

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000603.D
 Acq On : 08 Nov 2019 00:37
 Operator : SY/MD
 Sample : K5722-07
 Misc : 7.36G/5ML/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-C

Quant Time: Nov 08 09:52:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	227565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	409827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	362045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	163888	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	134384	57.06	ug/l	0.00
Spiked Amount			Recovery	=	114.12%	
35) Dibromofluoromethane	7.73	113	109648	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
50) Toluene-d8	10.18	98	472785	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.48	95	162247	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

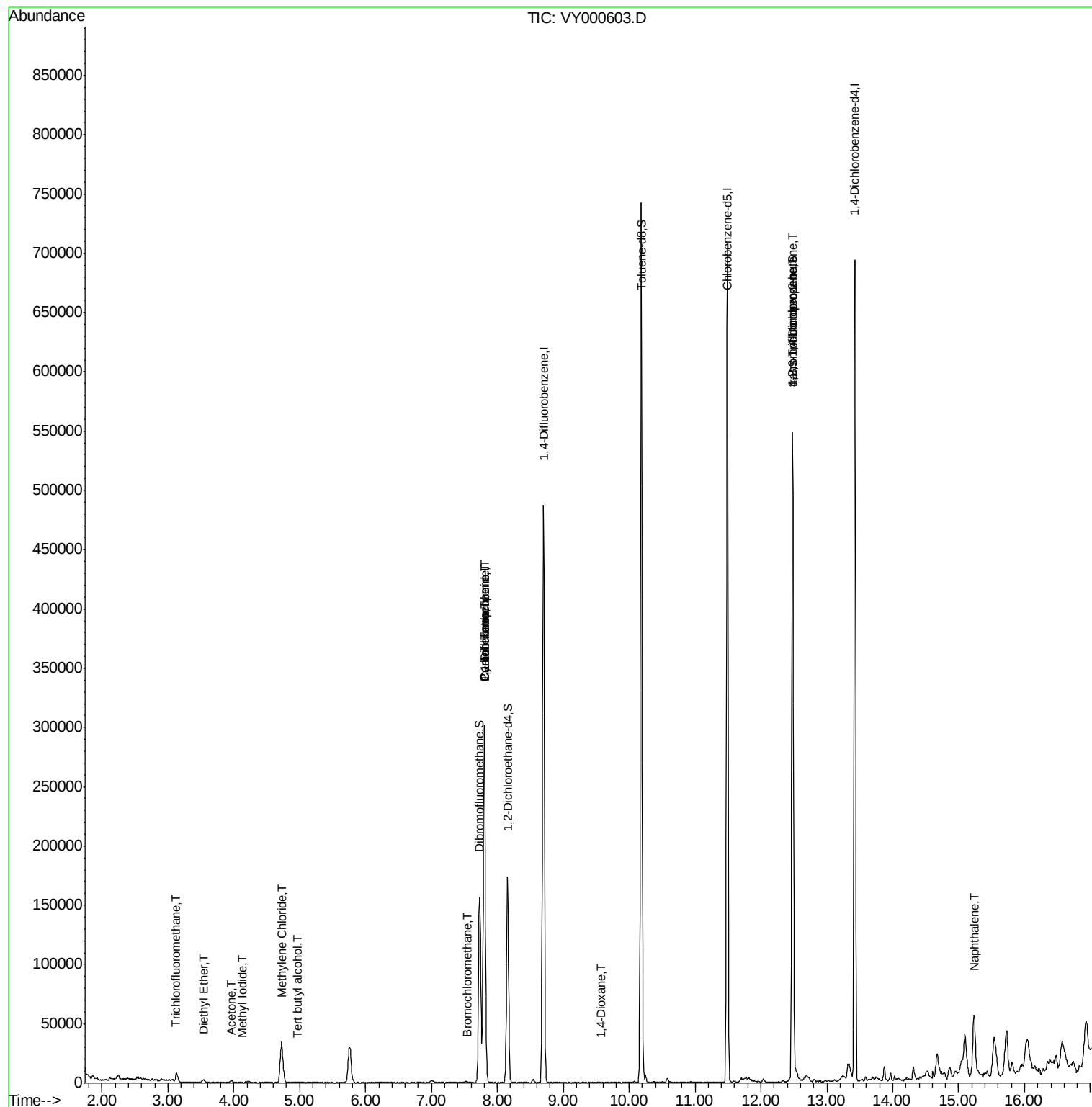
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.13	101	7574	1.957	ug/l	91
8) Diethyl Ether	3.54	74	1726	1.255	ug/l	93
10) Methyl Iodide	4.12	142	35	3.210	ug/l #	1
11) Tert butyl alcohol	4.97	59	462	2.015	ug/l #	72
16) Acetone	3.96	43	3131	4.824	ug/l	92
20) Methylene Chloride	4.72	84	23452	8.432	ug/l	89
28) Bromochloromethane	7.55	49	19	4.101	ug/l #	14
31) Cyclohexane	7.81	56	5461	1.198	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	18712	4.830	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22711	6.092	ug/l #	14
49) 1,4-Dioxane	9.58	88	66	3.190	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	88004	47.160	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88004	105.738	ug/l #	13
95) Naphthalene	15.23	128	10878	1.474	ug/l #	72

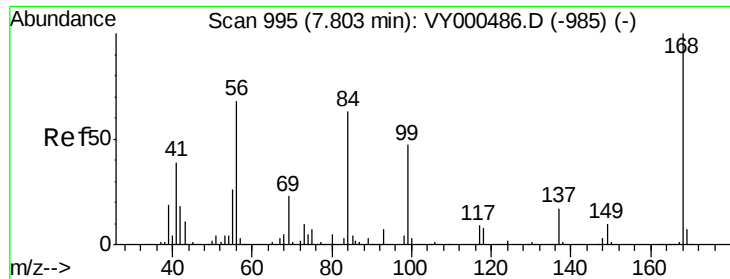
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

Instrument :

MSVOA_Y

ClientSampled :

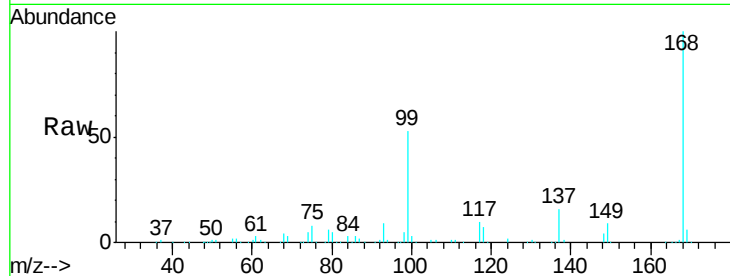
5-C

Tgt Ion:168 Resp: 227565

Ion Ratio Lower Upper

168 100

99 53.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

120000

100000

80000

60000

40000

20000

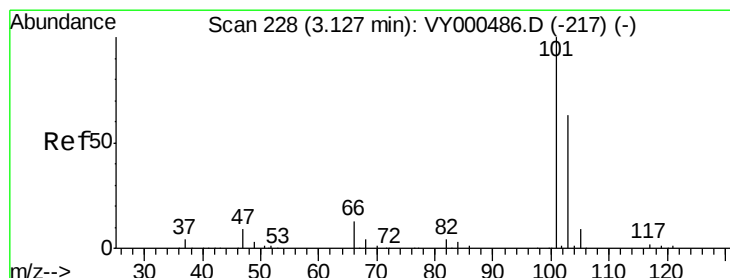
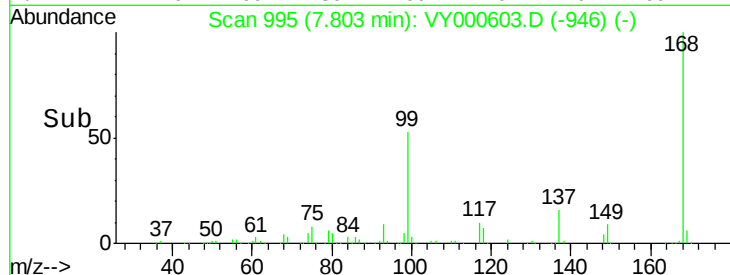
0

