

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003033.D
 Acq On : 30 Jun 2020 14:25
 Operator : SY/MD
 Sample : L3128-03RE
 Misc : 7.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 78-64RE

Quant Time: Jul 01 06:15:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	365743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	583660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	484500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151588	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	194814	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	7.72	113	193983	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	10.18	98	679635	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.48	95	188430	39.46	ug/l	0.00
Spiked Amount			Recovery	=	78.92%	

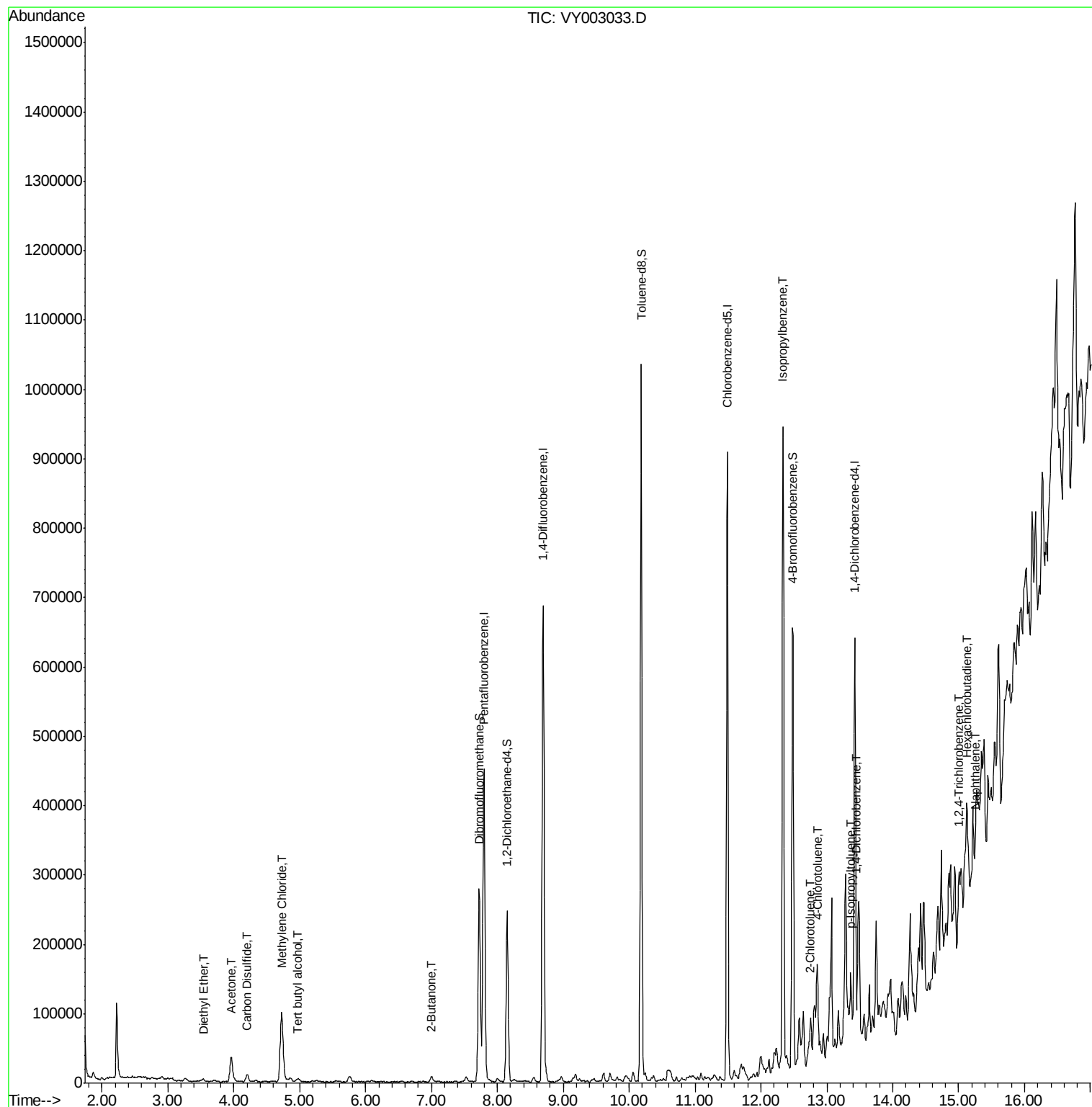
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2353	1.229	ug/l	92
11) Tert butyl alcohol	4.97	59	10330	27.904	ug/l	96
16) Acetone	3.96	43	65895	76.914	ug/l	98
17) Carbon Disulfide	4.19	76	20060	1.979	ug/l #	91
20) Methylene Chloride	4.72	84	76416	15.126	ug/l	93
25) 2-Butanone	7.00	43	10690	7.855	ug/l	94
73) Isopropylbenzene	12.33	105	39965	4.028	ug/l #	60
79) 2-Chlorotoluene	12.75	91	32049	4.812	ug/l	98
82) 4-Chlorotoluene	12.86	91	60125	8.671	ug/l	99
86) p-Isopropyltoluene	13.37	119	42713	4.575	ug/l	95
88) 1,4-Dichlorobenzene	13.45	146	5931	1.267	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.01	180	8861	2.799	ug/l #	84
94) Hexachlorobutadiene	15.12	225	2538	1.271	ug/l	92
95) Naphthalene	15.24	128	19482	3.369	ug/l #	90

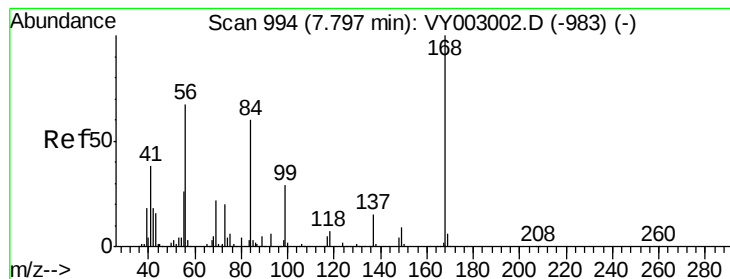
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
Data File : VY003033.D
Acq On : 30 Jun 2020 14:25
Operator : SY/MD
Sample : L3128-03RE
Misc : 7.54G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
78-64RE

Quant Time: Jul 01 06:15:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

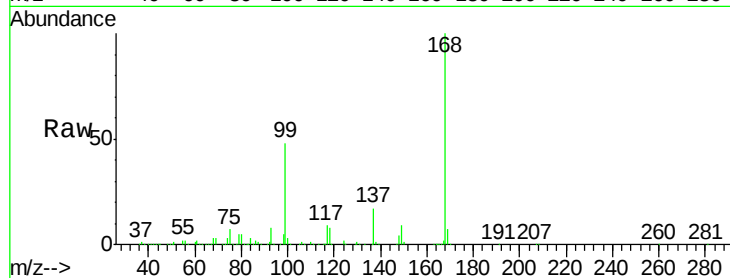
78-64RE

Tot Ion:168 Resp: 365743

Ion Ratio Lower Upper

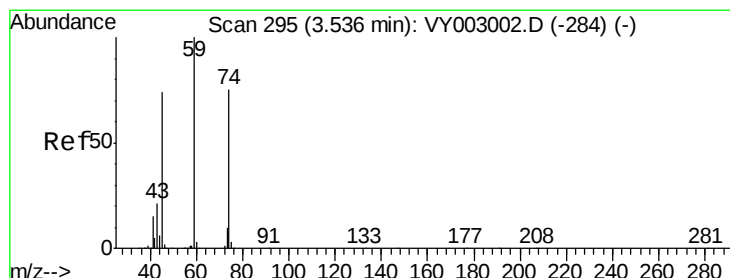
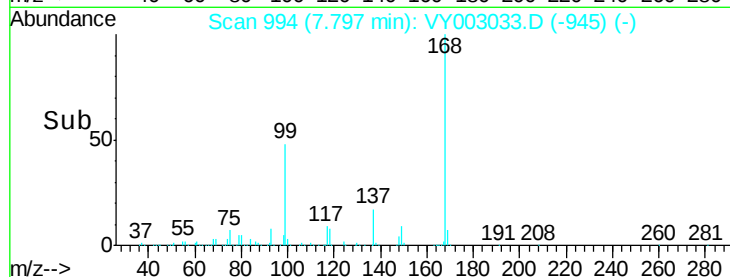
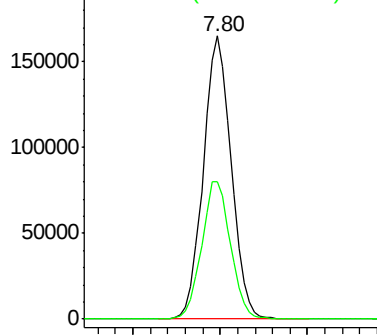
168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#8

