

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122619\
 Data File : VY001063.D
 Acq On : 26 Dec 2019 11:42
 Operator : SY/MD
 Sample : VY1226SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1226SBL01

Quant Time: Dec 27 02:08:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

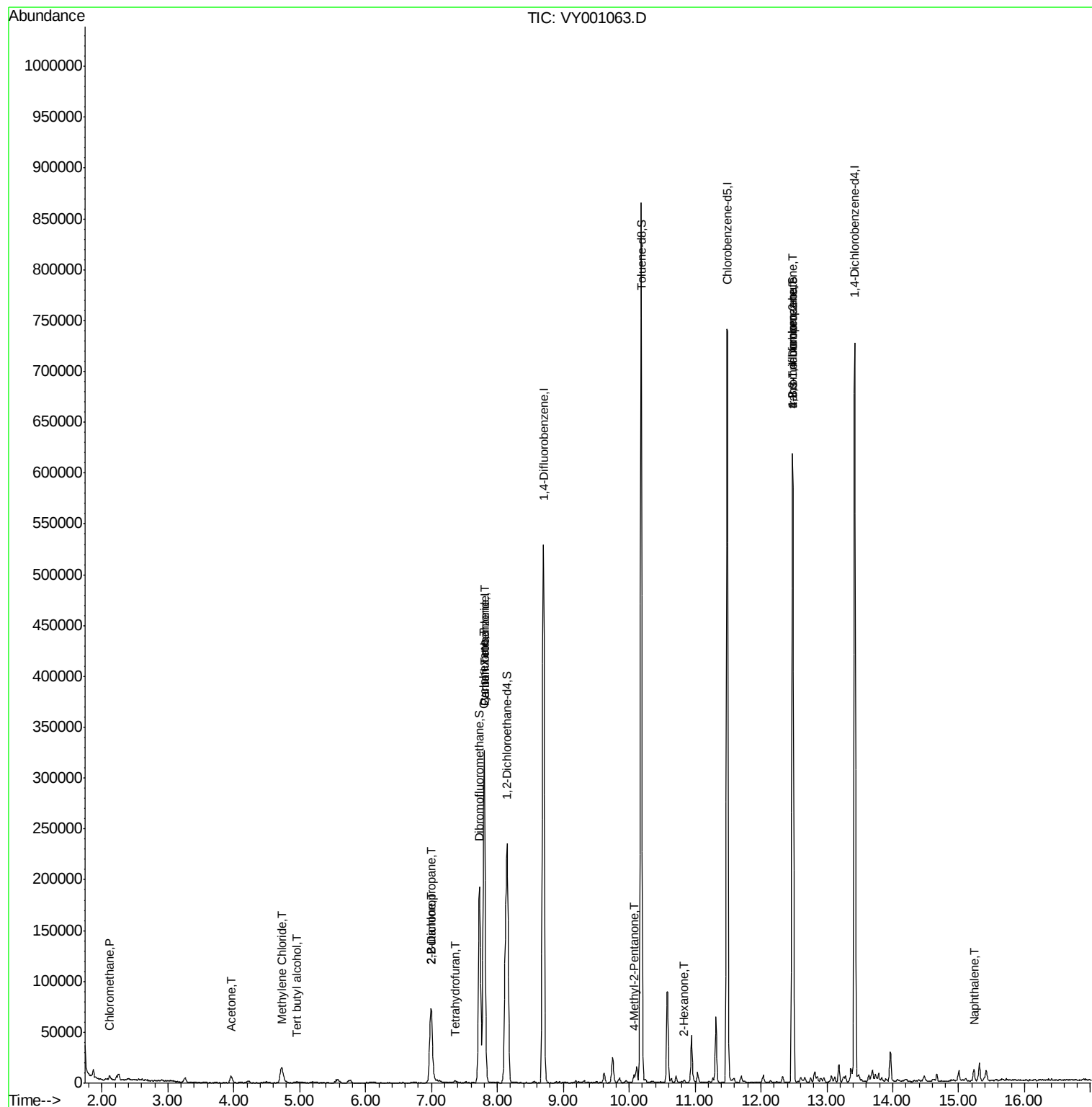
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	256479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	482933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	432100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	184907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	136364	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
35) Dibromofluoromethane	7.73	113	139407	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
50) Toluene-d8	10.18	98	568432	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.48	95	182473	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	3705	1.218	ug/l	89
11) Tert butyl alcohol	4.96	59	470	1.690	ug/l #	74
16) Acetone	3.96	43	9700	16.645	ug/l	88
20) Methylene Chloride	4.74	84	11576	3.375	ug/l #	86
25) 2-Butanone	7.00	43	5909	5.772	ug/l #	82
26) 2,2-Dichloropropane	6.99	77	6090	1.386	ug/l #	51
29) Tetrahydrofuran	7.36	42	1233	1.693	ug/l #	80
31) Cyclohexane	7.79	56	5679	1.010	ug/l #	1
38) Carbon Tetrachloride	7.80	117	24794	6.142	ug/l #	21
51) 4-Methyl-2-Pentanone	10.08	43	4948	2.010	ug/l	92
59) 2-Hexanone	10.83	43	1832	1.076	ug/l	91
76) 1,2,3-Trichloropropane	12.48	75	88613	38.873	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88613	82.908	ug/l #	19
95) Naphthalene	15.23	128	9159	1.012	ug/l	98

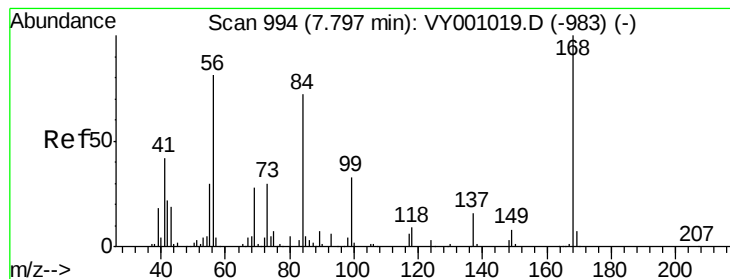
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001063.D