7.70

7.80

7.90

Time-->



#7

Trichlorofluoromethane

Concen: 1.957 ug/l

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000603.D

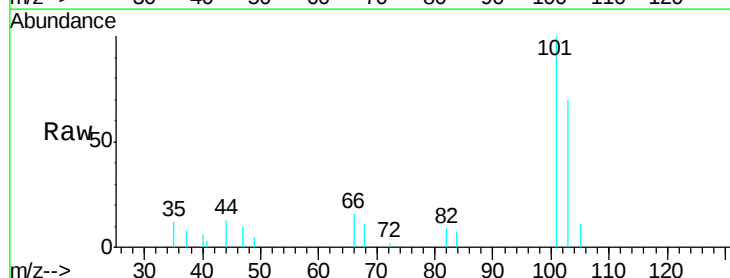
Acq: 08 Nov 2019 00:37

Tgt Ion:101 Resp: 7574

Ion Ratio Lower Upper

101 100

103 70.4 50.5 75.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

4000

3000

2000

1000

0

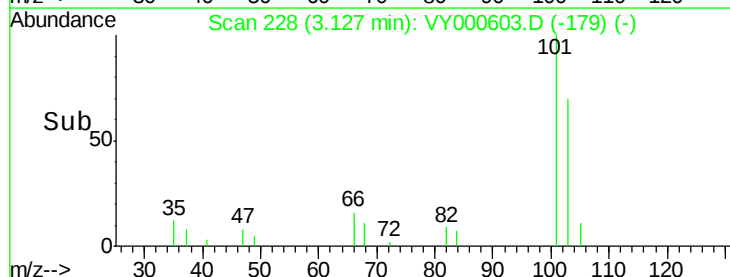
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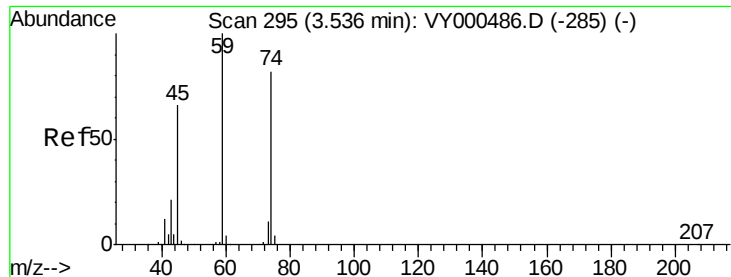
3.10

3.15

3.20

Time-->





#8

Diethyl Ether

Concen: 1.255 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

Instrument :

MSVOA_Y

ClientSampled :

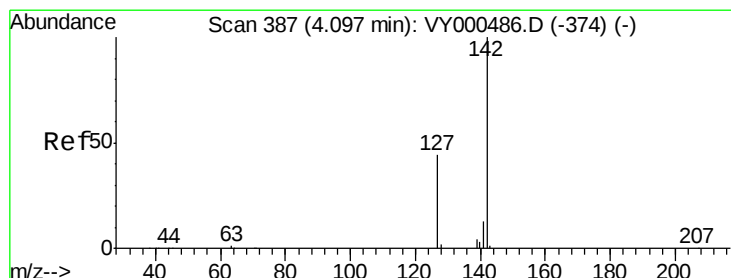
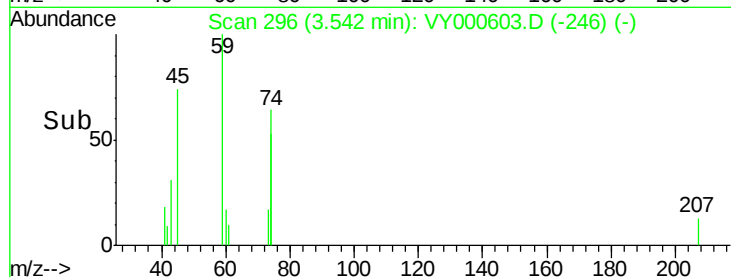
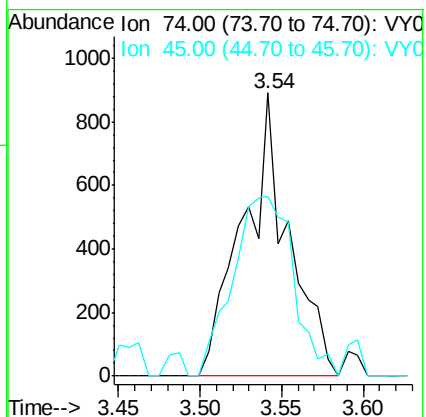
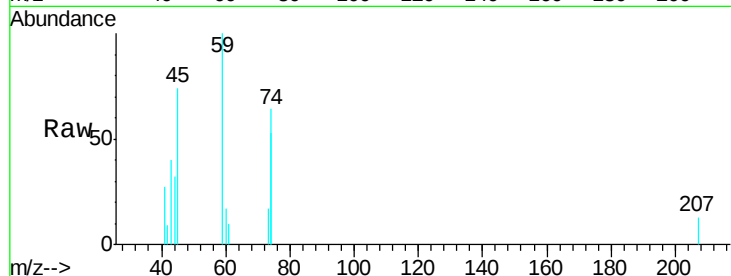
5-C

Tgt Ion: 74 Resp: 1726

Ion Ratio Lower Upper

74 100

45 84.5 45.5 136.4



#10

Methyl Iodide

Concen: 3.210 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.03 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

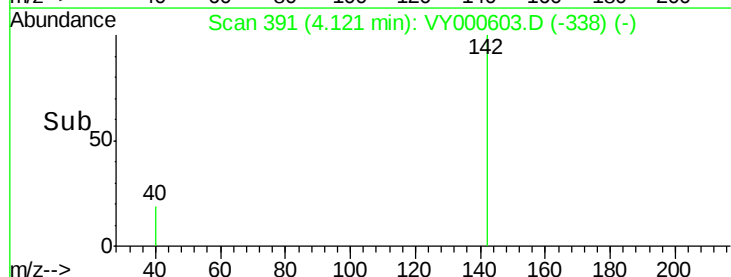
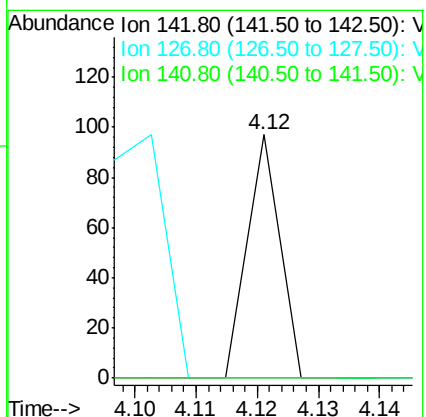
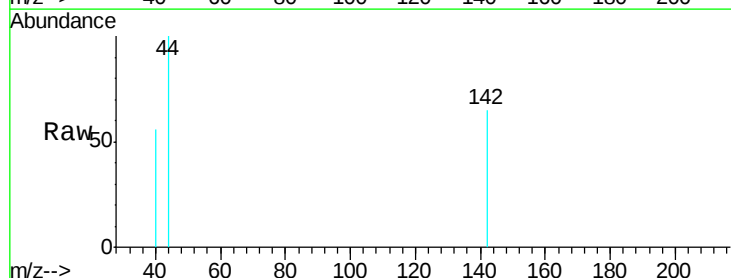
Tgt Ion: 142 Resp: 35