Diethyl Ether

Concen: 1.229 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003033.D

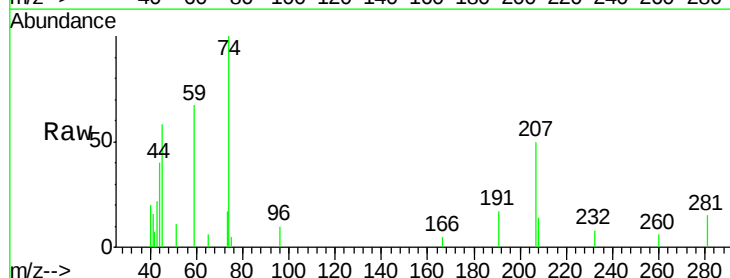
Acq: 30 Jun 2020 14:25

Tgt Ion: 74 Resp: 2353

Ion Ratio Lower Upper

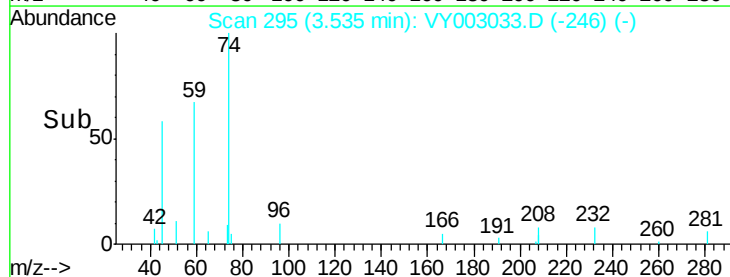
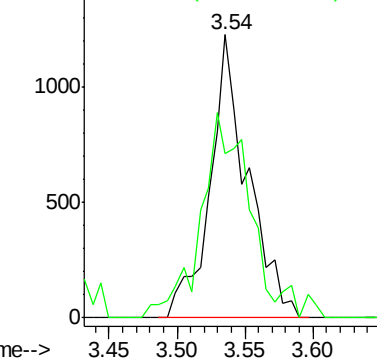
74 100

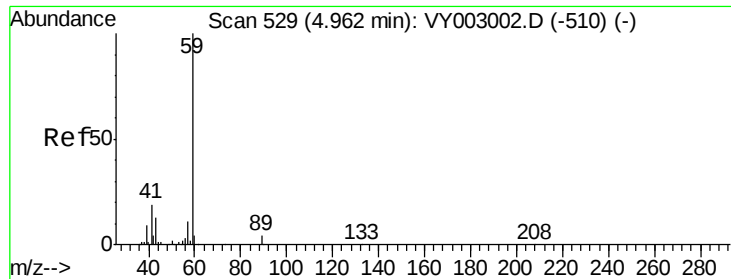
45 90.8 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0



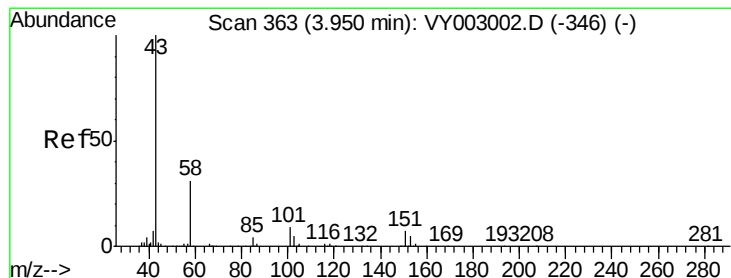
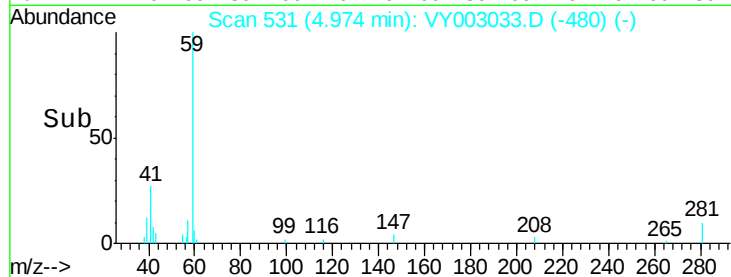
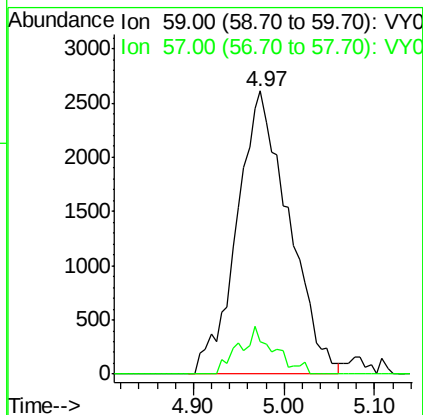
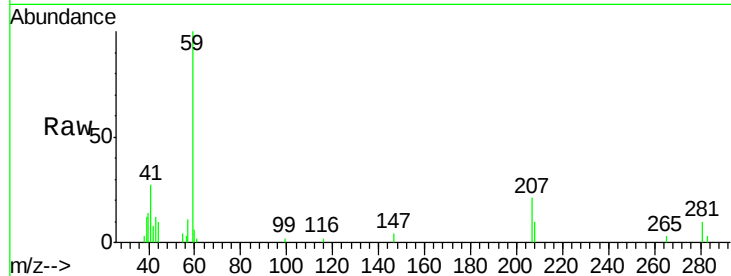


#11

Tert butyl alcohol
 Concen: 27.904 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY003033.D
 Acq: 30 Jun 2020 14:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 78-64RE

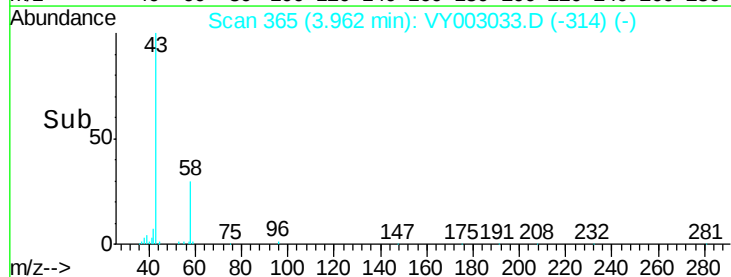
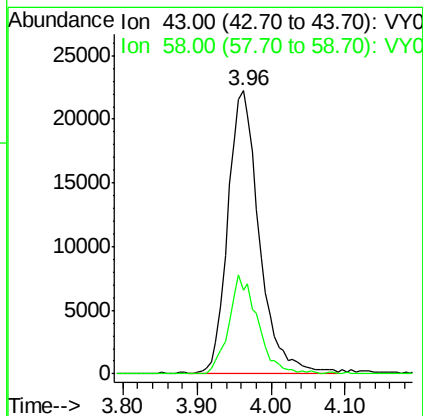
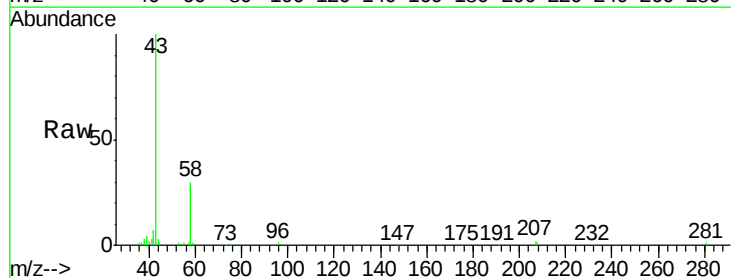
Tot Ion: 59 Resp: 10330
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.0 12.0