Acq: 26 Dec 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

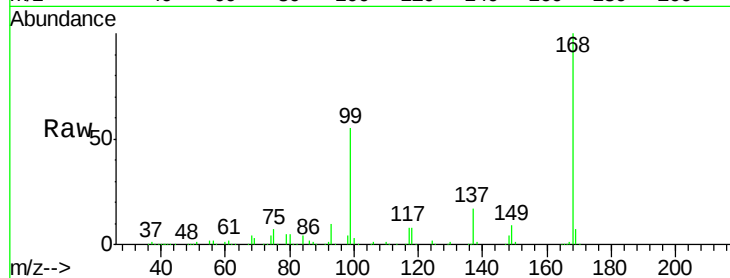
VY1226SBL01

Tgt Ion:168 Resp: 256479

Ion Ratio Lower Upper

168 100

99 54.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

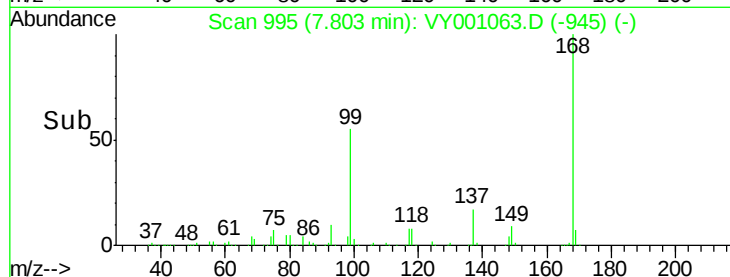
7.80

100000

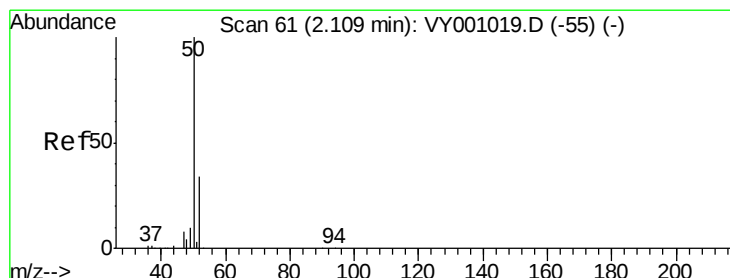
50000

0

7.70 7.80 7.90



Time-->



#3

Chloromethane

Concen: 1.218 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001063.D

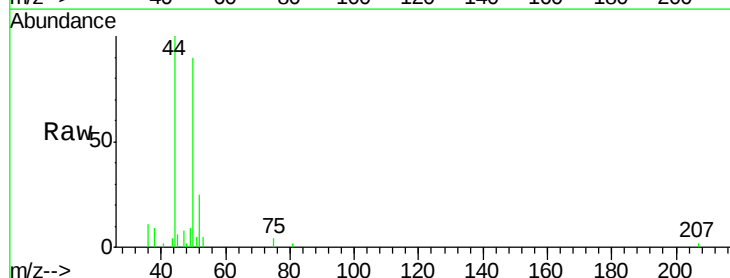
Acq: 26 Dec 2019 11:42

Tgt Ion: 50 Resp: 3705

Ion Ratio Lower Upper

50 100

52 27.5 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY001019.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001019.D (-55) (-)

2.12

2500

2000

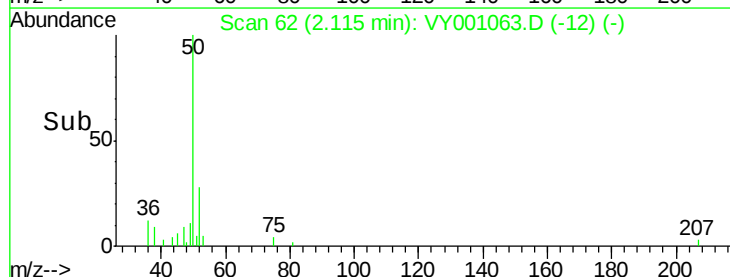
1500

1000

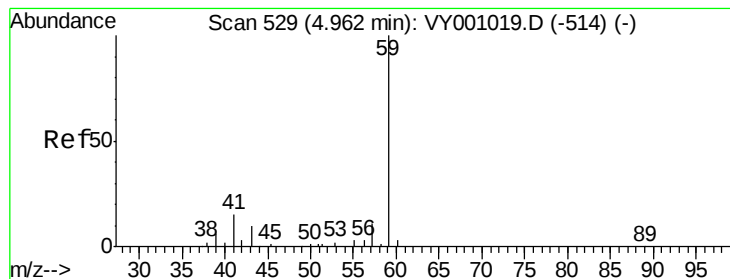
500

0

2.05 2.10 2.15



Time-->

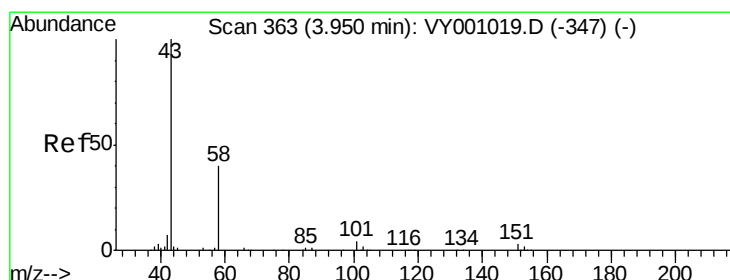
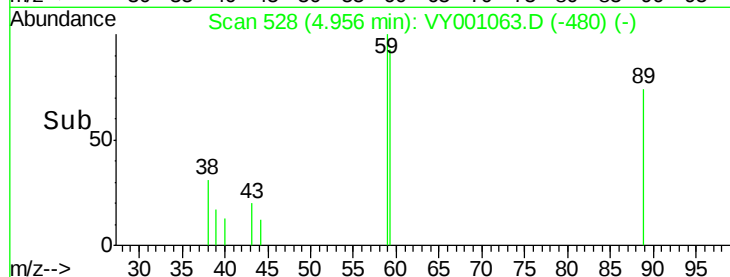
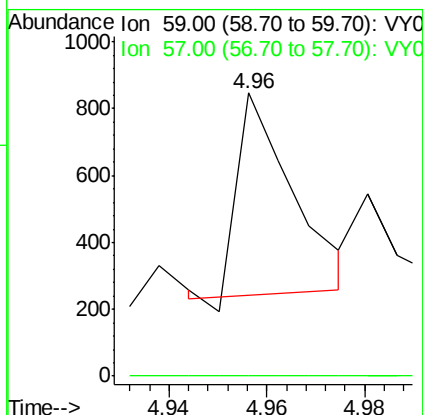
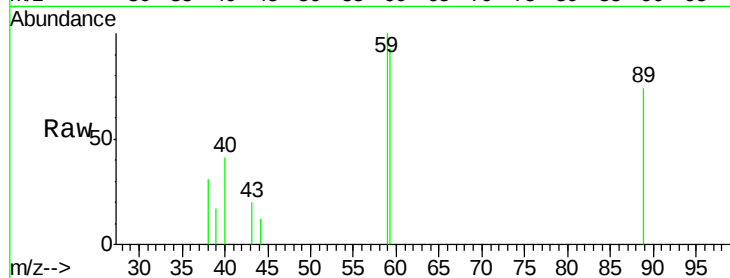


#11

Tert butyl alcohol
 Concen: 1.690 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY001063.D
 Acq: 26 Dec 2019 11:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1226SBL01

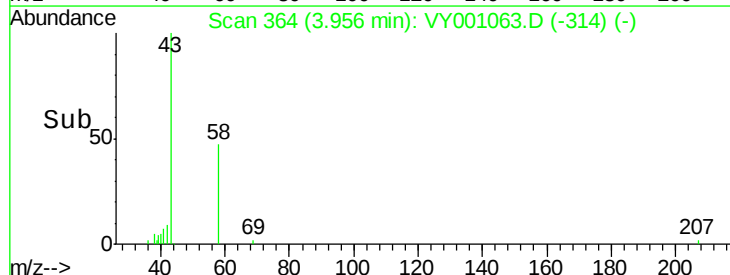
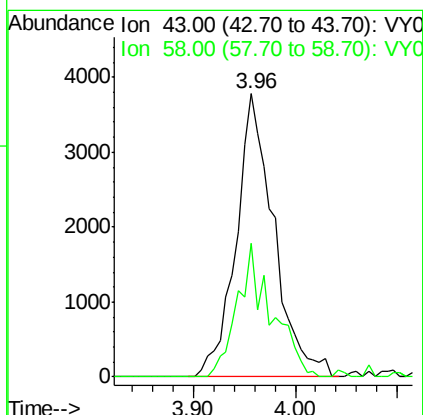
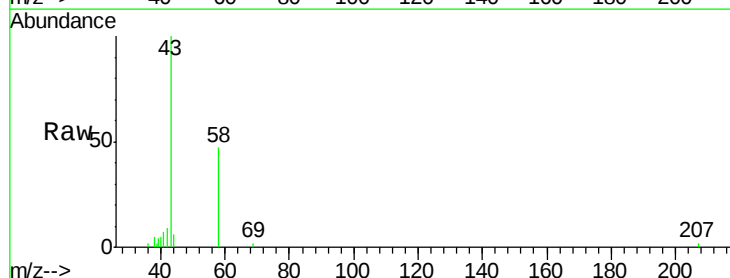
Tgt Ion: 59 Resp: 470
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

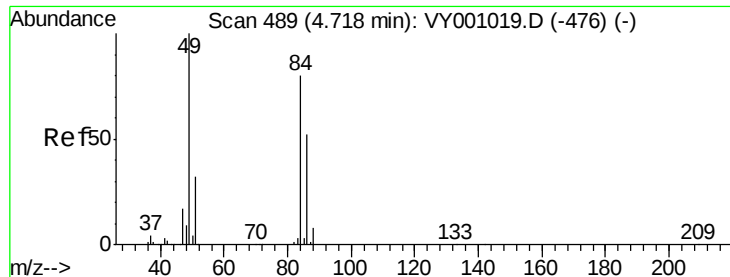


#16

Acetone
 Concen: 16.645 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY001063.D
 Acq: 26 Dec 2019 11:42