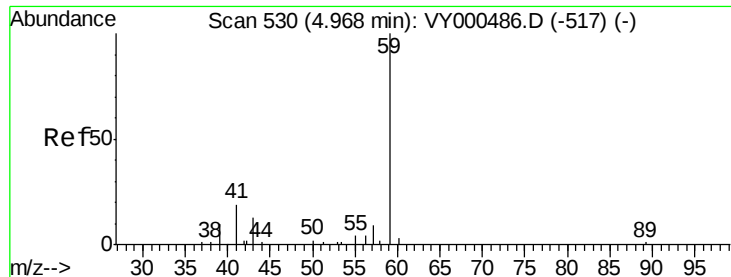
Ion Ratio Lower Upper

142 100

127 191.4 33.7 50.5#

141 0.0 10.9 16.3#

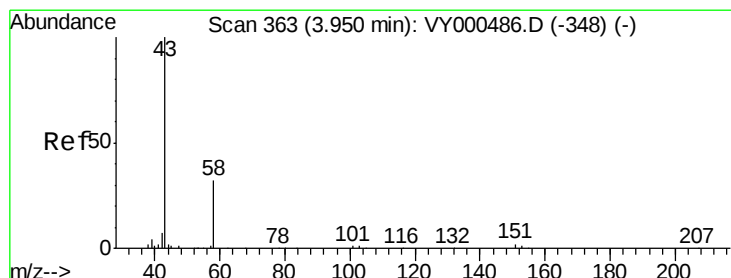
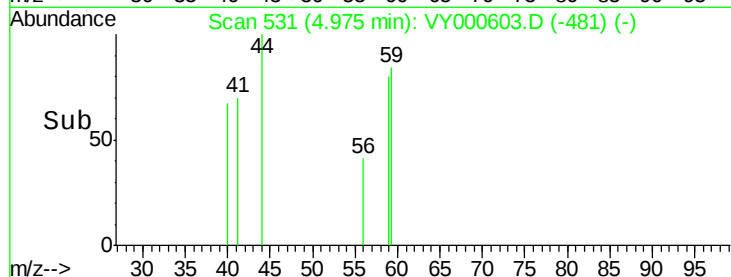
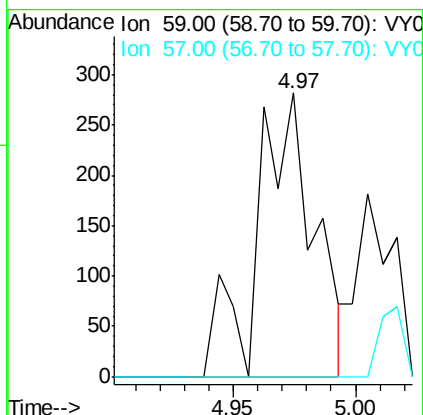
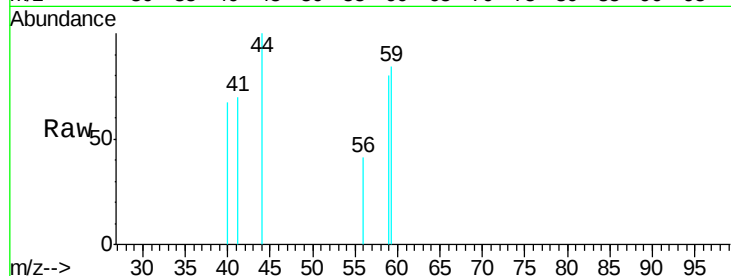




#11
Tert butyl alcohol
Concen: 2.015 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

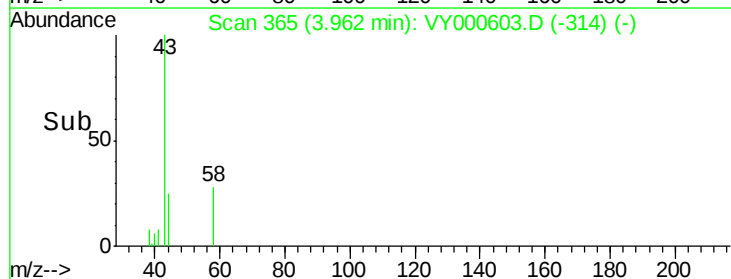
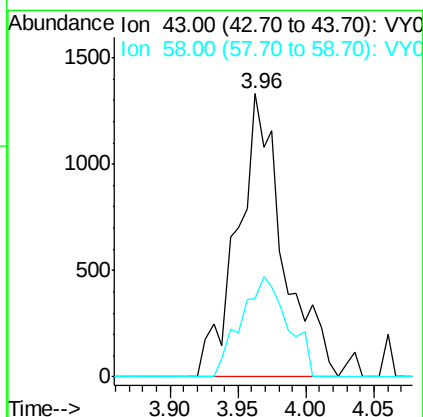
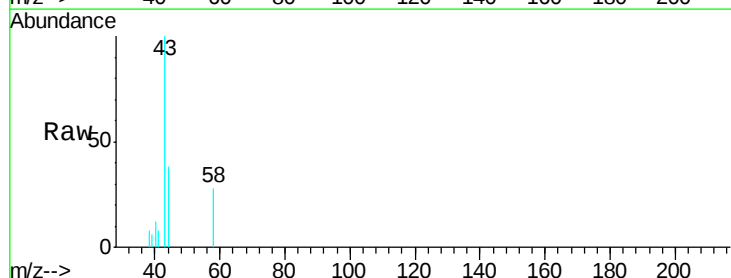
Instrument :
MSVOA_Y
ClientSampled :
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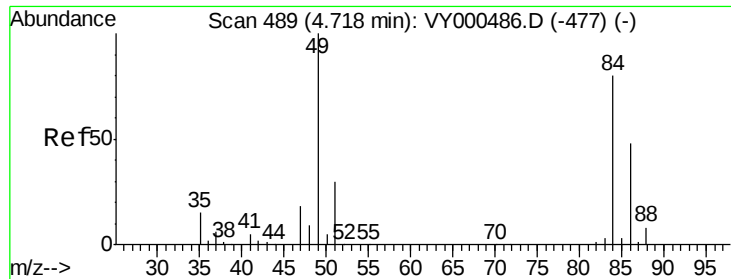
Tgt Ion: 59 Resp: 462
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 4.824 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

Tgt Ion: 43 Resp: 3131
Ion Ratio Lower Upper
43 100
58 27.6 25.8 38.6

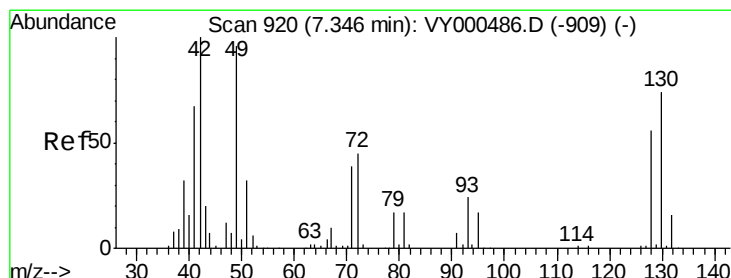
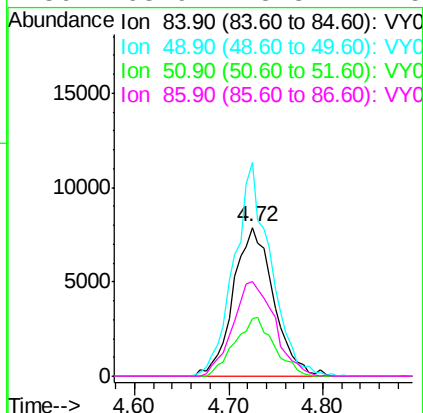
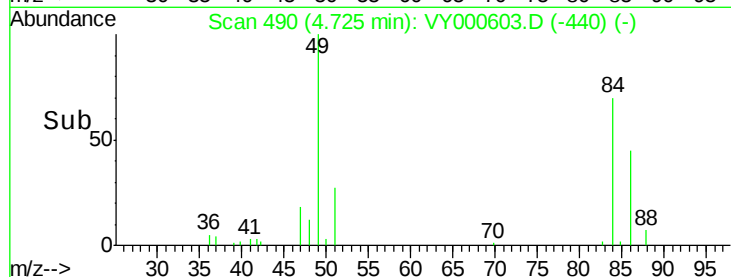
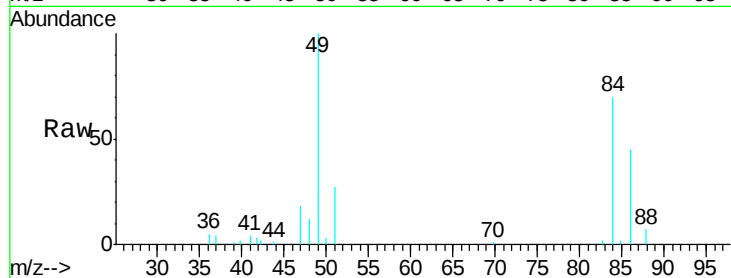