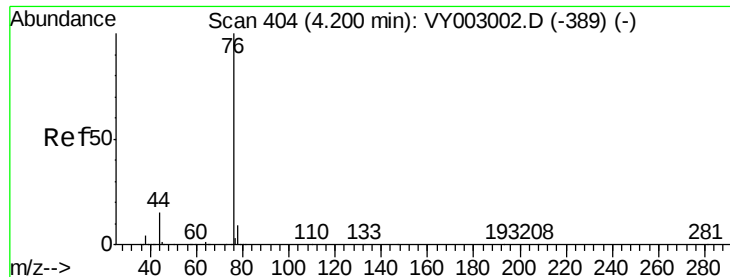


#16

Acetone
 Concen: 76.914 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY003033.D
 Acq: 30 Jun 2020 14:25

Tgt Ion: 43 Resp: 65895
 Ion Ratio Lower Upper
 43 100
 58 29.7 24.7 37.1





#17

Carbon Disulfide

Concen: 1.979 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

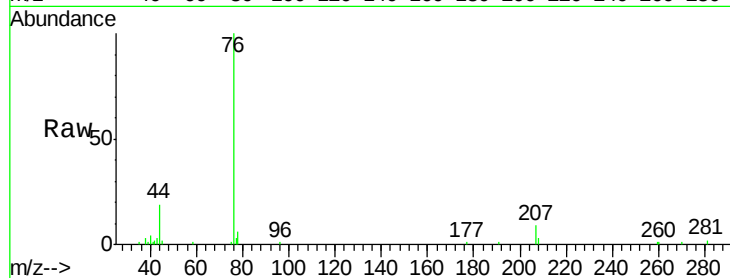
78-64RE

Tot Ion: 76 Resp: 20060

Ion Ratio Lower Upper

76 100

78 5.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

8000

6000

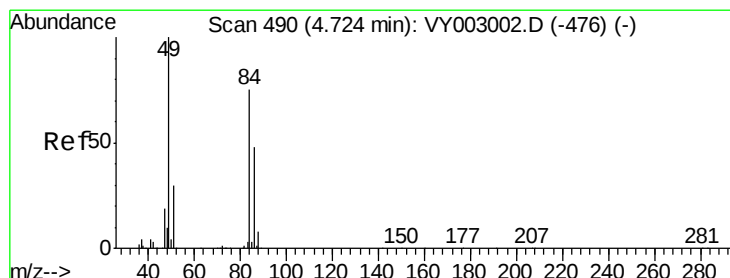
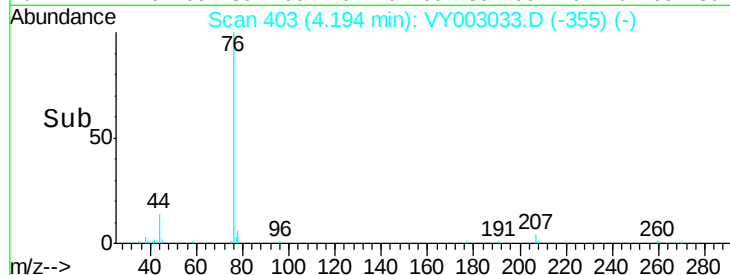
4000

2000

0

Time-->

4.10 4.20 4.30



#20

Methylene Chloride

Concen: 15.126 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Tgt Ion: 84 Resp: 76416

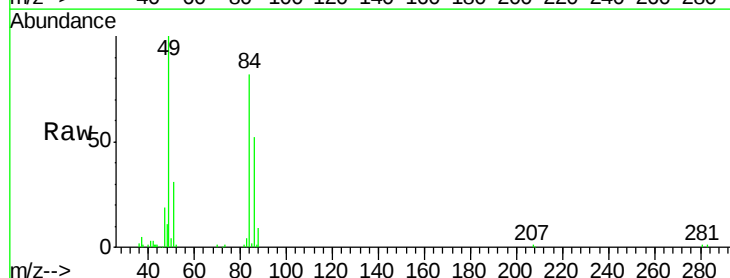
Ion Ratio Lower Upper

84 100

49 121.8 106.8 160.2

51 37.7 32.0 48.0

86 63.3 51.4 77.2



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

40000

30000

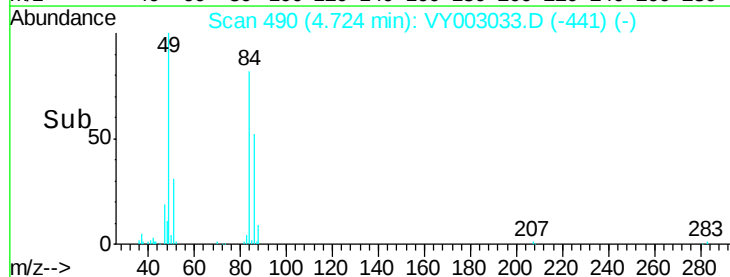
20000

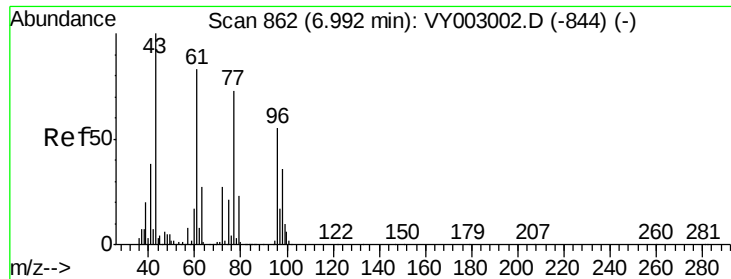
10000

0

Time-->

4.60 4.70 4.80





#25

2-Butanone

Concen: 7.855 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

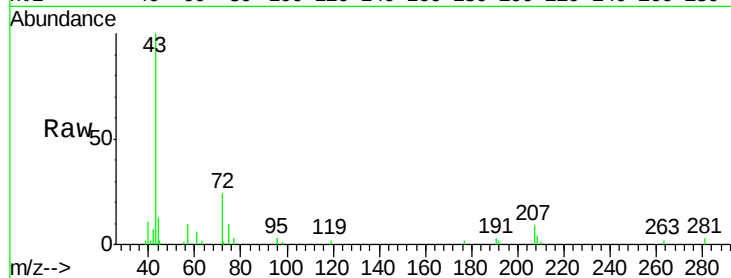
78-64RE

Tot Ion: 43 Resp: 10690

Ion Ratio Lower Upper

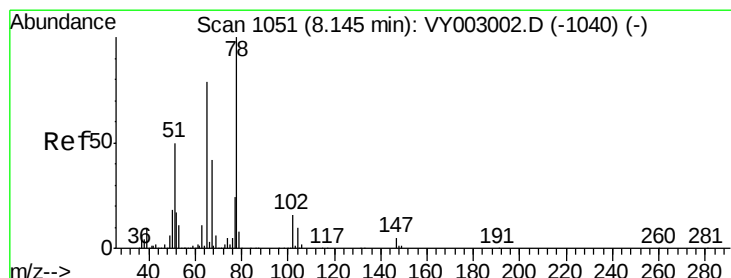
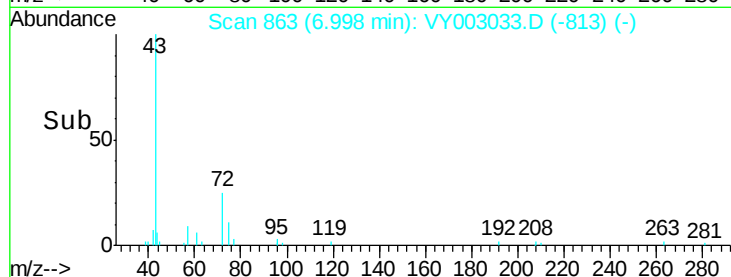
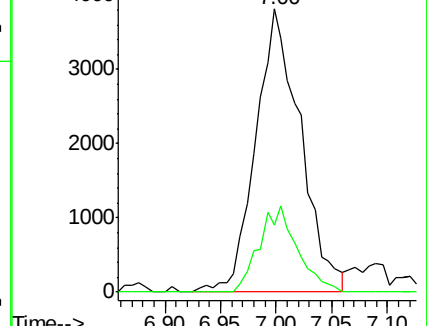
43 100