Tgt Ion: 43 Resp: 9700
 Ion Ratio Lower Upper
 43 100
 58 47.3 32.1 48.1

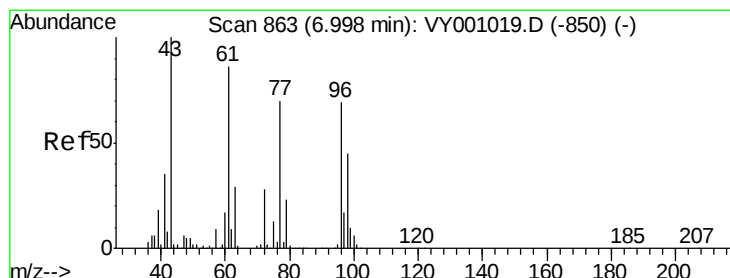
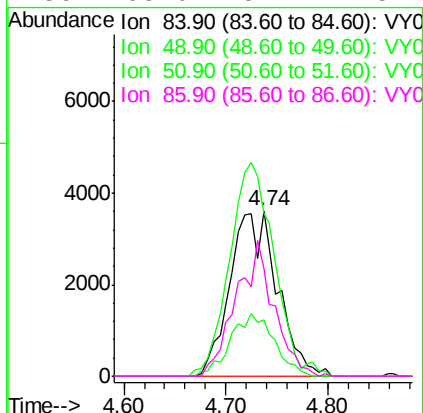
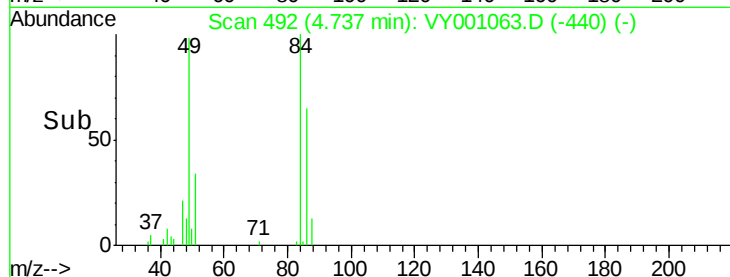
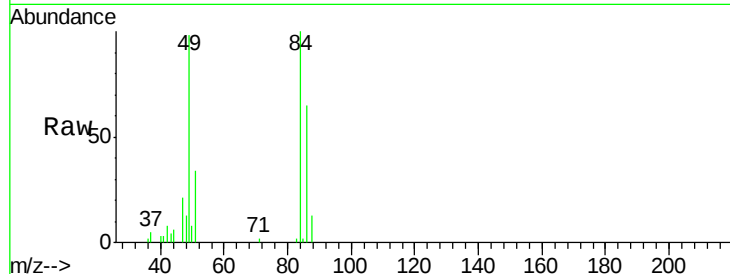




#20
Methylene Chloride
Concen: 3.375 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.02 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

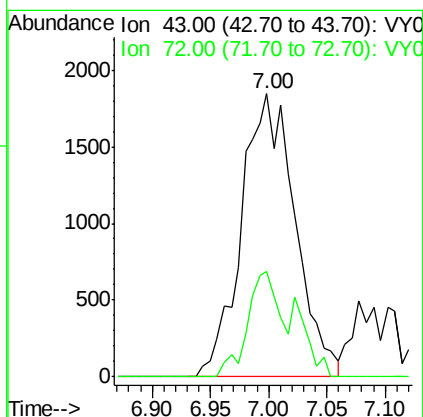
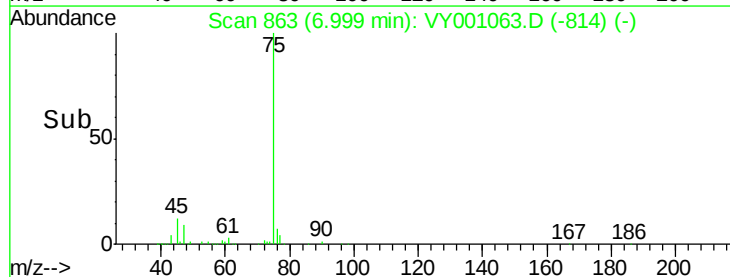
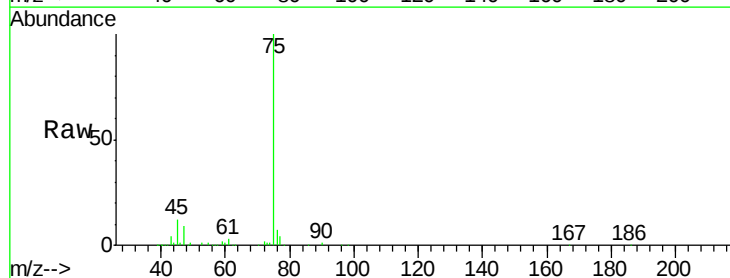
Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

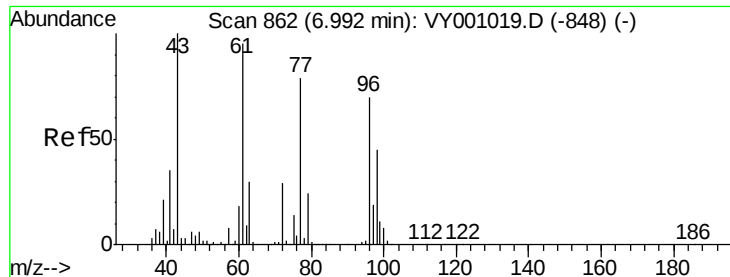
Tgt Ion: 84 Resp: 11576
Ion Ratio Lower Upper
84 100
49 98.0 99.8 149.6#
51 34.3 31.4 47.2
86 65.0 52.2 78.2



#25
2-Butanone
Concen: 5.772 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion: 43 Resp: 5909
Ion Ratio Lower Upper
43 100
72 37.5 22.4 33.6#





#26

2,2-Dichloropropane

Concen: 1.386 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001063.D

Acq: 26 Dec 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

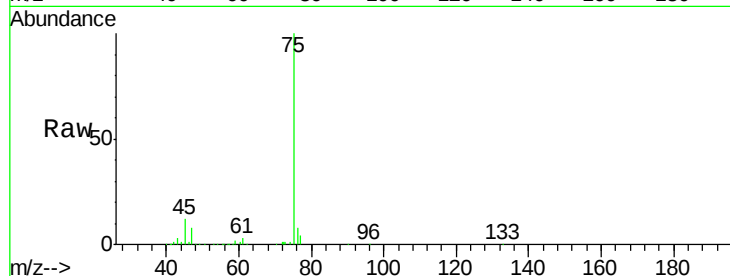
VY1226SBL01

Tgt Ion: 77 Resp: 6090

Ion Ratio Lower Upper

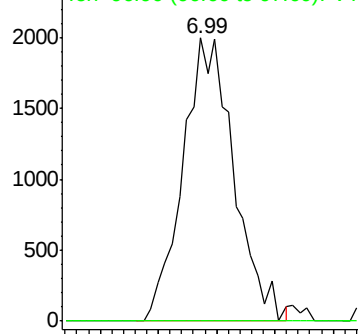
77 100

97 0.0 12.0 36.1#

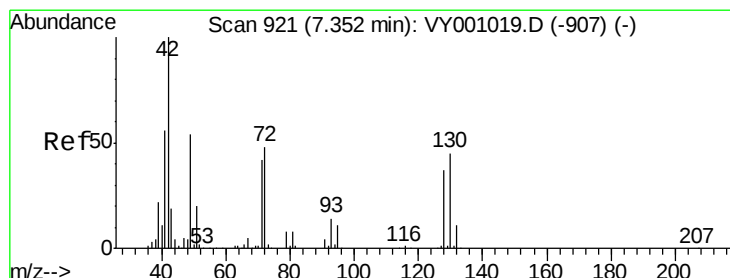
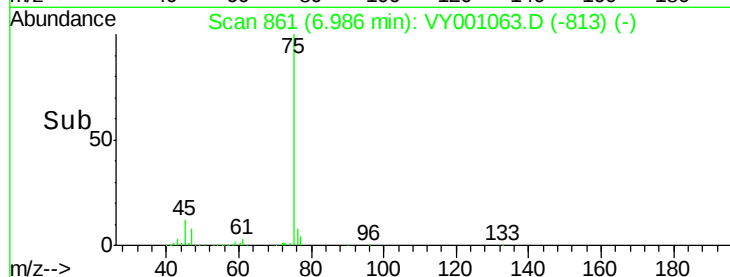


Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->



#29

Tetrahydrofuran

Concen: 1.693 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001063.D

Acq: 26 Dec 2019 11:42

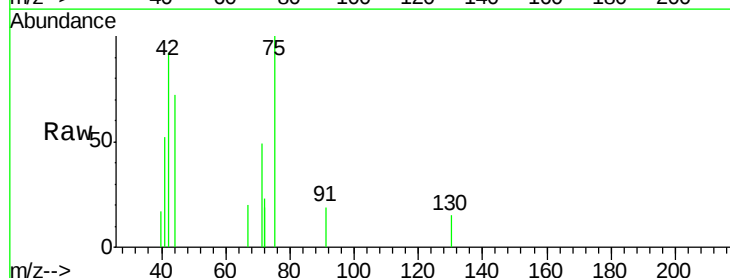
Tgt Ion: 42 Resp: 1233

Ion Ratio Lower Upper

42 100

72 35.0 37.7 56.5#

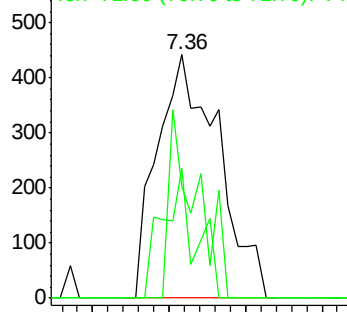
71 29.0 34.6 51.8#



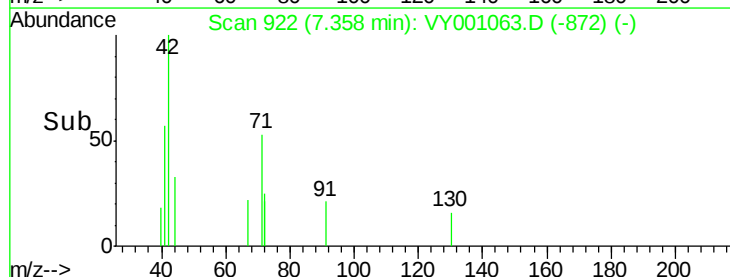
Abundance Ion 42.00 (41.70 to 42.70): VY0

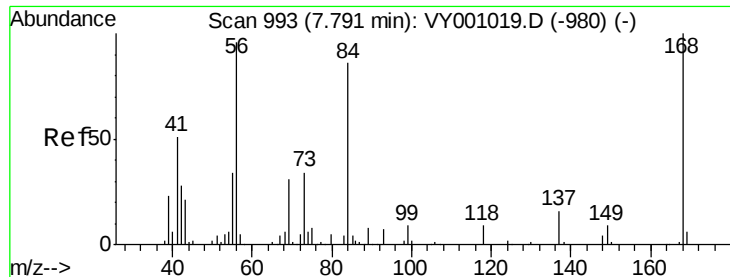
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



Time-->

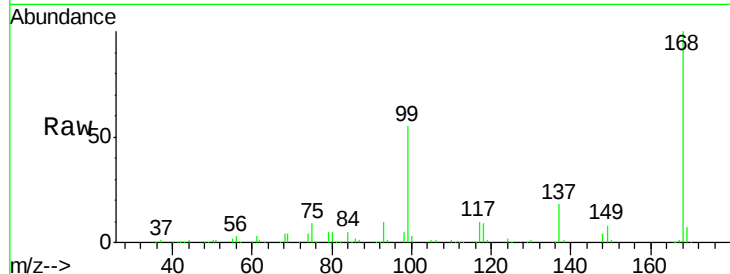




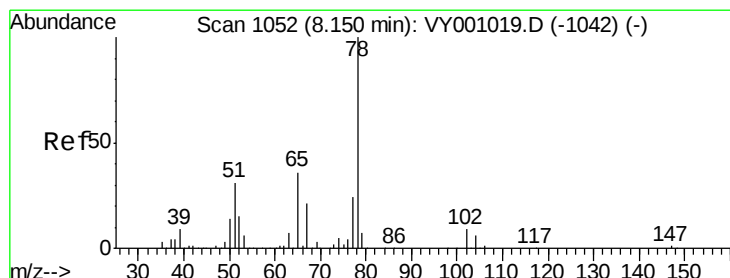
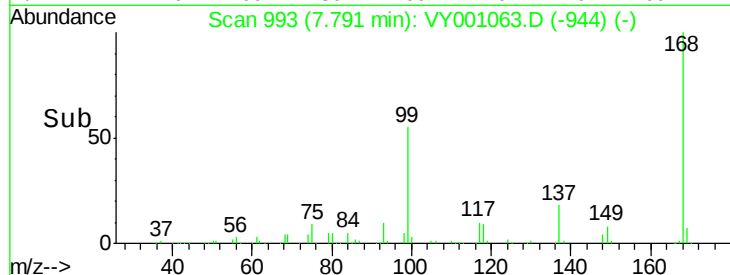
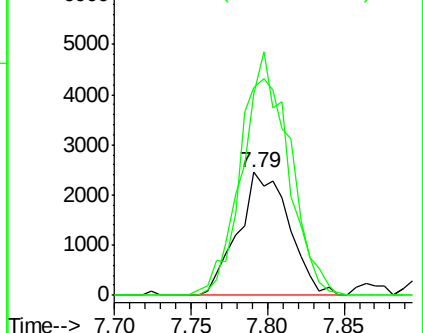
#31
Cyclohexane
Concen: 1.010 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion: 56 Resp: 5679
Ion Ratio Lower Upper
56 100
69 163.9 26.1 39.1#
84 168.9 71.8 107.8#

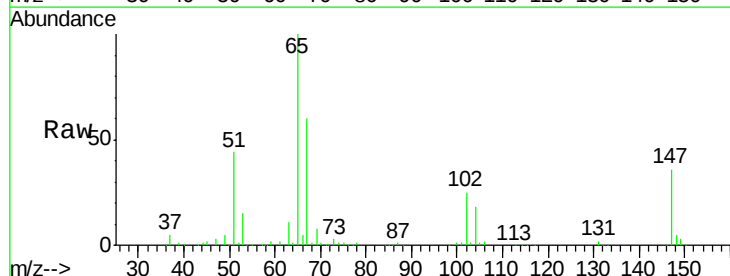


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

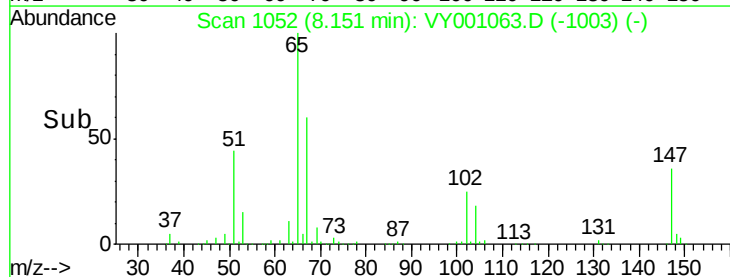
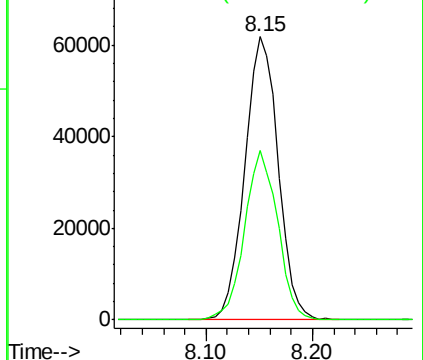