#20
Methylene Chloride
Concen: 8.432 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

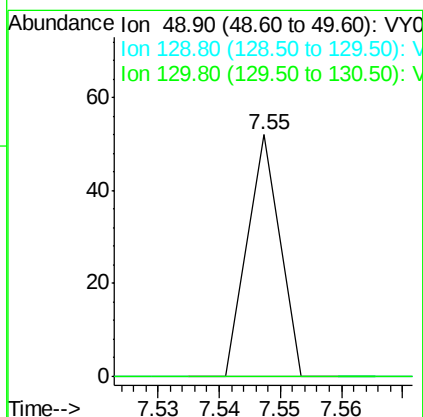
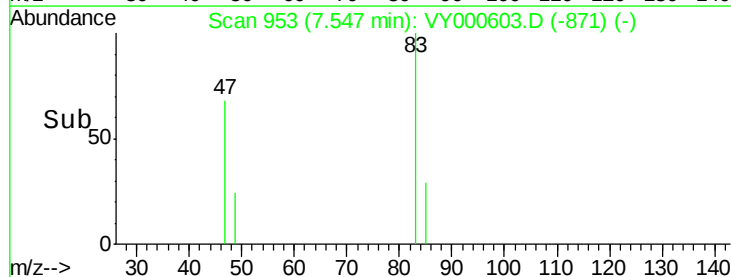
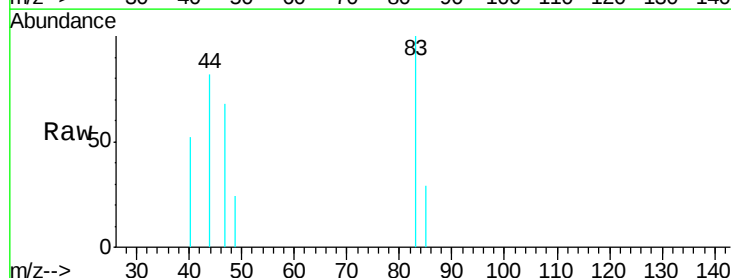
Instrument :
MSVOA_Y
ClientSampleId :
5-C

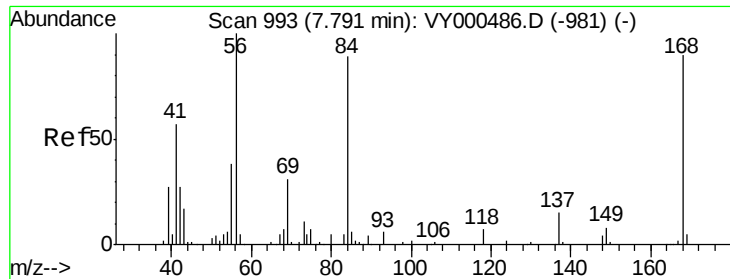
Tgt Ion: 84 Resp: 23452
Ion Ratio Lower Upper
84 100
49 143.4 100.2 150.4
51 38.8 29.6 44.4
86 63.9 48.3 72.5



#28
Bromochloromethane
Concen: 4.101 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.20 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

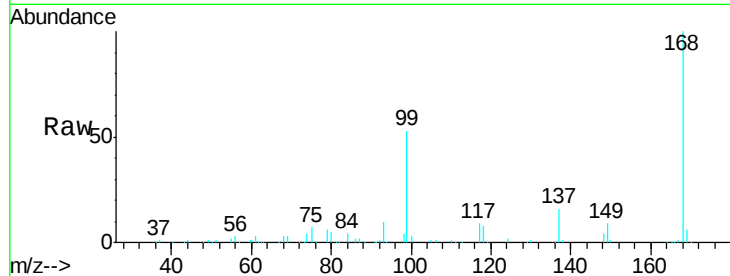




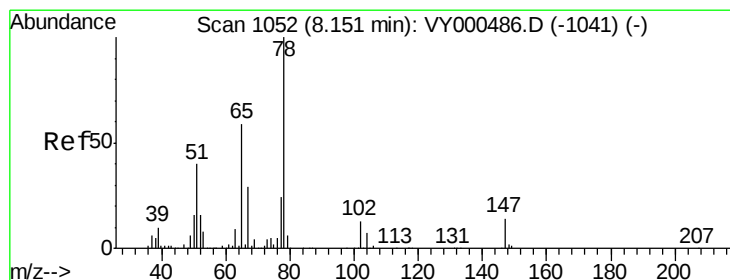
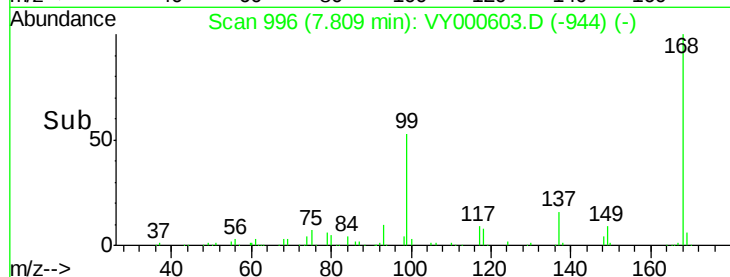
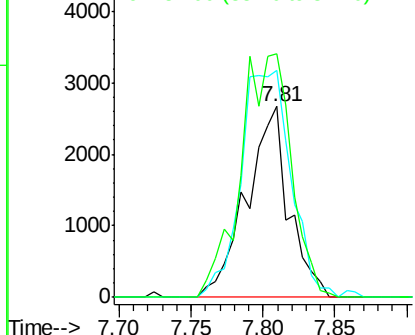
#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.02 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

Instrument :
MSVOA_Y
ClientSampled :
5-C

Tgt Ion: 56 Resp: 5461
Ion Ratio Lower Upper
56 100
69 118.6 25.0 37.6#
84 127.5 71.4 107.2#

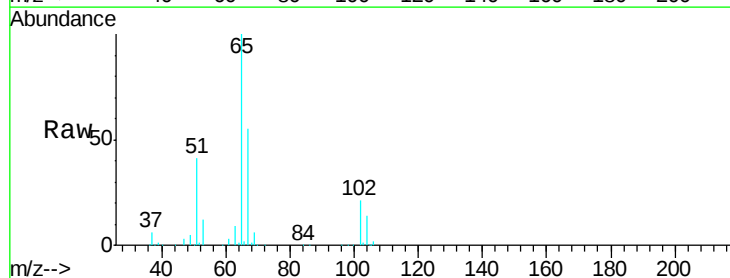


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

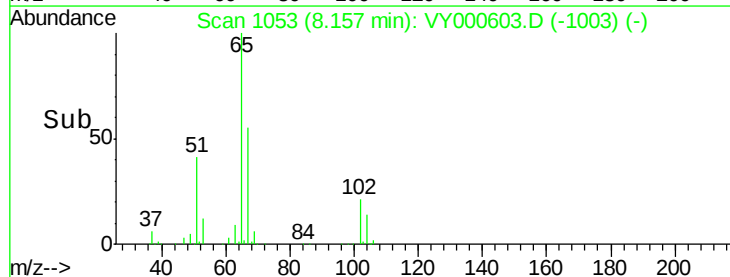
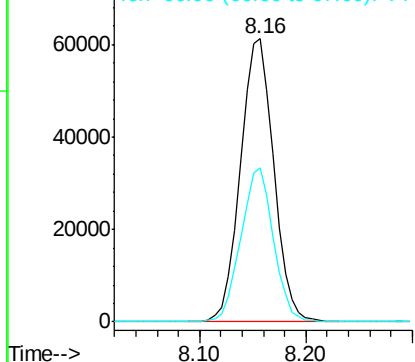