72 23.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 53.630 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003033.D

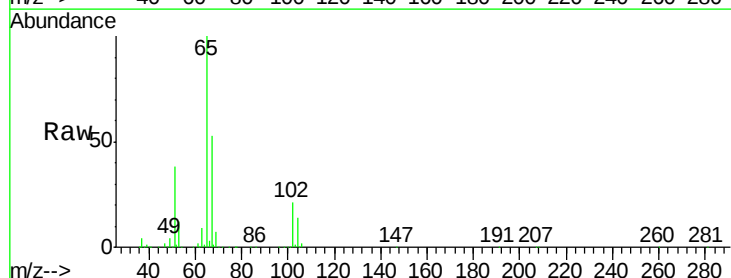
Acq: 30 Jun 2020 14:25

Tgt Ion: 65 Resp: 194814

Ion Ratio Lower Upper

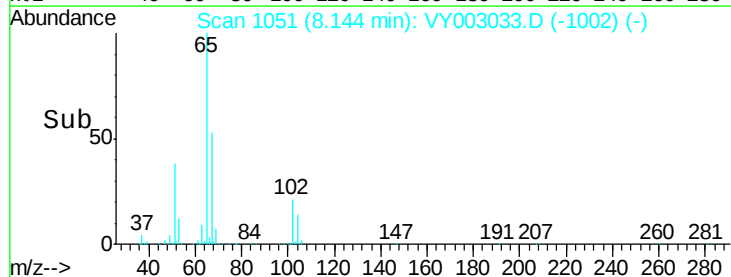
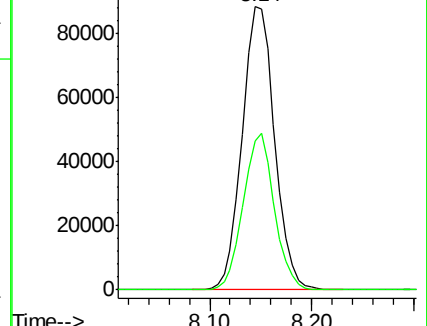
65 100

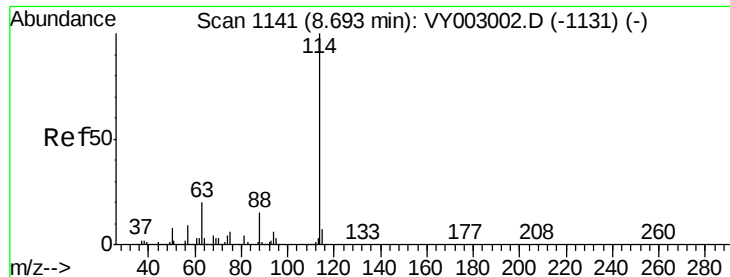
67 53.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

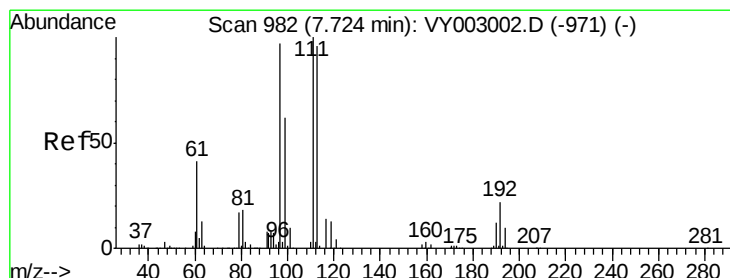
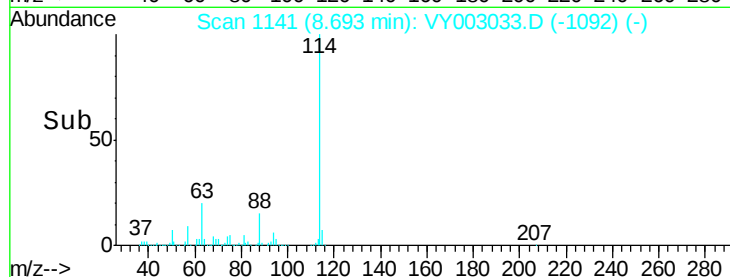
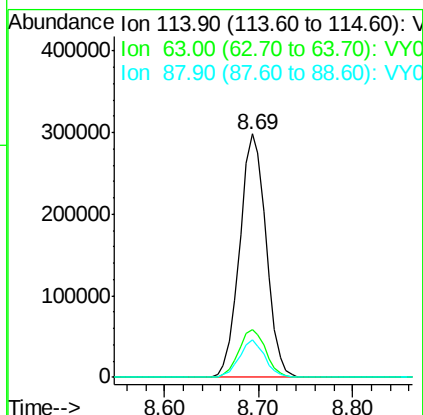
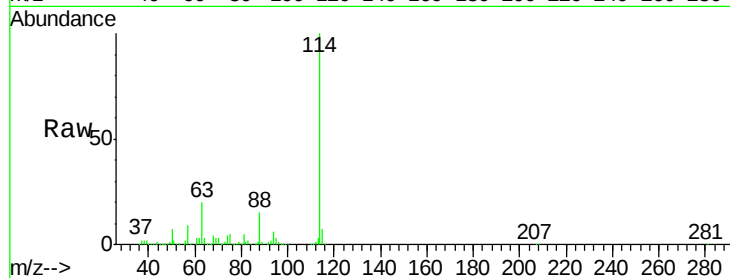




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003033.D
 Acq: 30 Jun 2020 14:25

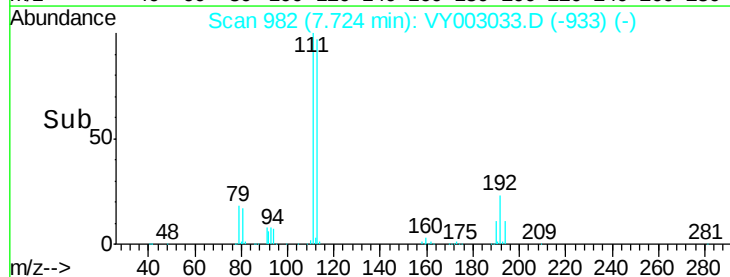
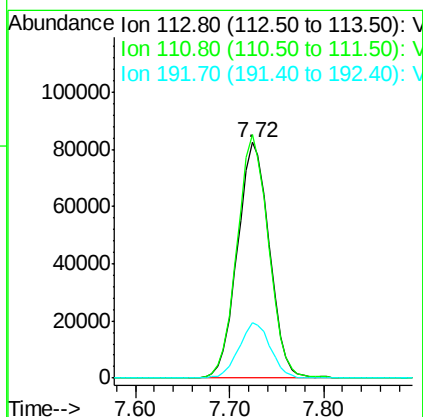
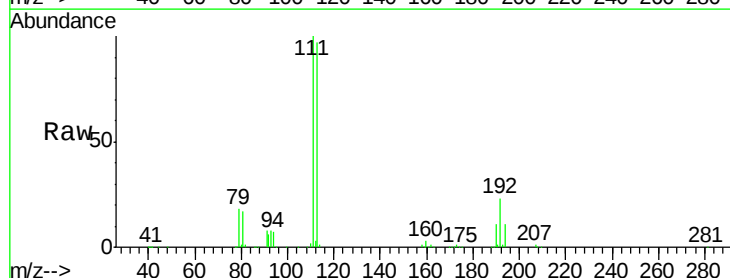
Instrument :
 MSVOA_Y
 ClientSampleId :
 78-64RE

