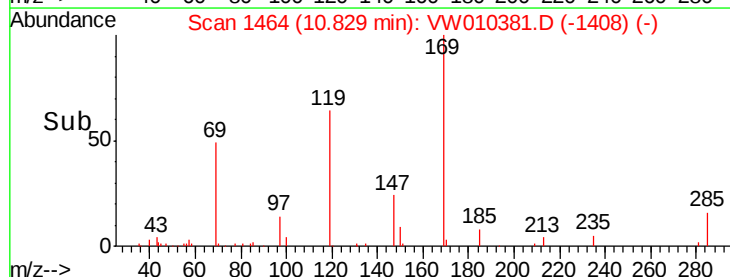
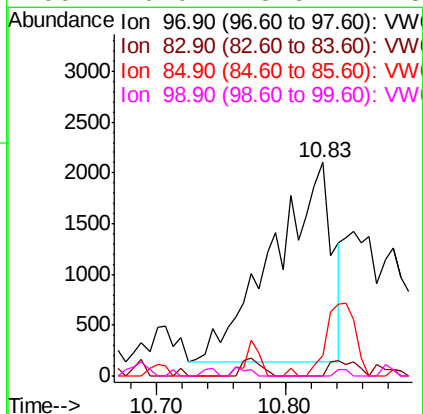
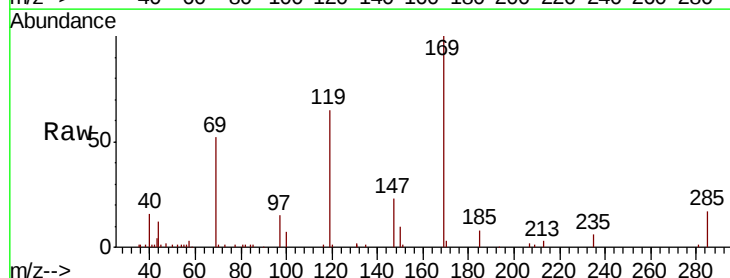
Ion Ratio Lower Upper

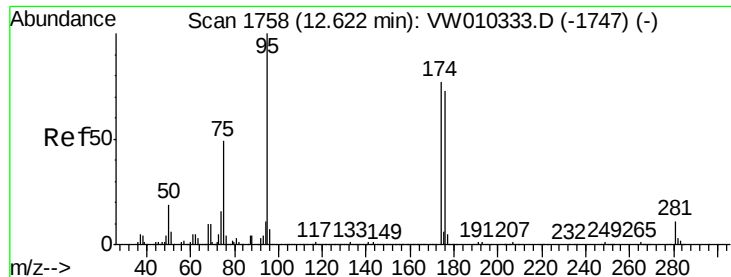
97 100

83 0.0 68.9 103.3#

85 10.1 42.9 64.3#

99 0.0 48.6 72.8#

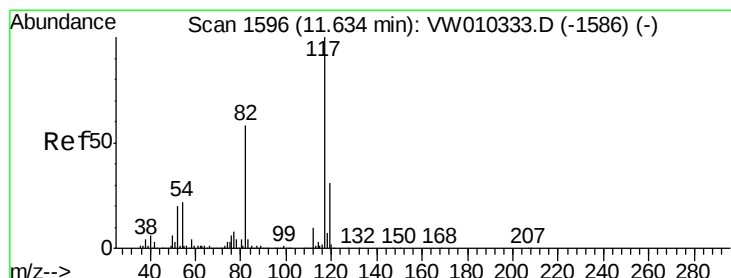
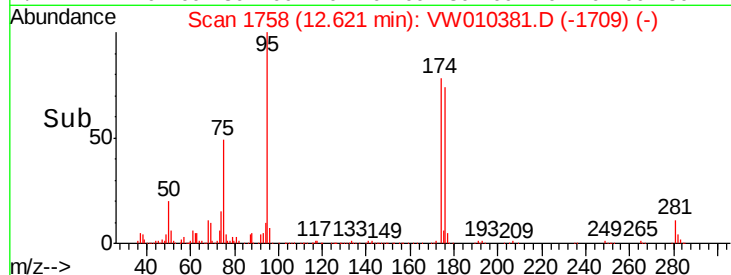
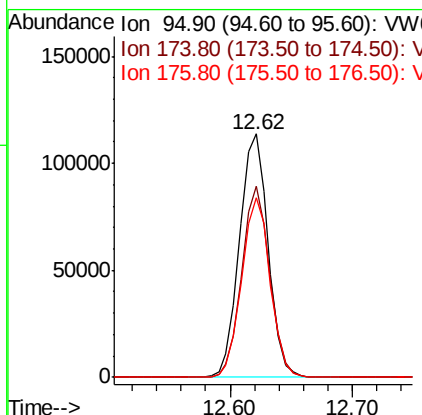
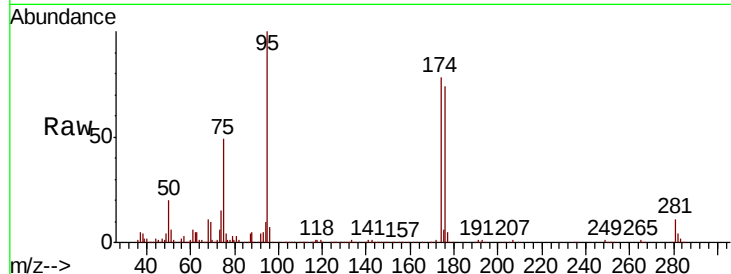