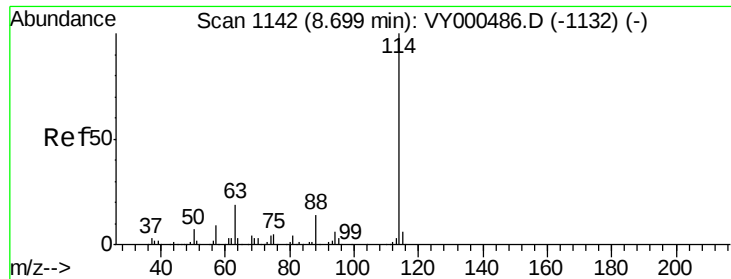
#33
1,2-Dichloroethane-d4
Concen: 57.063 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

Tgt Ion: 65 Resp: 134384
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

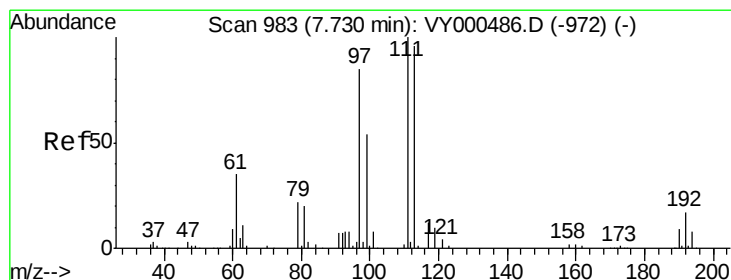
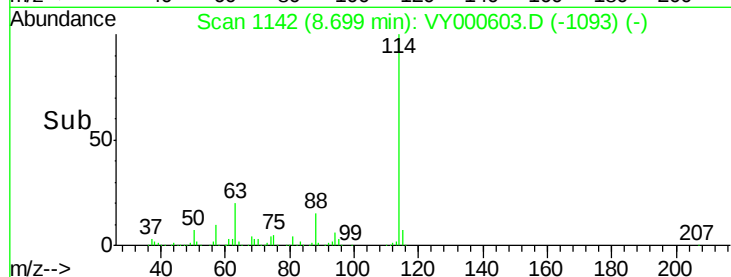
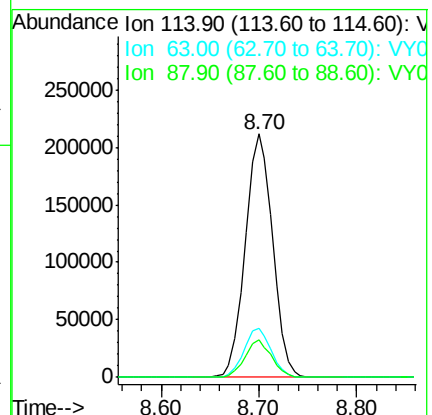
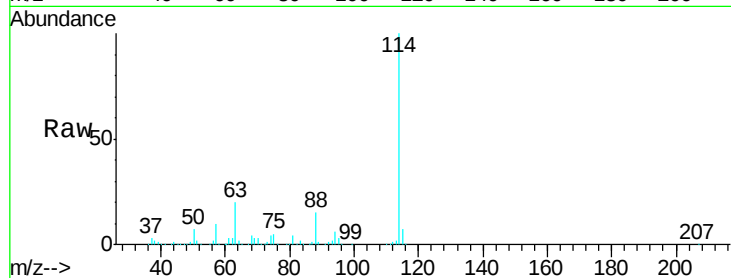




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000603.D
 Acq: 08 Nov 2019 00:37

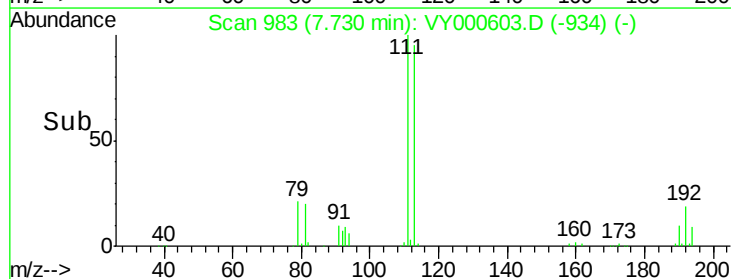
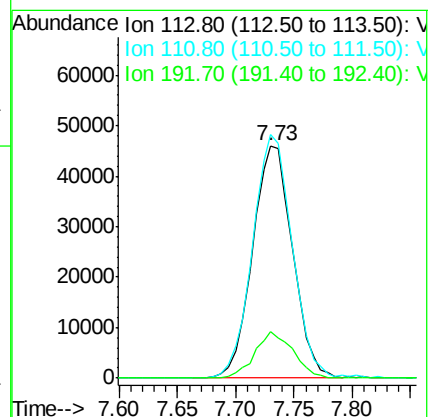
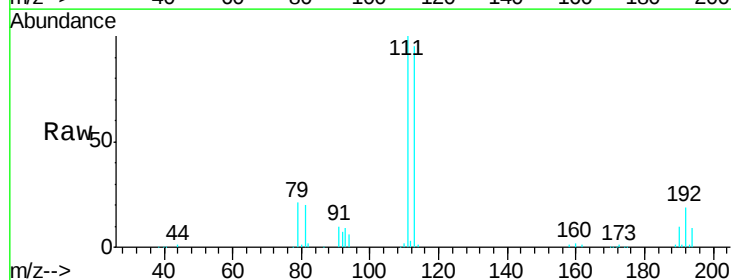
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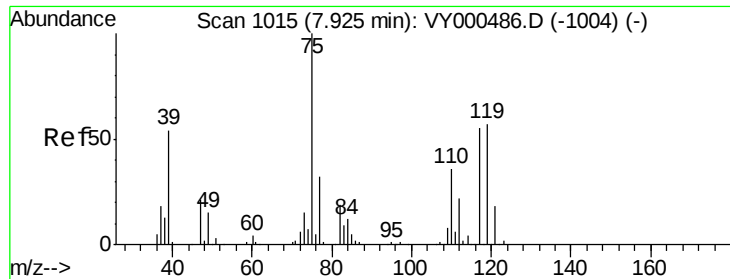
Tgt Ion:114 Resp: 409827
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.0
 88 15.4 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 45.574 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000603.D
 Acq: 08 Nov 2019 00:37

Tgt Ion:113 Resp: 109648
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.7 122.5
 192 19.0 15.0 22.4

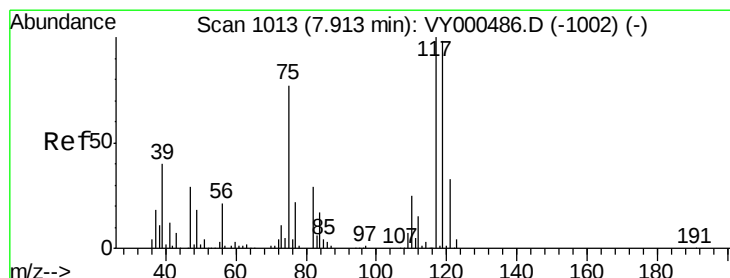
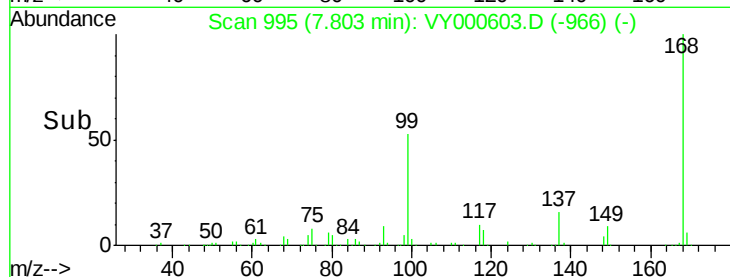
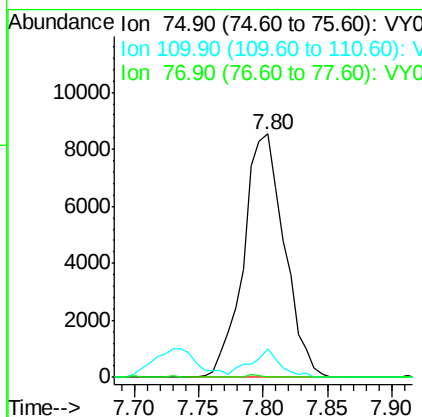
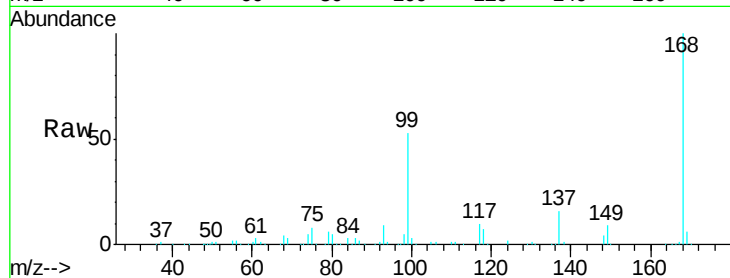