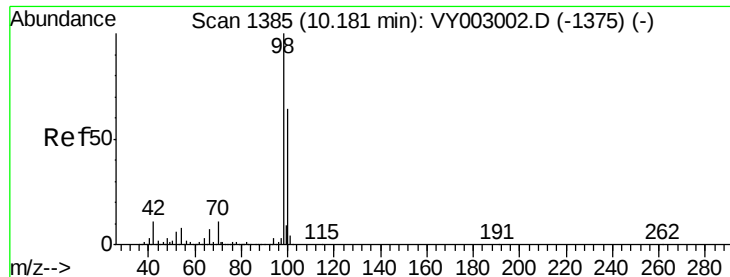
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.4	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 53.278 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003033.D
 Acq: 30 Jun 2020 14:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	23.1	18.1	27.1





#50

Toluene-d8

Concen: 50.105 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

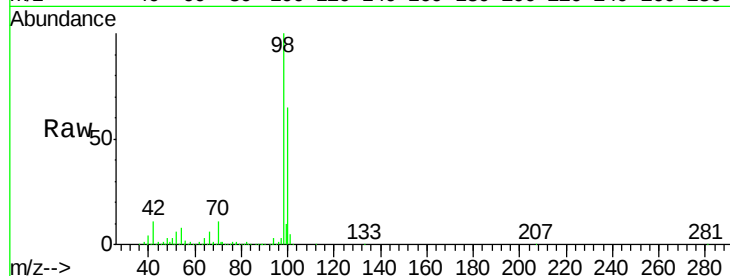
78-64RE

Tot Ion: 98 Resp: 679635

Ion Ratio Lower Upper

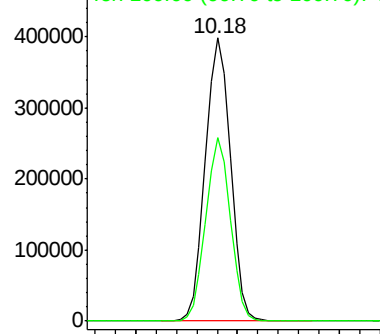
98 100

100 63.4 51.1 76.7

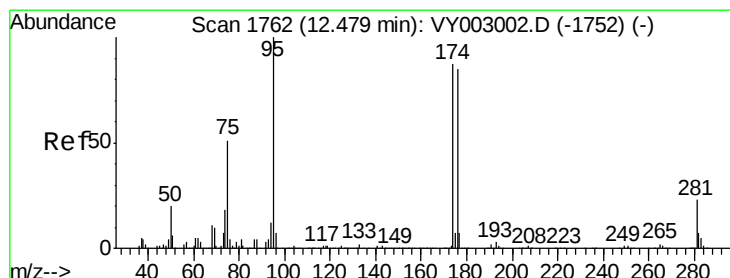
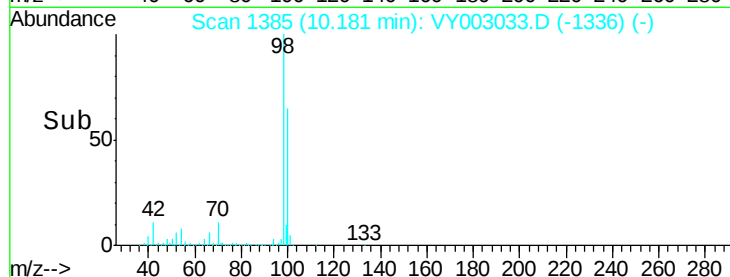


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 39.465 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

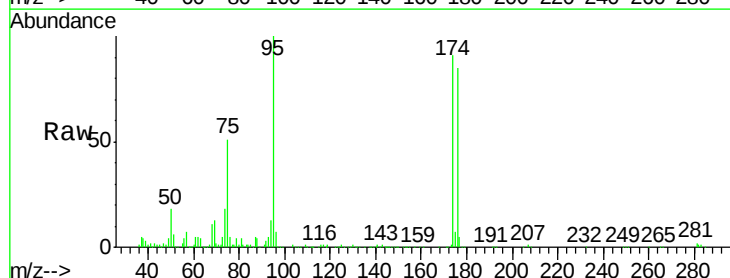
Tgt Ion: 95 Resp: 188430

Ion Ratio Lower Upper

95 100

174 92.9 0.0 184.8

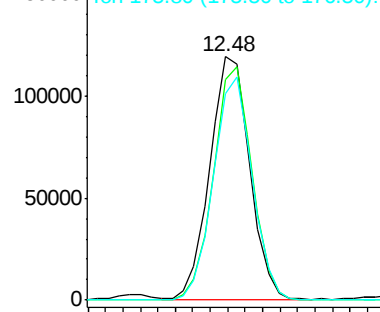
176 89.6 0.0 183.0



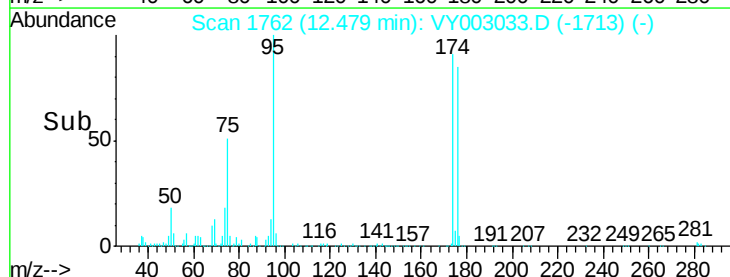
Abundance Ion 94.90 (94.60 to 95.60): VY0

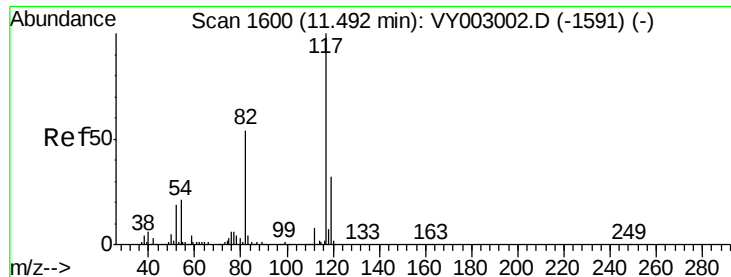
Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



Time-->

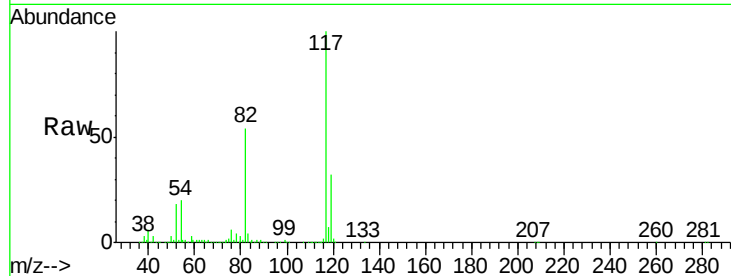




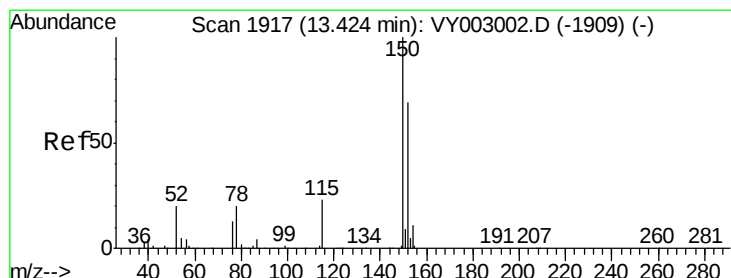
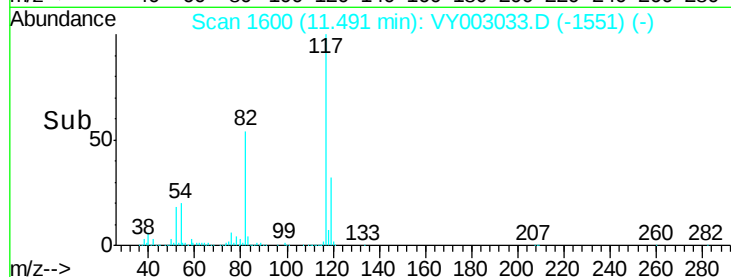
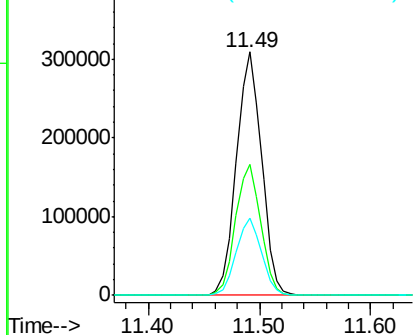
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003033.D
Acq: 30 Jun 2020 14:25