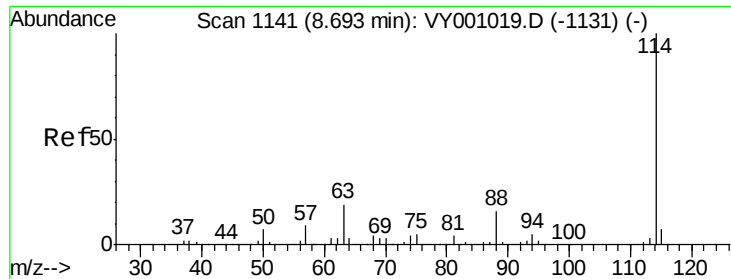
#33
1,2-Dichloroethane-d4
Concen: 53.908 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion: 65 Resp: 136364
Ion Ratio Lower Upper
65 100
67 59.5 0.0 112.8



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

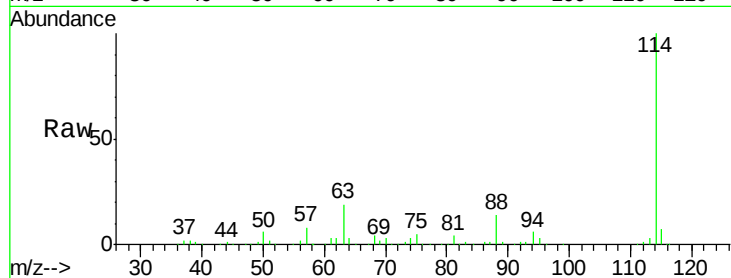




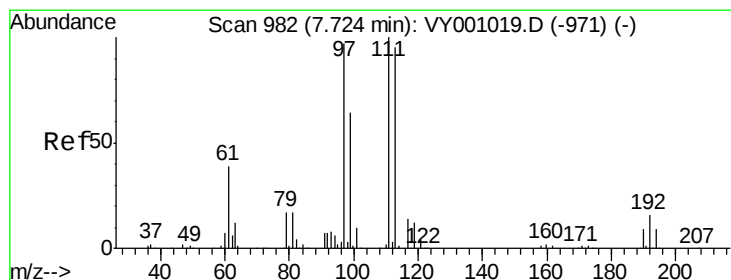
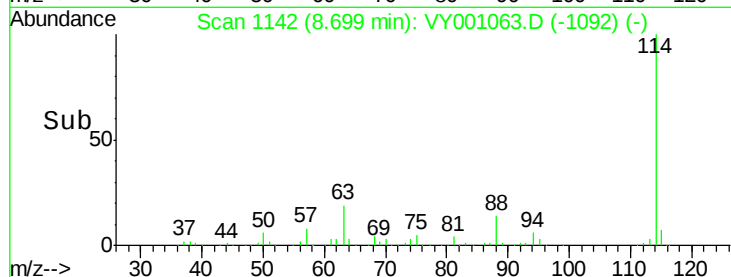
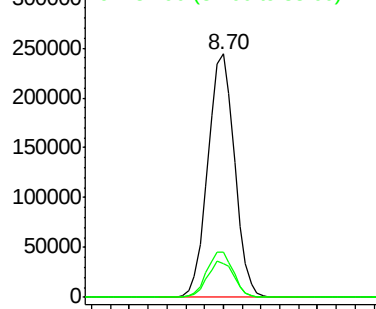
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion:114 Resp: 482933
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.0
88 13.8 0.0 32.0

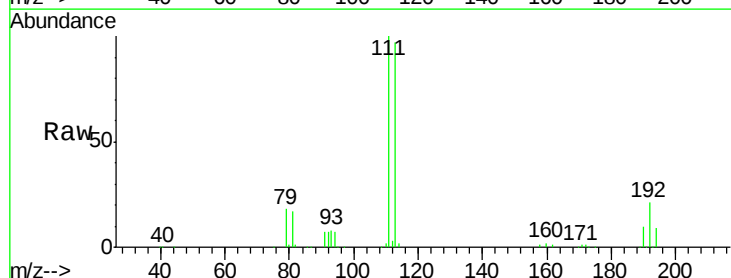


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

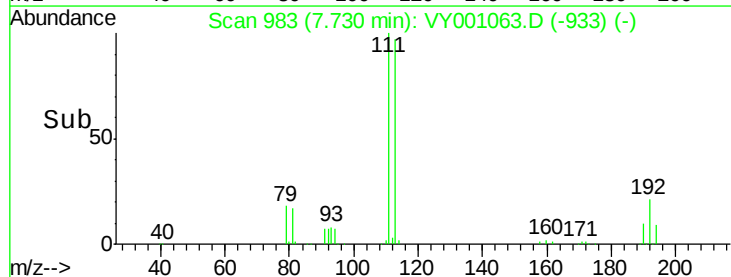
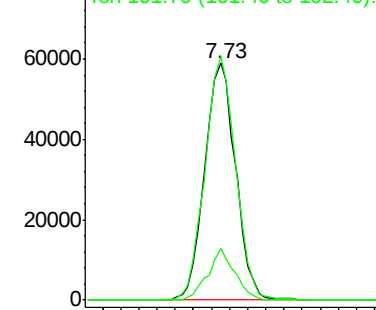


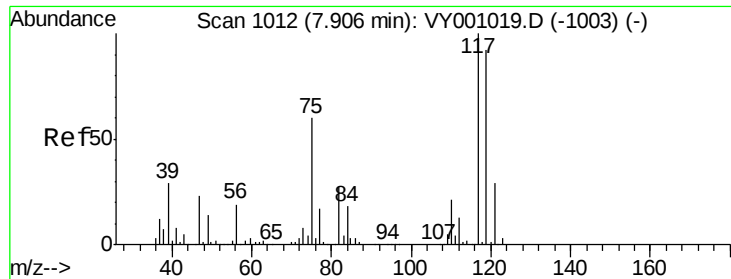
#35
Dibromofluoromethane
Concen: 49.022 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion:113 Resp: 139407
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 18.8 14.6 21.8



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

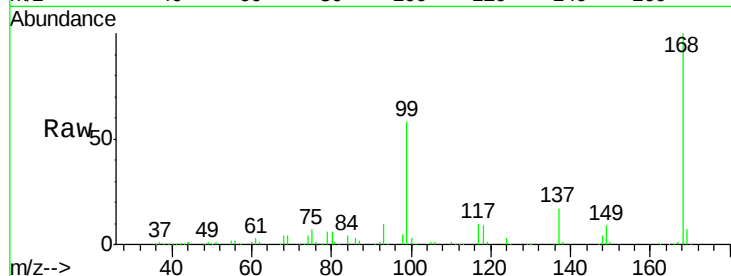




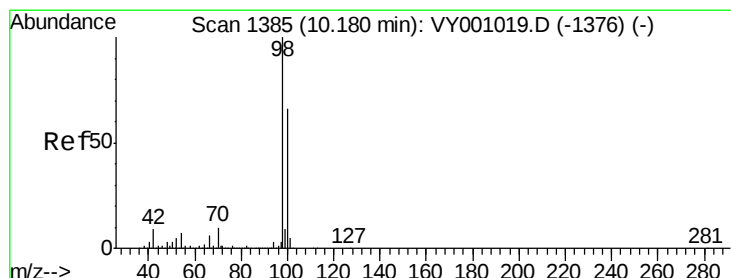
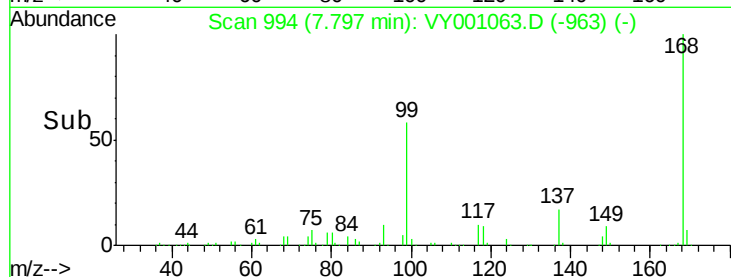
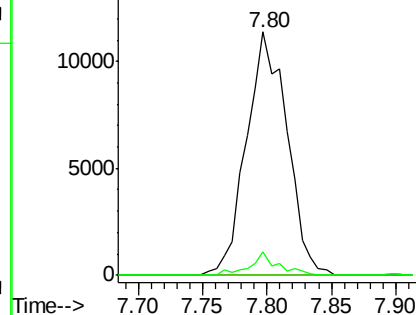
#38
Carbon Tetrachloride
Concen: 6.142 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion: 117 Resp: 24794
Ion Ratio Lower Upper
117 100
119 9.7 74.2 111.2#
121 0.0 22.9 34.3#