#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000603.D
 Acq: 08 Nov 2019 00:37

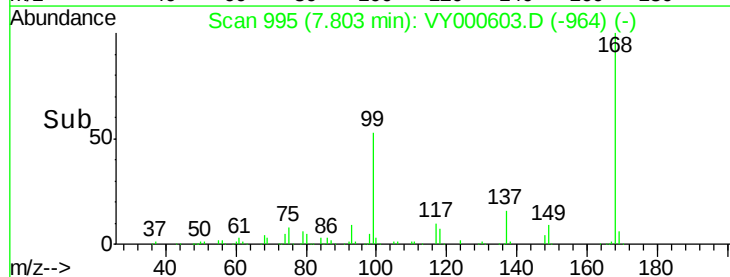
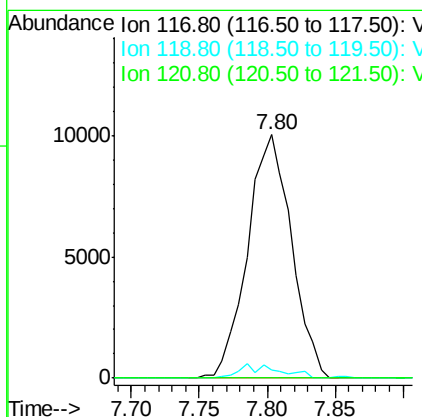
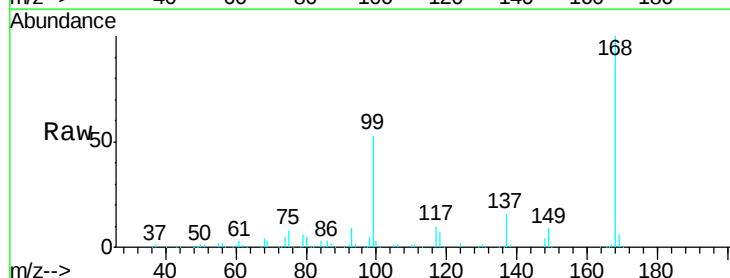
Instrument :
 MSVOA_Y
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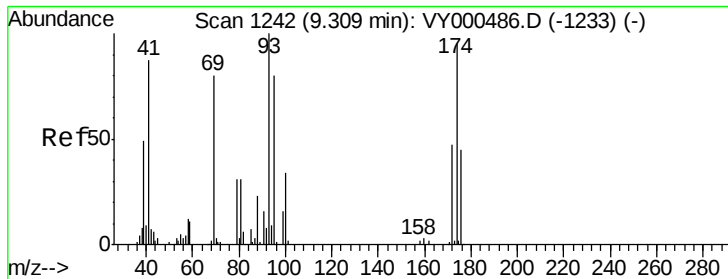
Tgt Ion: 75 Resp: 18712
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.1#
 77 0.3 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.092 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000603.D
 Acq: 08 Nov 2019 00:37

Tgt Ion: 117 Resp: 22711
 Ion Ratio Lower Upper
 117 100
 119 3.3 78.0 117.0#
 121 0.0 26.6 40.0#

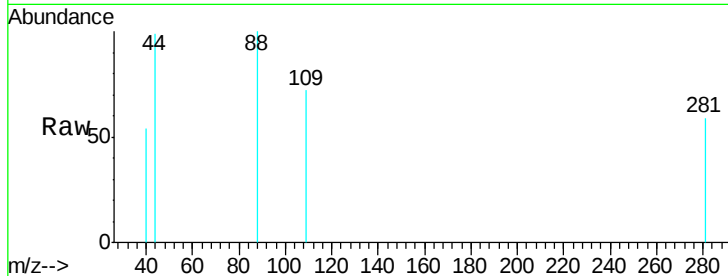




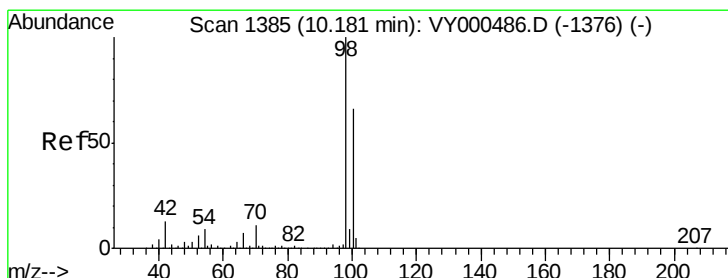
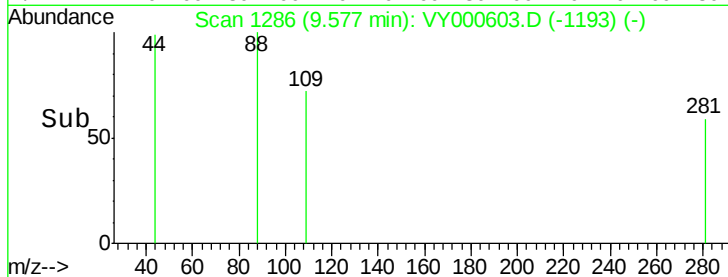
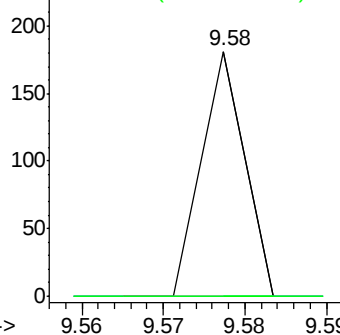
#49
 1,4-Dioxane
 Concen: 3.190 ug/l
 RT: 9.58 min Scan# 1286
 Delta R.T. 0.27 min
 Lab File: VY000603.D
 Acq: 08 Nov 2019 00:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-C

Tgt Ion: 88 Resp: 66
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.1 37.7#
 58 0.0 50.6 75.8#

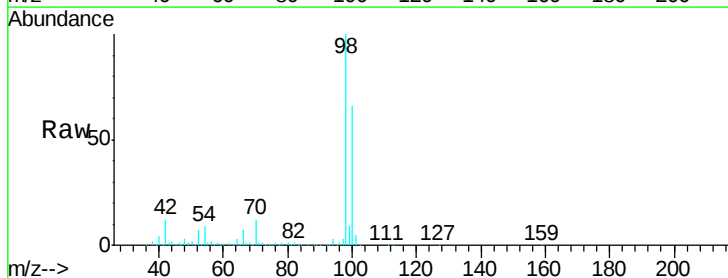


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

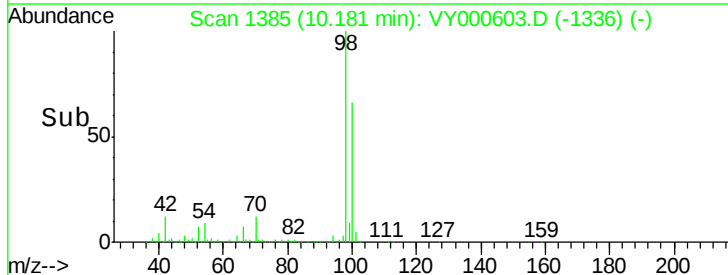
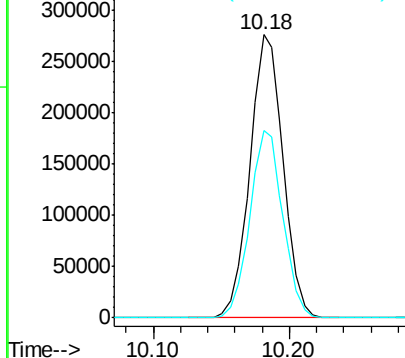