Instrument :
MSVOA_Y
ClientSampleId :
78-64RE

Tot Ion:117 Resp: 484500
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.6
119 32.0 25.8 38.8

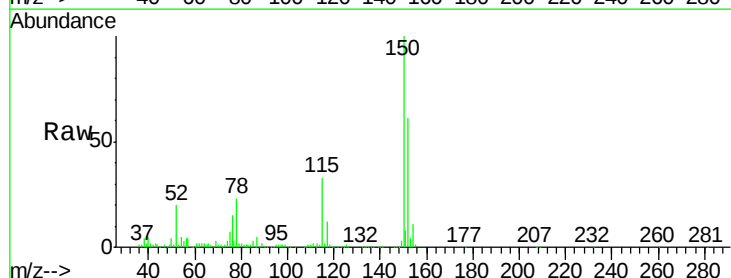


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

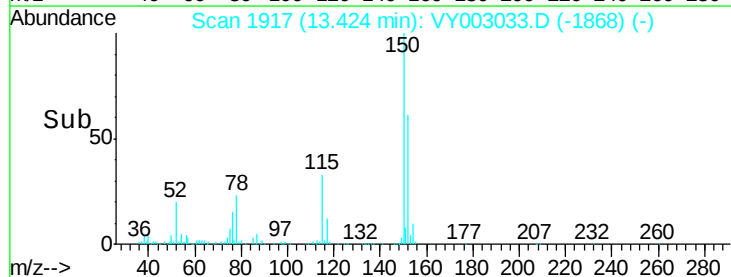
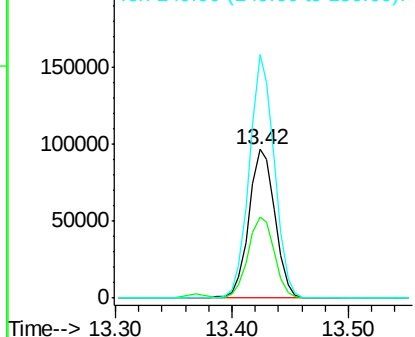


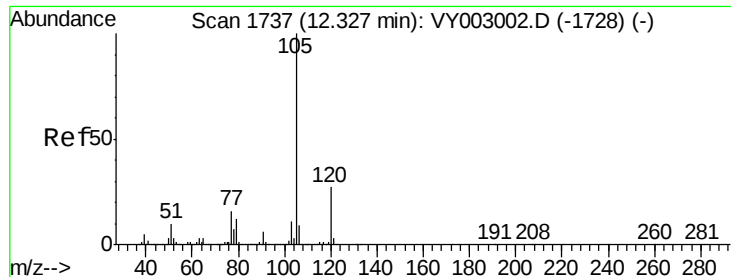
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003033.D
Acq: 30 Jun 2020 14:25

Tgt Ion:152 Resp: 151588
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 156.2 0.0 343.4



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





#73

Isopropylbenzene

Concen: 4.028 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

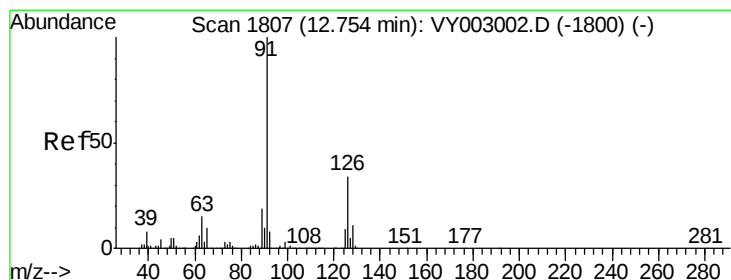
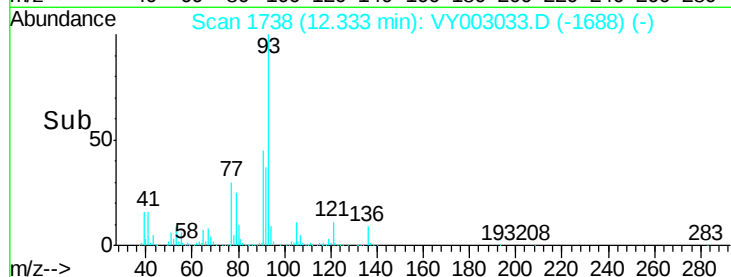
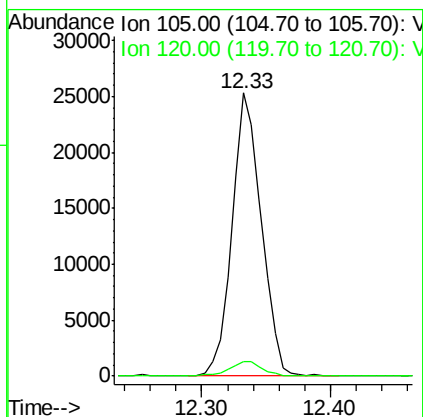
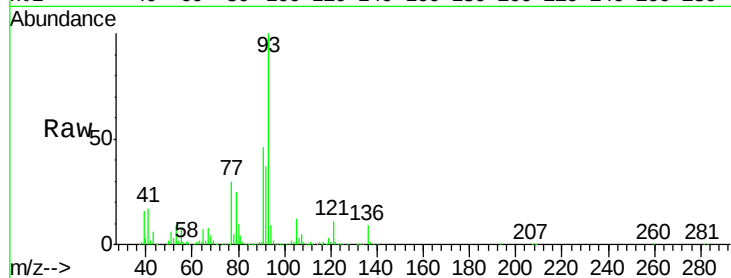
78-64RE

Tot Ion:105 Resp: 39965

Ion Ratio Lower Upper

105 100

120 5.9 13.4 40.1#



#79

2-Chlorotoluene

Concen: 4.812 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003033.D

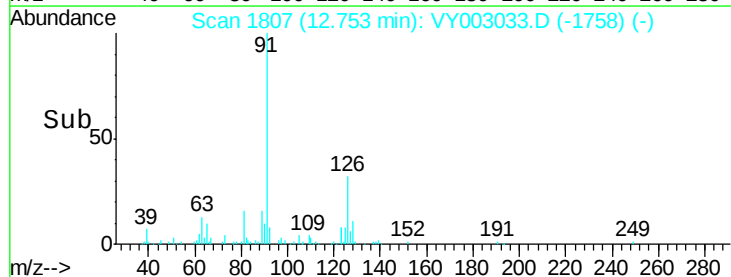
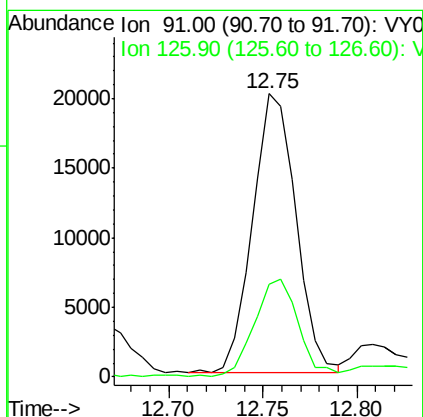
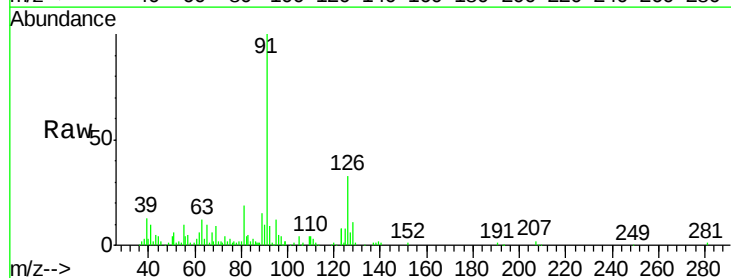
Acq: 30 Jun 2020 14:25