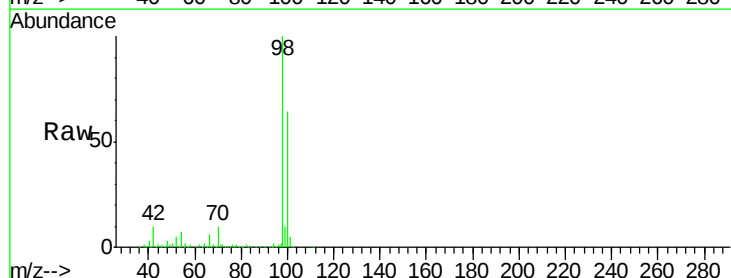


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

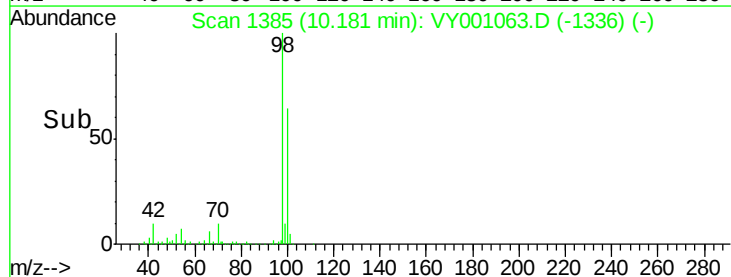
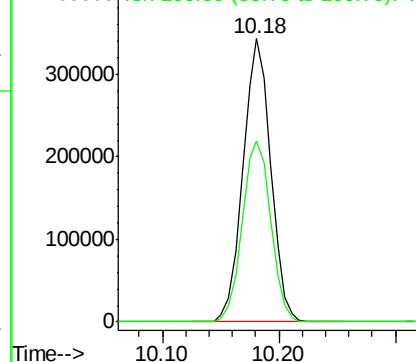


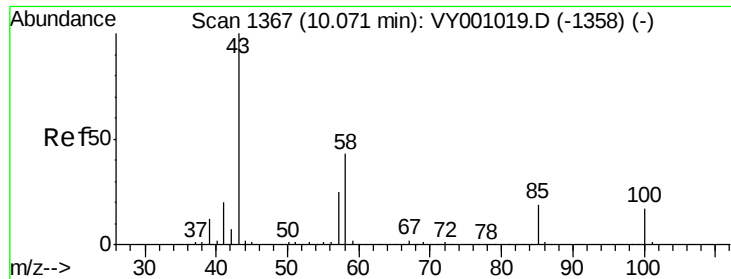
#50
Toluene-d8
Concen: 51.148 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion: 98 Resp: 568432
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



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

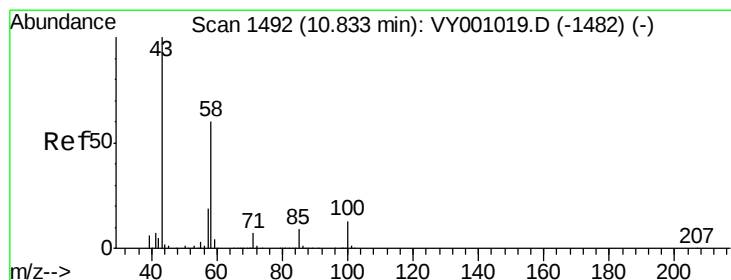
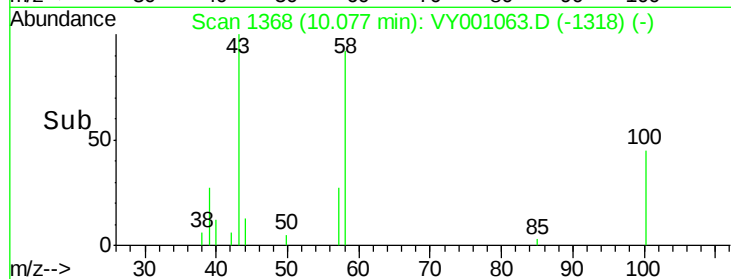
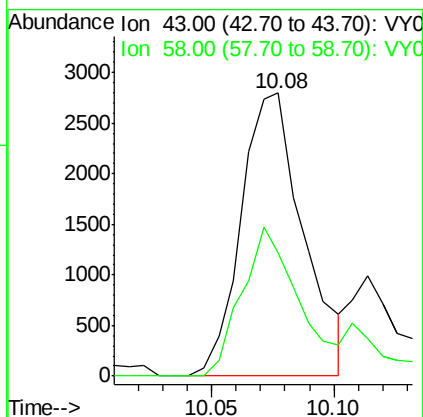
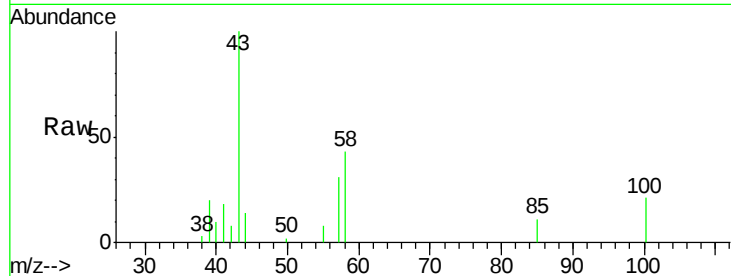




#51
4-Methyl-2-Pentanone
Concen: 2.010 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

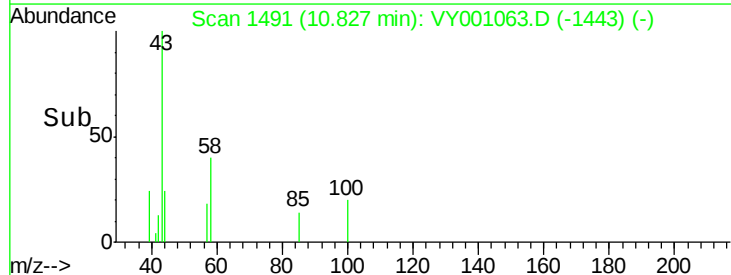
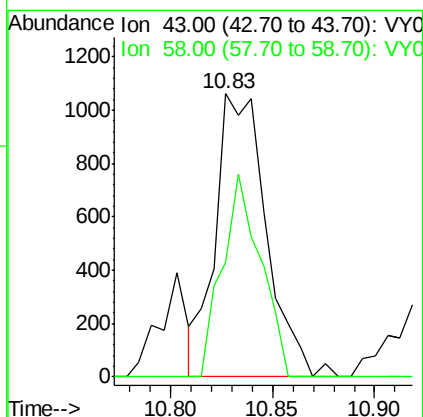
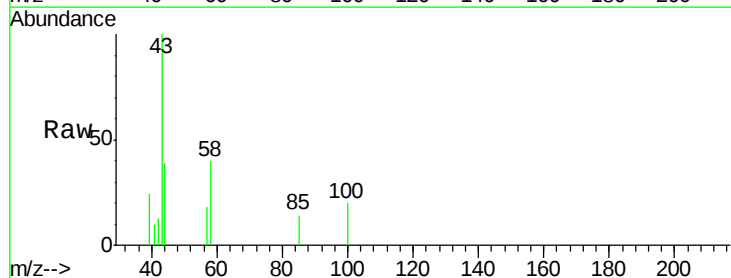
Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