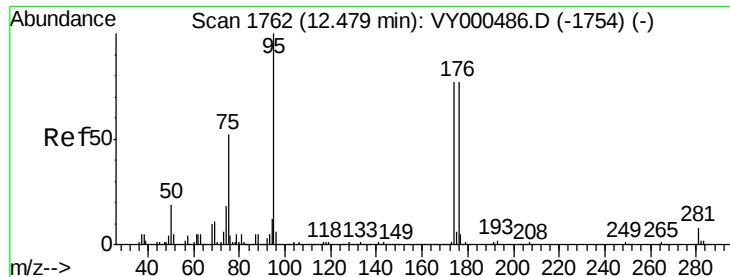
#50
 Toluene-d8
 Concen: 51.788 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000603.D
 Acq: 08 Nov 2019 00:37

Tgt Ion: 98 Resp: 472785
 Ion Ratio Lower Upper
 98 100
 100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 46.683 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

Instrument :

MSVOA_Y

ClientSampled :

5-C

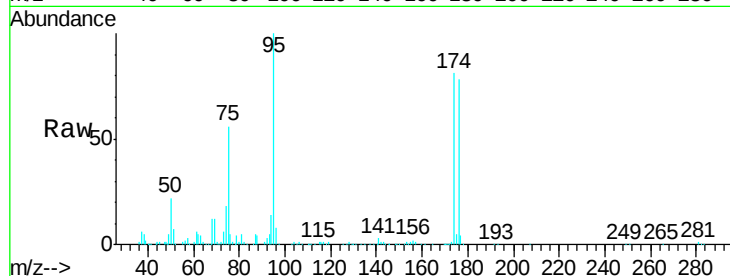
Tgt Ion: 95 Resp: 162247

Ion Ratio Lower Upper

95 100

174 80.0 0.0 161.6

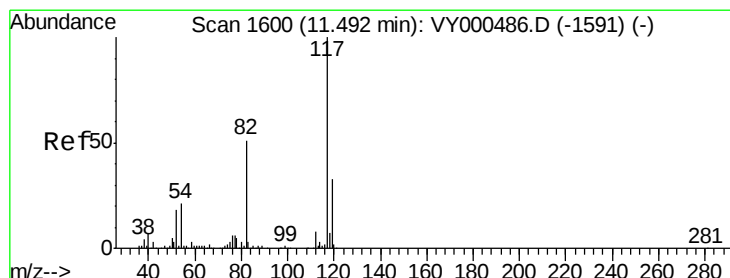
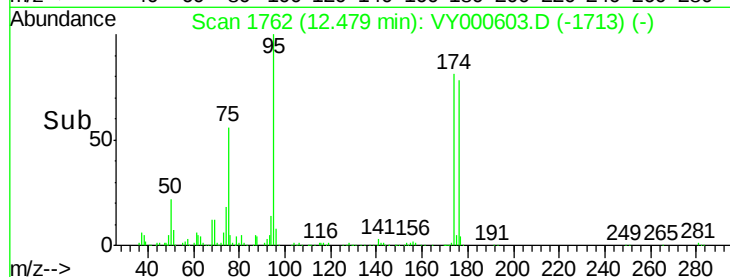
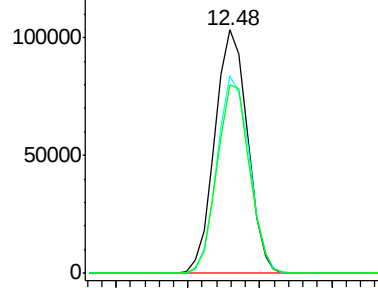
176 77.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000486.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000486.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000486.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

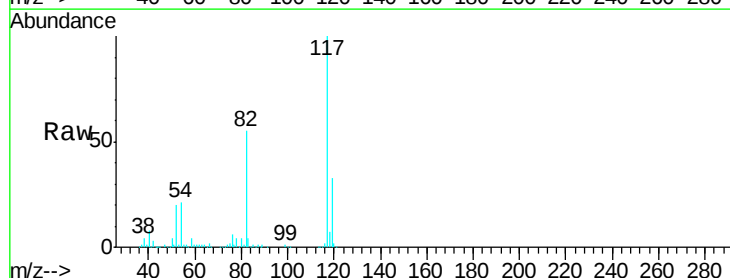
Tgt Ion: 117 Resp: 362045

Ion Ratio Lower Upper

117 100

82 54.7 40.8 61.2

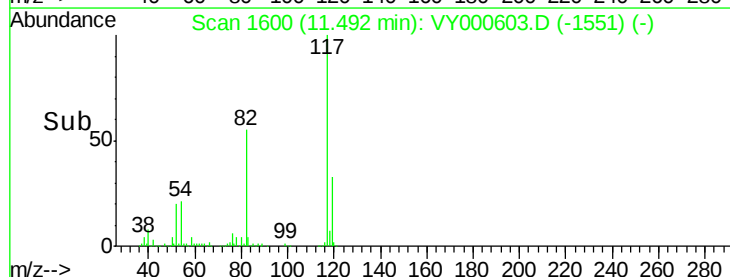
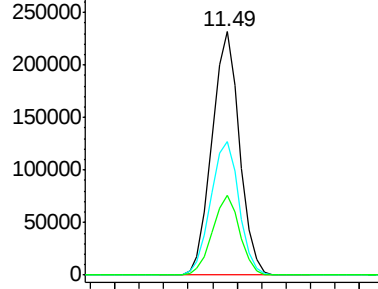
119 32.7 26.2 39.2

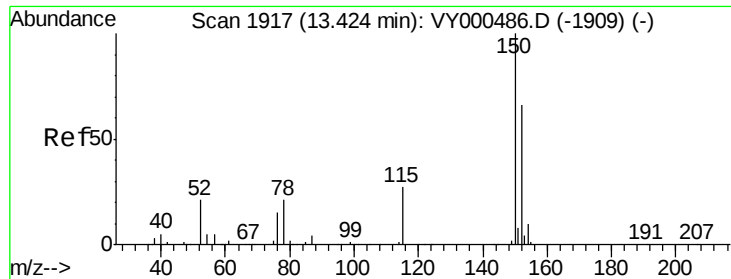


Abundance Ion 116.90 (116.60 to 117.60): VY000486.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000486.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000486.D (-1591) (-)