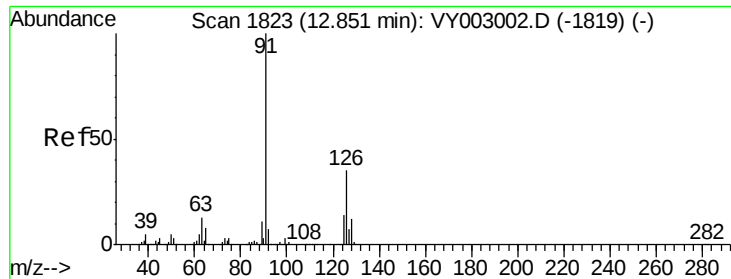
Tgt Ion: 91 Resp: 32049

Ion Ratio Lower Upper

91 100

126 35.3 17.1 51.3

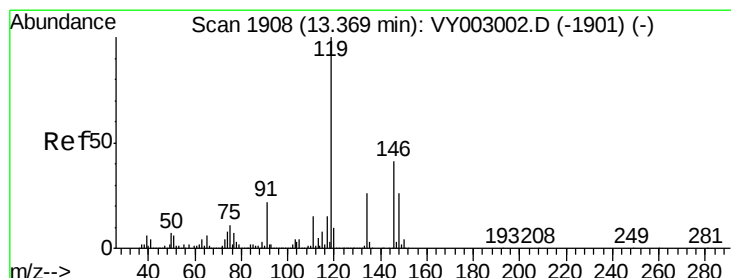
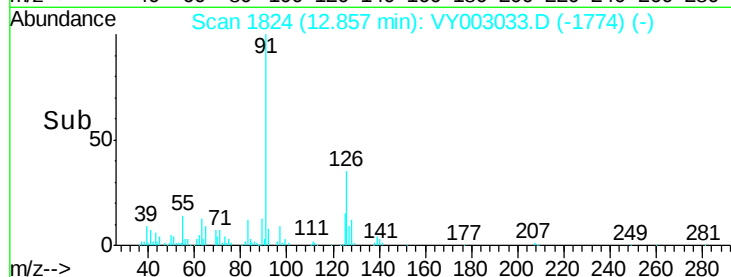
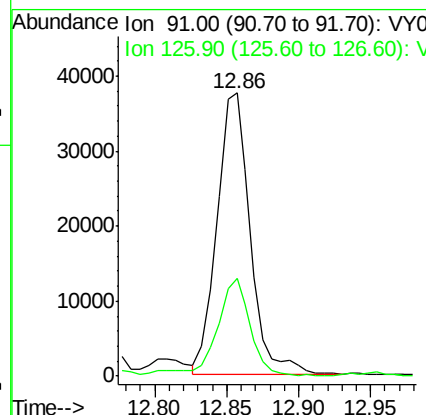
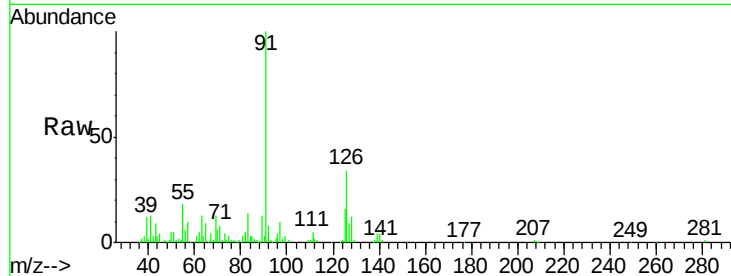




#82
4-Chlorotoluene
Concen: 8.671 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY003033.D
Acq: 30 Jun 2020 14:25

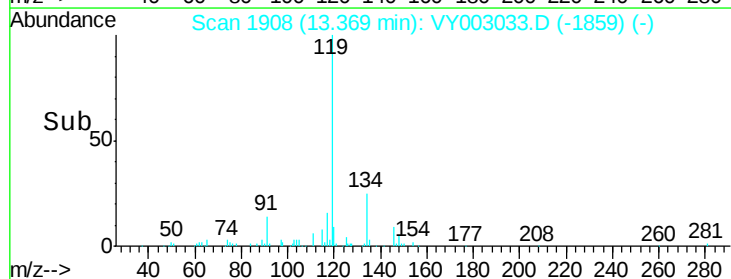
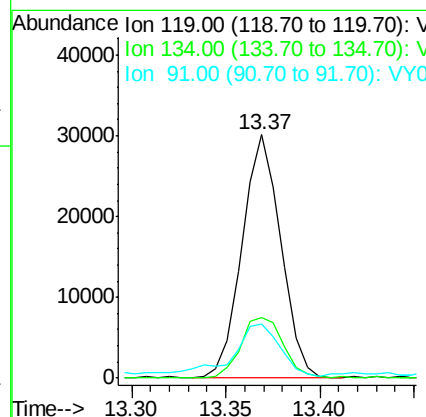
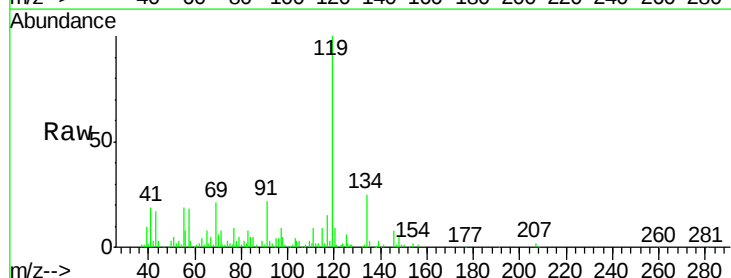
Instrument :
MSVOA_Y
ClientSampleId :
78-64RE

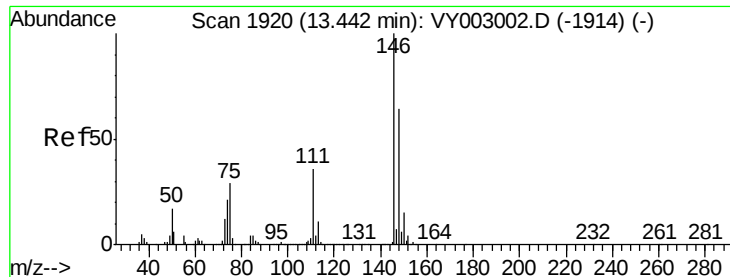
Tot Ion: 91 Resp: 60125
Ion Ratio Lower Upper
91 100
126 35.3 17.4 52.3



#86
p-Isopropyltoluene
Concen: 4.575 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003033.D
Acq: 30 Jun 2020 14:25

Tgt Ion: 119 Resp: 42713
Ion Ratio Lower Upper
119 100
134 27.9 13.5 40.4
91 27.6 11.5 34.5

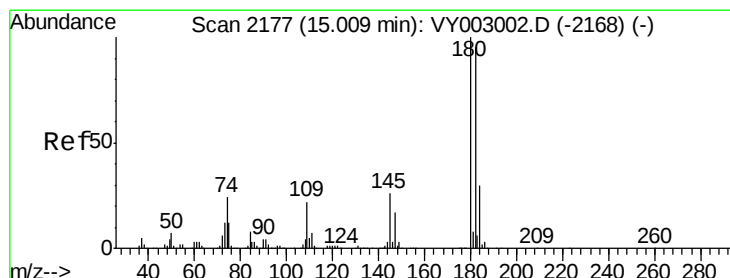
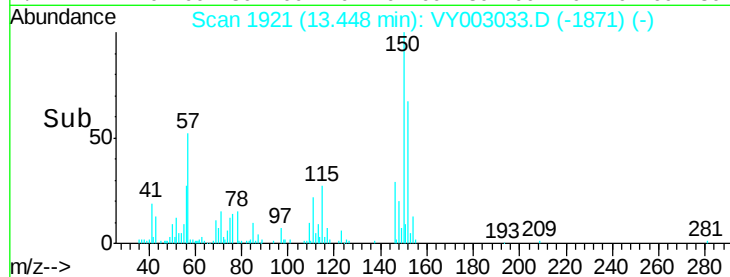
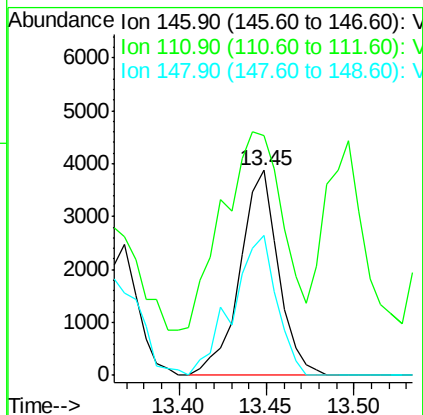
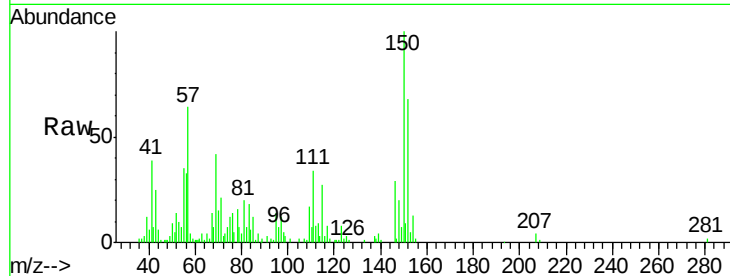