#62
4-Bromofluorobenzene
Concen: 21.816 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010381.D
Acq: 11 May 2019 15:12

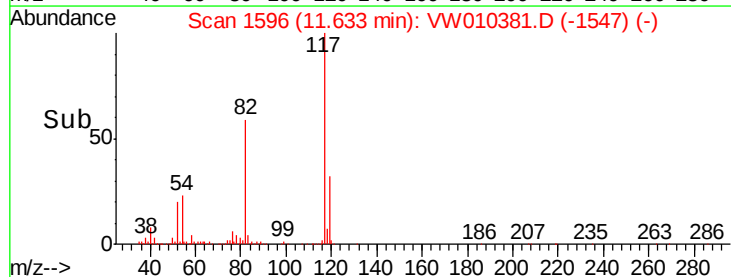
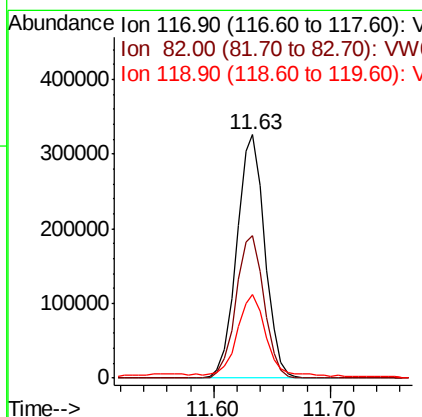
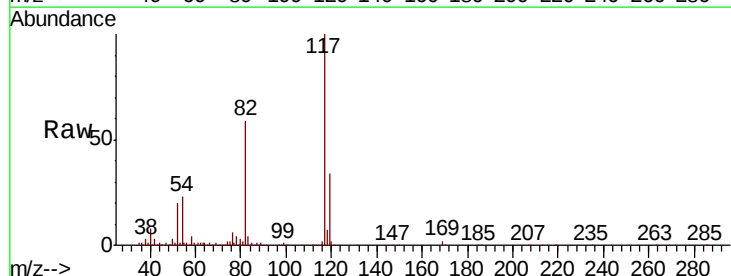
Instrument :
MSVOA_W
ClientSampleId :

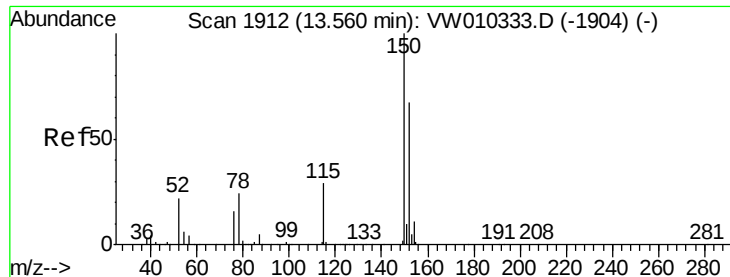
Tot Ion: 95 Resp: 184344
Ion Ratio Lower Upper
95 100
174 77.2 0.0 151.4
176 73.7 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010381.D
Acq: 11 May 2019 15:12

Tgt Ion: 117 Resp: 547219
Ion Ratio Lower Upper
117 100
82 58.8 45.2 67.8
119 33.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