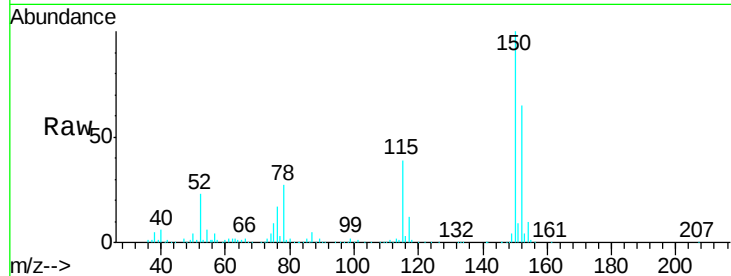


#72

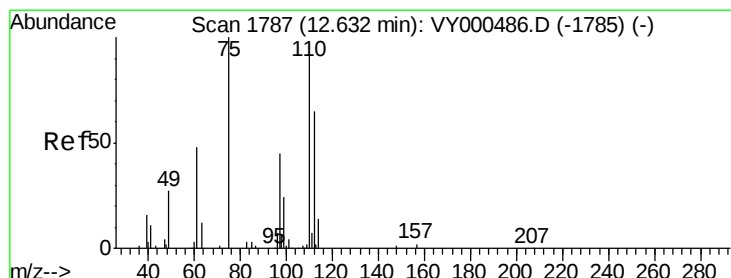
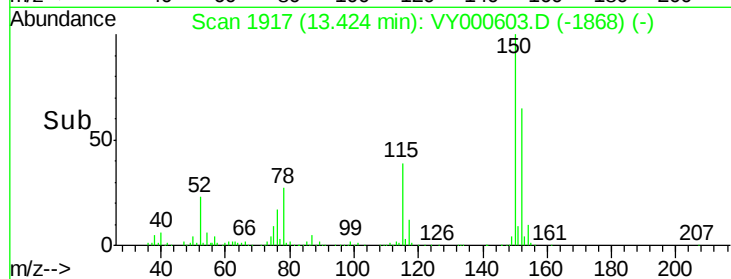
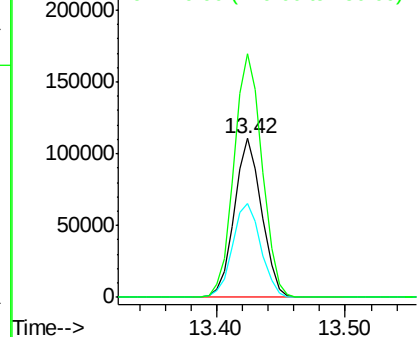
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

Instrument :
MSVOA_Y
ClientSampled :
5-C

Tgt Ion:152 Resp: 163888
Ion Ratio Lower Upper
152 100
115 61.4 29.1 87.4
150 158.0 0.0 348.8



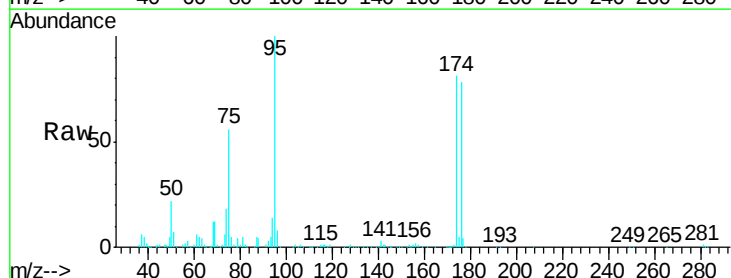
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



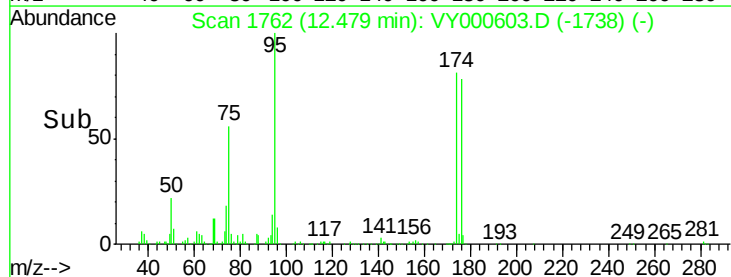
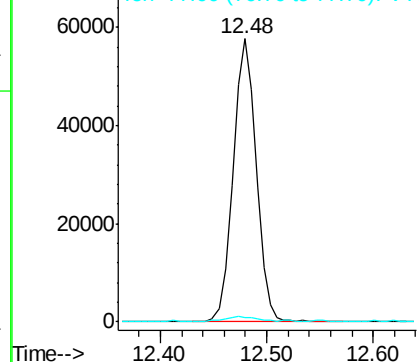
#76

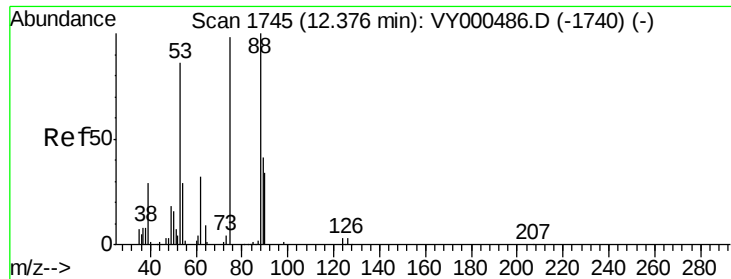
1,2,3-Trichloropropane
Concen: 47.160 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000603.D
Acq: 08 Nov 2019 00:37

Tgt Ion: 75 Resp: 88004
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 105.738 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

Instrument :

MSVOA_Y

ClientSampleId :

5-C

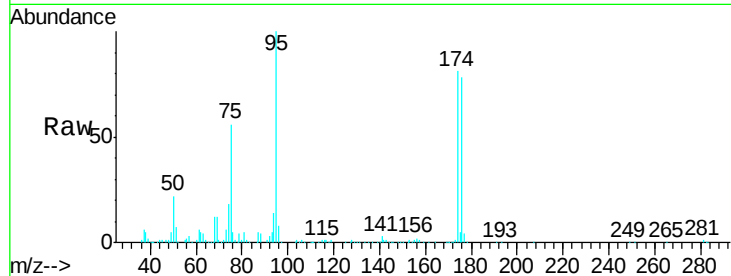
Tgt Ion: 75 Resp: 88004

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

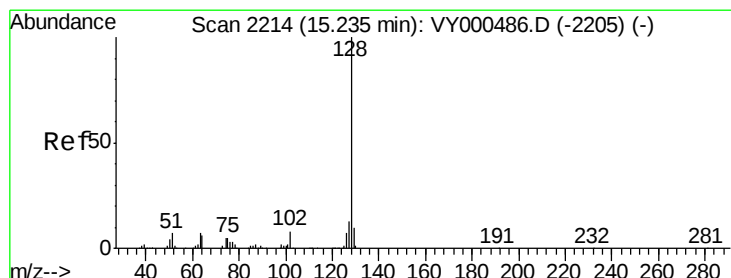
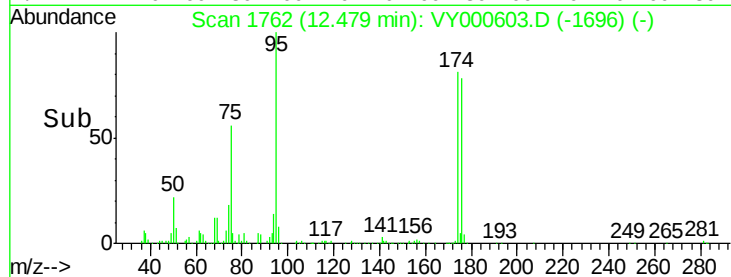
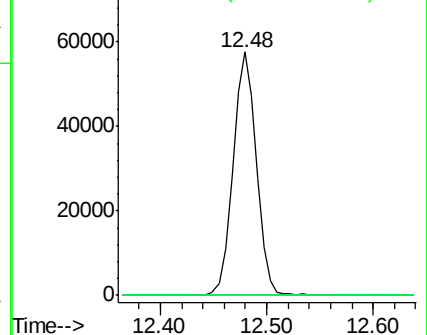
89 0.2 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY000486.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY000486.D (-1740) (-)



#95

Naphthalene

Concen: 1.474 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000603.D

Acq: 08 Nov 2019 00:37

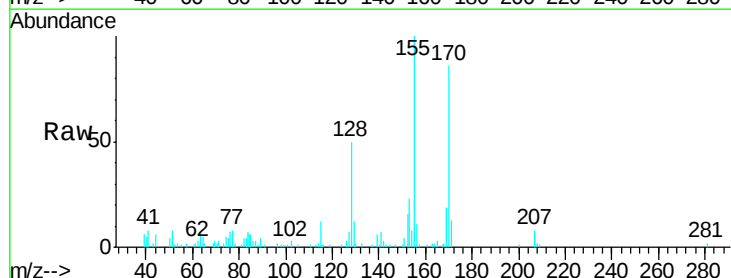
Tgt Ion: 128 Resp: 10878

Ion Ratio Lower Upper

128 100

127 27.0 9.8 14.6#

129 17.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VY000486.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY000486.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY000486.D (-2205) (-)