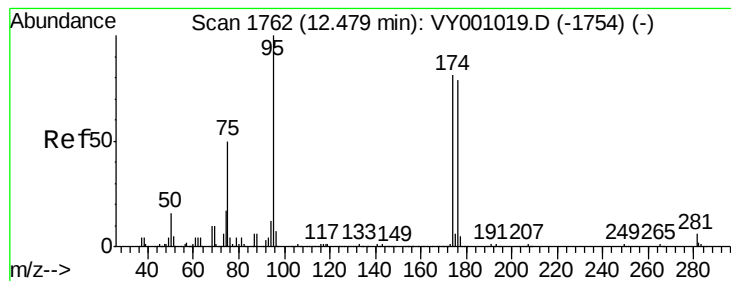
Tgt Ion: 43 Resp: 4948
Ion Ratio Lower Upper
43 100
58 48.2 34.6 52.0



#59
2-Hexanone
Concen: 1.076 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 54.2 30.6 91.6





#62

4-Bromofluorobenzene

Concen: 44.908 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001063.D

Acq: 26 Dec 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VY1226SBL01

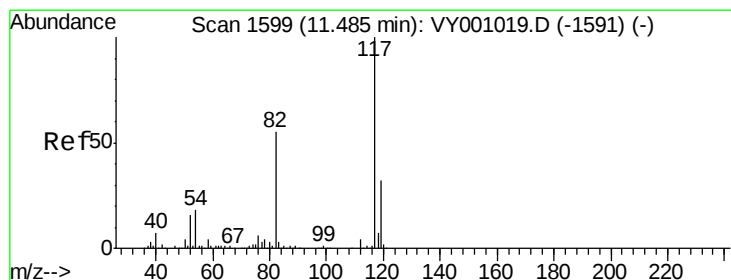
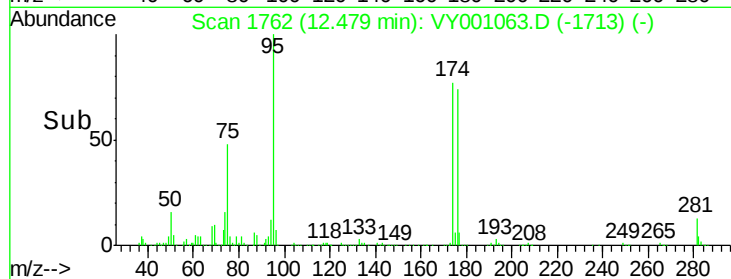
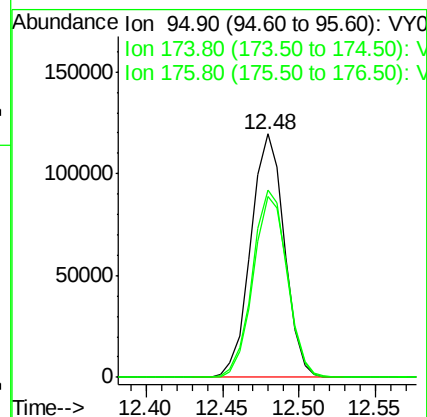
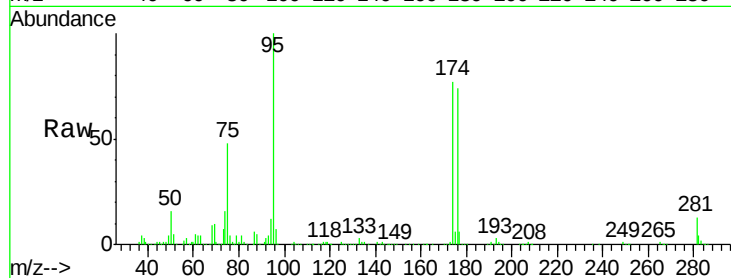
Tgt Ion: 95 Resp: 182473

Ion Ratio Lower Upper

95 100

174 78.9 0.0 156.4

176 76.3 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VY001063.D

Acq: 26 Dec 2019 11:42

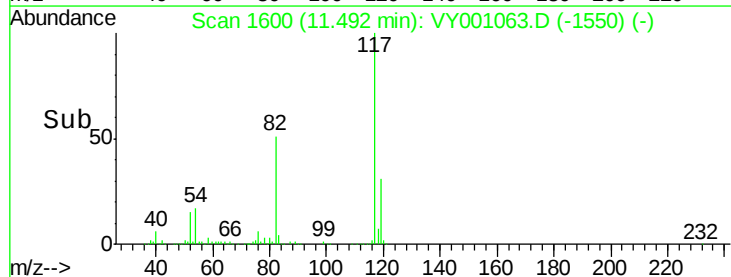
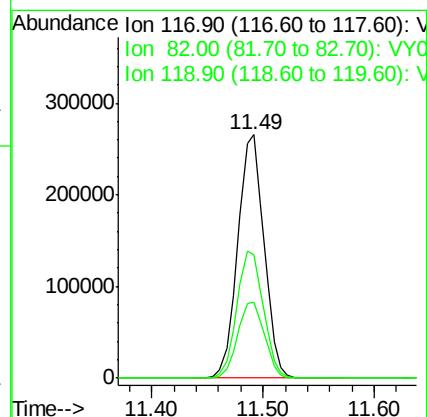
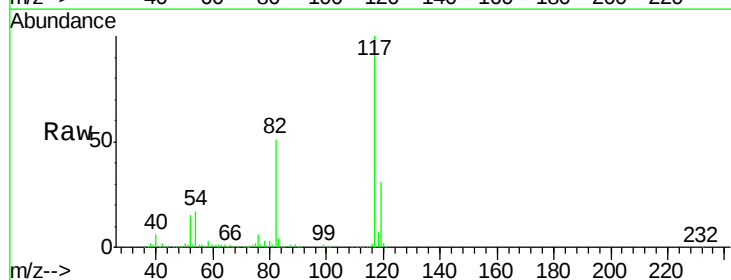
Tgt Ion: 117 Resp: 432100