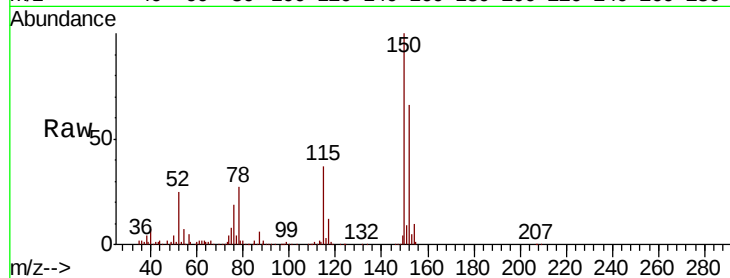
Tot Ion:152 Resp: 120612

Ion Ratio Lower Upper

152 100

115 56.7 30.4 91.2

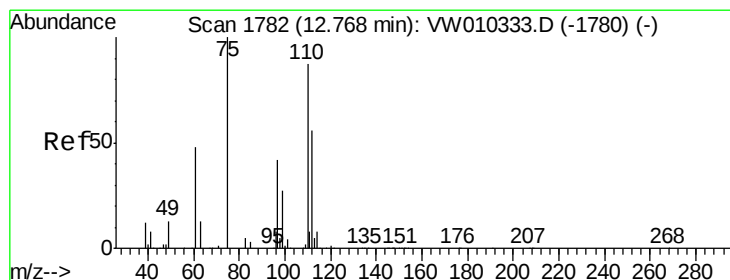
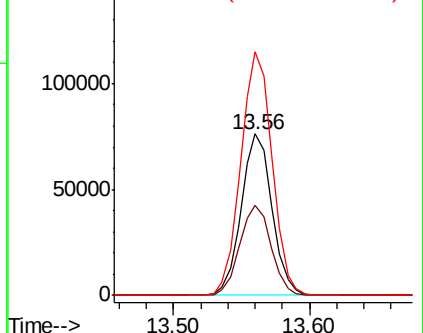
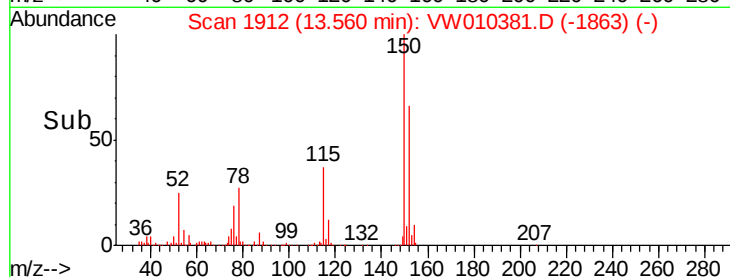
150 153.2 0.0 347.0



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: 66.606 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010381.D

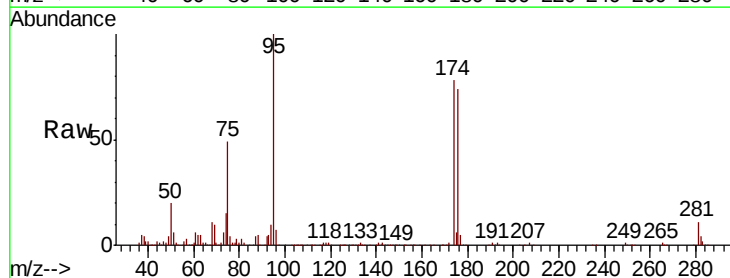
Acq: 11 May 2019 15:12

Tgt Ion: 75 Resp: 93663

Ion Ratio Lower Upper

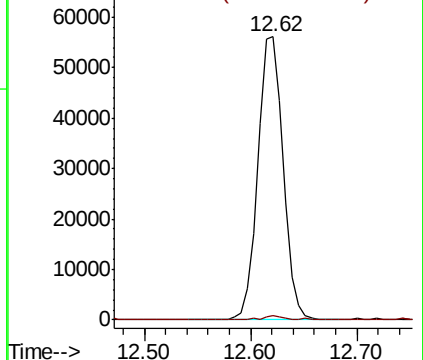
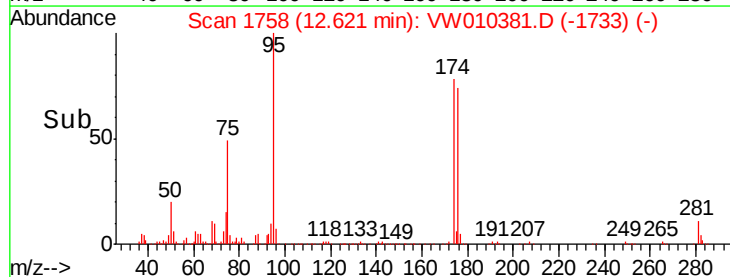
75 100