#88
 1,4-Dichlorobenzene
 Concen: 1.267 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY003033.D
 Acq: 30 Jun 2020 14:25

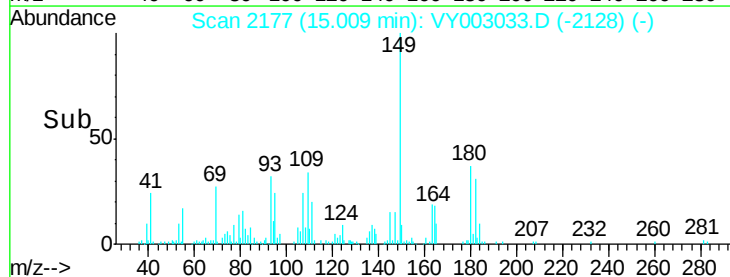
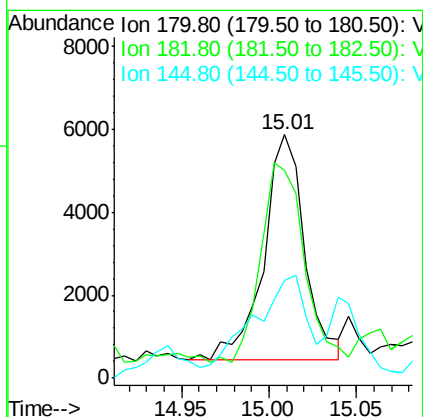
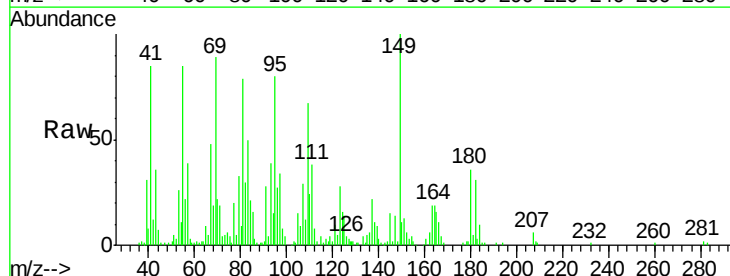
Instrument :
 MSVOA_Y
 ClientSampleId :
 78-64RE

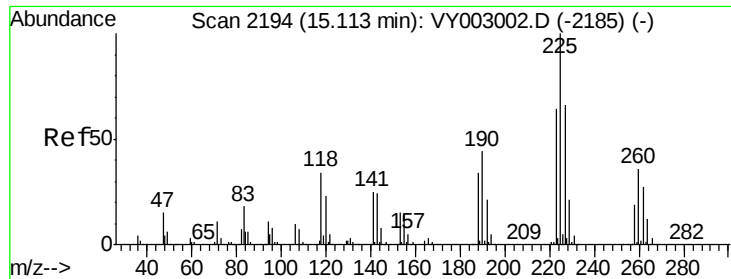
Tot Ion:146 Resp: 5931
 Ion Ratio Lower Upper
 146 100
 111 153.9 18.4 55.4#
 148 77.8 32.3 96.9



#93
 1,2,4-Trichlorobenzene
 Concen: 2.799 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003033.D
 Acq: 30 Jun 2020 14:25

Tgt Ion:180 Resp: 8861
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.1 144.3
 145 59.6 13.9 41.6#





#94

Hexachlorobutadiene

Concen: 1.271 ug/l

RT: 15.12 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

78-64RE

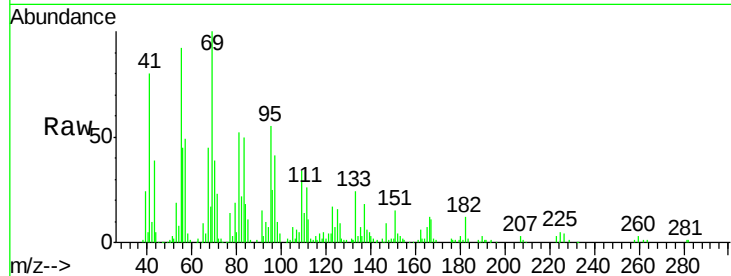
Tot Ion:225 Resp: 2538

Ion Ratio Lower Upper

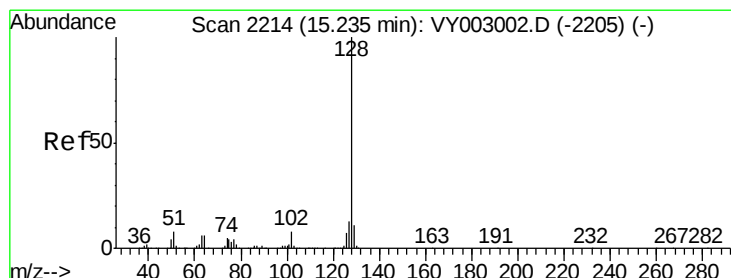
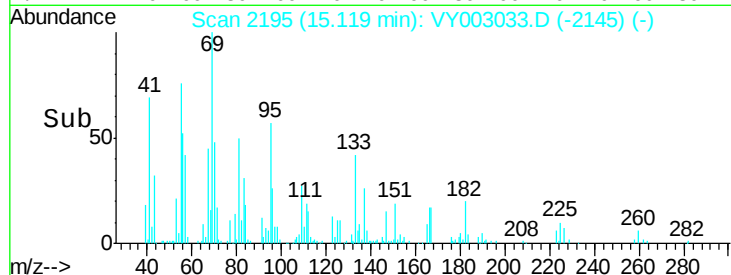
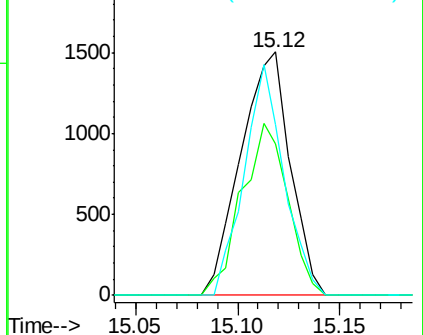
225 100

223 65.4 32.4 97.0

227 76.2 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.369 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY003033.D

Acq: 30 Jun 2020 14:25

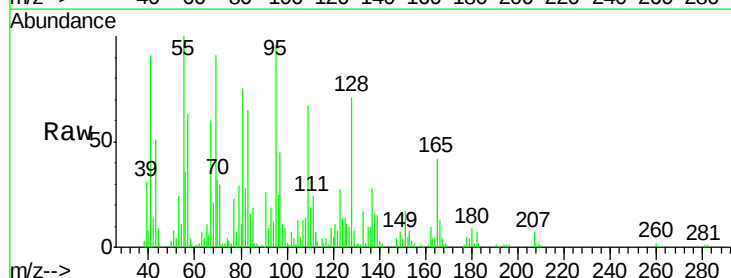
Tgt Ion:128 Resp: 19482

Ion Ratio Lower Upper

128 100

127 20.7 10.8 16.2#

129 11.3 8.8 13.2



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