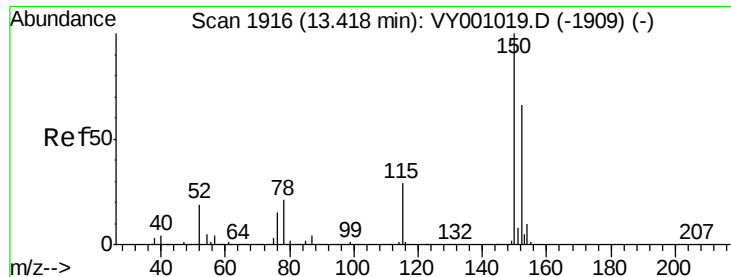
Ion Ratio Lower Upper

117 100

82 50.8 43.8 65.8

119 30.9 25.8 38.6



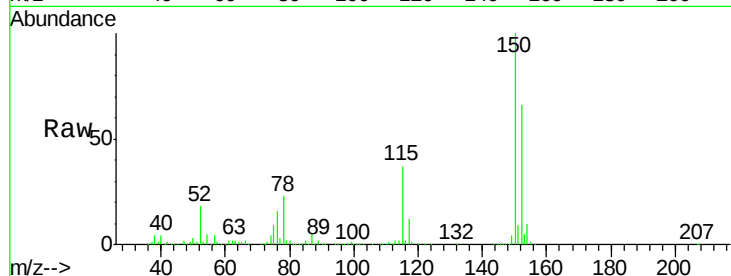


#72

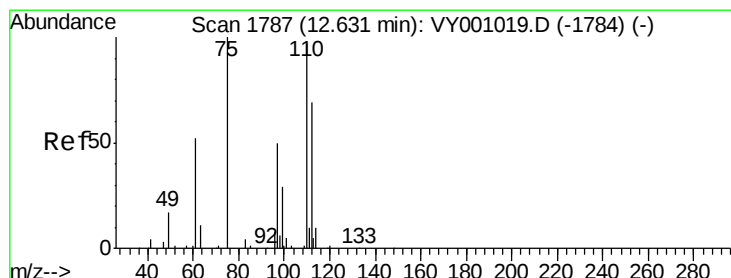
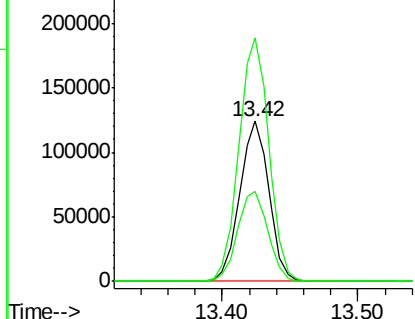
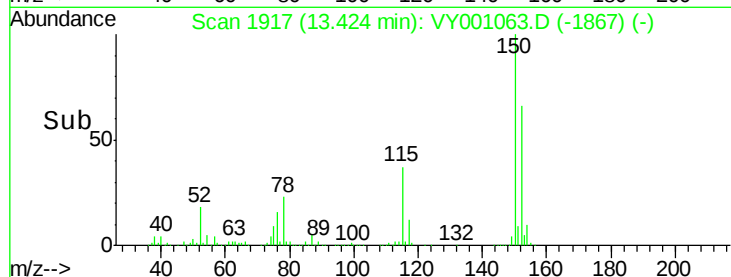
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion:152 Resp: 184907
Ion Ratio Lower Upper
152 100
115 58.4 29.8 89.3
150 156.2 0.0 352.6



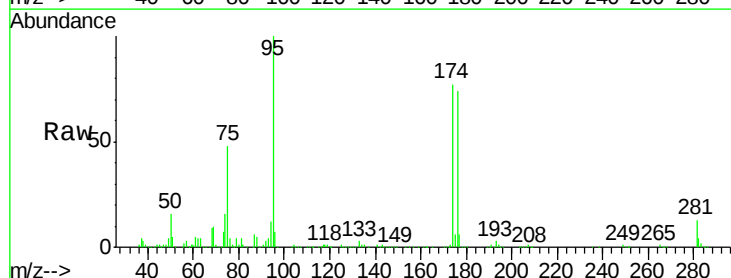
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



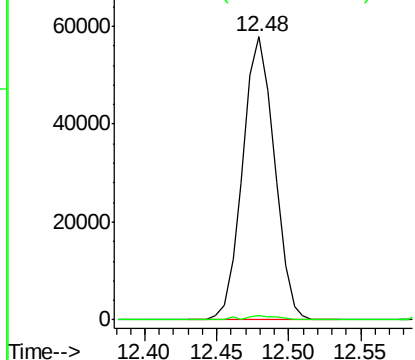
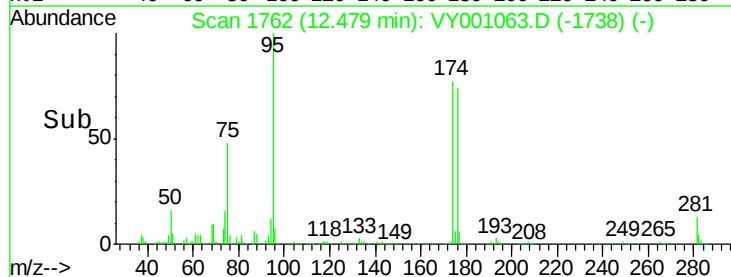
#76

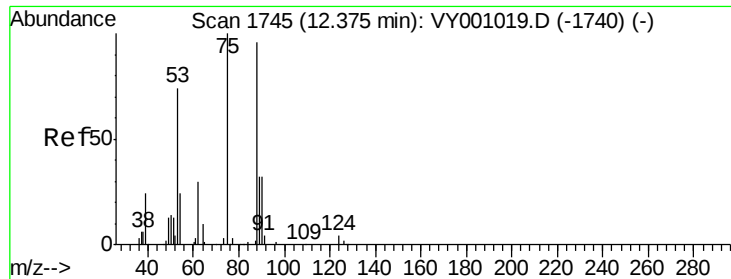
1,2,3-Trichloropropane
Concen: 38.873 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion: 75 Resp: 88613
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



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

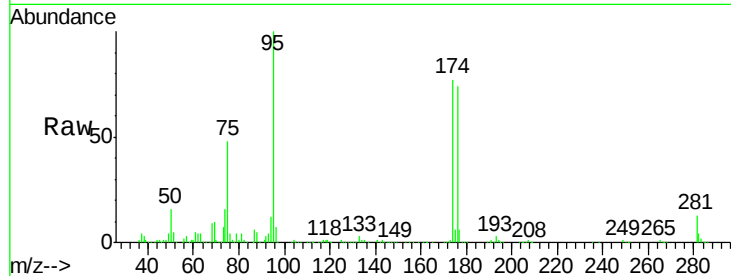




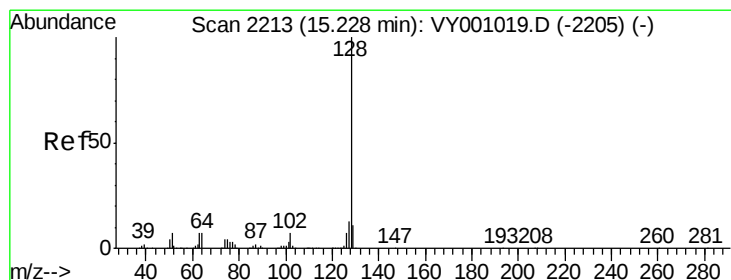
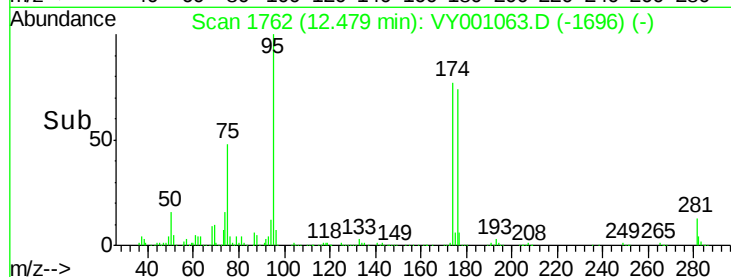
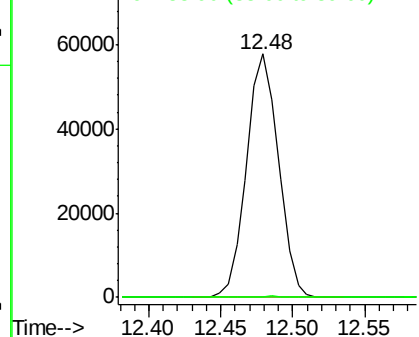
#81
trans-1,4-Dichloro-2-butene
Concen: 82.908 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Instrument :
MSVOA_Y
ClientSampleId :
VY1226SBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	60.6	91.0#
89	0.4	35.4	53.0#

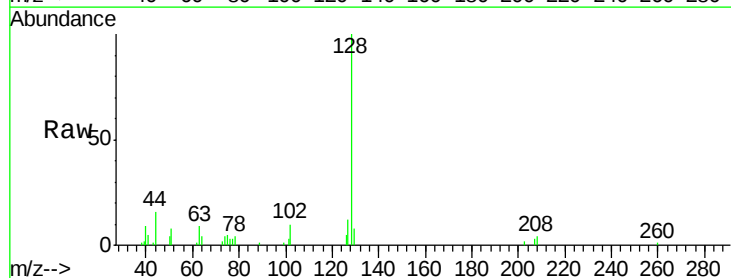


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#95
Naphthalene
Concen: 1.012 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001063.D
Acq: 26 Dec 2019 11:42

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	9.9	14.9
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