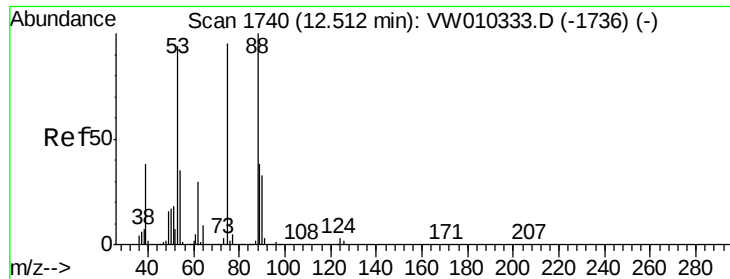
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 150.416 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

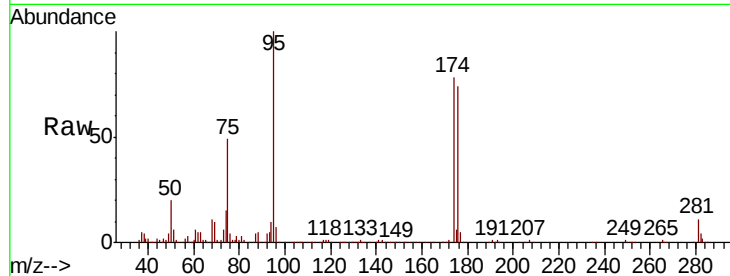
Tot Ion: 75 Resp: 93663

Ion Ratio Lower Upper

75 100

53 0.6 89.8 134.8#

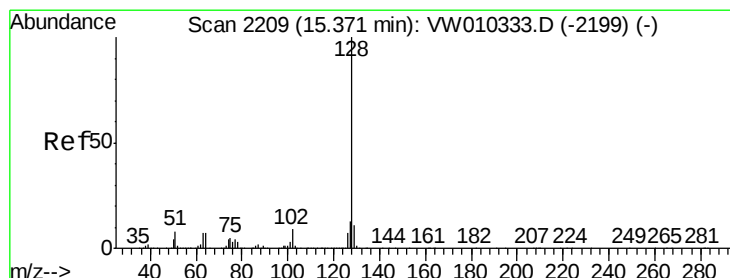
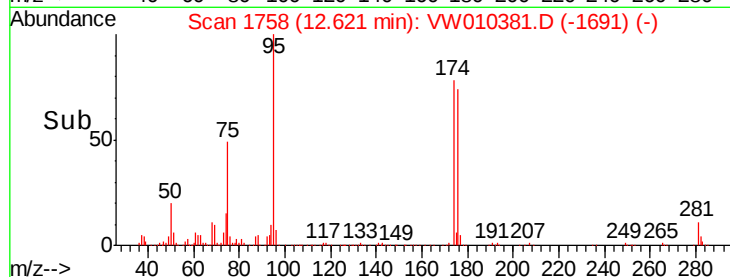
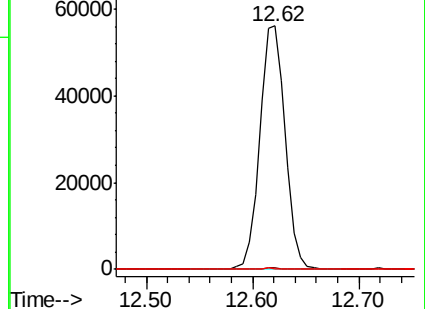
89 0.2 36.6 54.8#



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: 4.410 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010381.D

Acq: 11 May 2019 15:12

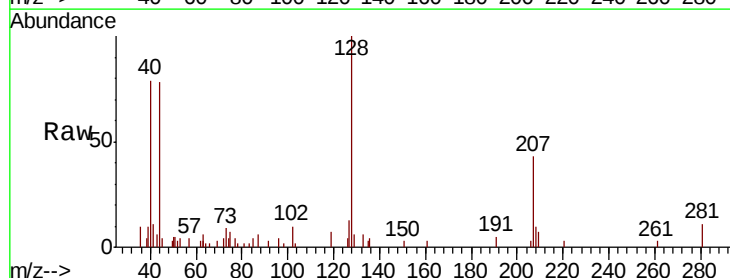
Tgt Ion: 128 Resp: 4806

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 5.2 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

